

**Appendix 5.14A
Draft Phase 1
Environmental Site Assessment**

**PHASE I ENVIRONMENTAL
SITE ASSESSMENT**

**REDONDO BEACH
ELECTRICAL POWER PLANT
1100 NORTH HARBOR DRIVE
REDONDO BEACH, CA**



**AES NORTH AMERICA DEVELOPMENT, LLC
690 NORTH STUDEBAKER ROAD
LONG BEACH, CA
EMS514**

FEBRUARY 2012

TECHNICAL REPORT

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**REDONDO BEACH
ELECTRICAL POWER PLANT
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REDONDO BEACH, CA**

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ENVIRONMENTAL MANAGEMENT STRATEGIES, INC.

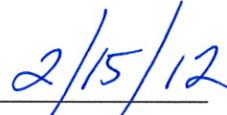
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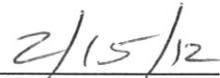
CERTIFICATION

All engineering and geologic information, conclusions, and recommendations in this document were prepared under the supervision of and reviewed by an Environmental Management Strategies, Inc. Professional Geologist in the State of California. Further and to the best of our professional knowledge and belief, the work was performed by professionals who meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312 and these professionals have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. EMS professionals have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



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1 Executive Summary

Environmental Management Strategies, Inc. (EMS) is pleased to present this Phase I Environmental Site Assessment (Phase I ESA) for the AES Redondo Beach electrical power plant located at 1100 North Harbor Drive, in the City of Redondo Beach, Los Angeles County, California 90277 (the “site”, see Figures 1 and 2). AES Southland, LLC (AES) retained EMS on October 24, 2011 to perform the Phase I ESA in support of AES’ application to the California Energy Commission (CEC) for upgrades to the current facility. Our investigation conforms to the U.S. Environmental Protection Agency’s (EPA) Standards and Practices for All Appropriate Inquiries (AAI, 40 CFR Part 312) as well as ASTM International’s (ASTM) Standard E 1527-05 entitled “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process”.

1.1 Background

The site is currently occupied by an AES electrical power plant formerly operated by Southern California Edison (SCE). The AES Redondo Beach facility is a natural gas fueled electrical power plant operated by AES since 1998. SCE previously operated the plant using both natural gas and fuel oil until 1989 when fuel oil was permanently retired as a fuel source.

1.2 Scope of Work

EMS performed the following scope of work in support of developing this Phase I ESA:

- EMS performed a detailed investigation into the historical use of the site. Our historical investigation entailed the review of reasonably ascertainable documents from standard sources from the late 1800’s to the present.
- EMS reviewed previous reports documenting environmental conditions at the site.
- EMS conducted a review of reasonably ascertainable regulatory agency information regarding hazardous material use, disposal, and contaminated property information for the site and surrounding area. This review included a search for environmental liens as well as activity and use limitations (AULs) on the site.
- EMS contacted the following public agencies and utilities for additional information for the site: the EPA; the State of California Department of Toxic Substances Control (DTSC); the California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR); the State of California Water Resources Control Board (SWRCB); the Los Angeles Regional Water Quality Control Board (RWQCB); the South Coast Air Quality Management District (AQMD); and, the Los Angeles Fire Department (LAFD).
- EMS was supplied with an ASTM E 1527-05 User Questionnaire completed by Mr. Stephen O’Kane, Director, Permitting and Regulatory Approvals with AES.
- EMS performed an inspection of the site on November 18, 2011.

- EMS interviewed the following AES personnel regarding site conditions: Mr. Steven Maghy, Environmental Manager with AES; and Ms. Corrie Environmental Associate with AES.
- EMS interviewed Mr. Randall Weidner, Environmental Project Manager with SCE, and Mr. Patrick Hamilton, SCE's consultant.

1.3 Results of Investigation

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the AES Redondo Beach electrical power plant located at 1100 North Harbor Drive, in the City of Redondo Beach, Los Angeles County, California. Any exception to, or deletions from, this practice are described in Section 3 of this report. This assessment has revealed no evidence of *Recognized Environmental Conditions*, *Historical Recognized Environmental Conditions* or *De Minimis Conditions* in connection with the site with the following exceptions:

- EMS' review of historical sources revealed that the layout for the power generating station changed sometime between 1938 and 1947. The original layout consisted of the power generating station and associated ASTs located on the northern and western portion of the site, respectively. Prior to 1947, the original ASTs on the western portion of the site and generating station on the northern portion were replaced. By 1947 two large ASTs are present on the eastern portion of the site and the original power generating station has been replaced by a new station on the southwestern portion of the site. Three large ASTs are added by 1976 and the power generating facility is significantly expanded by this time. These five ASTs have since been removed and subsurface investigations have been performed at these locations. EMS is unaware of any investigations of the original ASTs and other facilities. The former ASTs and other original facilities on the western portion of the site represent a *Recognized Environmental Condition* in connection with the site.
- The site was previously fueled by petroleum fuel oil. ASTs previously associated with the site are known to have impacted shallow soil with petroleum hydrocarbons. These ASTs are no longer present at the site; however, above-ground and underground fuel oil pipelines remain on the site. EMS is unaware of specific investigations of these pipelines. The presence of these pipelines represents a *Recognized Environmental Condition* in connection with the site.
- Groundwater underlying the site is known to be impacted by metals, dioxins, sulfide, VOCs, hydrazine and 1,4-dioxane. Groundwater is monitored as part of on-going subsurface investigations regarding former SCE operations at the site including former operation of waste-water retention basins. These investigations are currently conducted by AES and are overseen by the DTSC. The presence of groundwater contamination represents a *Recognized Environmental Condition* in connection with the site.
- Several spills have been noted at the site. Most documented spills involved petroleum products and were immediately addressed and observed and/or reported to local agencies.

Most of these spills appear to represent *De Minimis Conditions* in connection with the site. Known or suspected contamination was noted by a previous Phase I ESA at the following facilities: displacement oil tank; oil/gas separator; valve pit/oily waste sump at Units 7 and 8; primary fuel oil pumping area; and the fuel oil pipe line on the north side of the central retention basin. Staining was also previously noted in the powerblock areas and associated with fuel-oil handling equipment. Although the site is currently powered by natural gas, it is reasonable to assume that historical operations have resulted in spills of fuel oil in various areas of the site. Even if cleanup was performed at the time of the spill, it is reasonable to assume that residual contamination exists and may not be revealed until equipment is decommissioned and removed. The former extensive use of petroleum products represents a *Recognized Environmental Condition* in connection with the site.

- Transformers are currently reported to use non-PCB containing mineral oil; however, PCB containing oil was used in the past. Annual document logs for the years 2009 and 2010 identify annual volumes of PCBs containing waste transformer oil disposed. The former use of PCB containing transformer oil represents a *Recognized Environmental Condition* in connection with the site.
- One UST is currently present at the site to store ammonia. The UST is a 20,000-gallon, double-walled UST and includes a monitoring system. Based on this information, this UST does not appear to pose an environmental concern to the site. Three former USTs previously located northeast of the administration office were reported by a previous Phase I ESA. Elevated levels of hydrocarbons were found at depths between 11 and 16 feet bgs. The elevated levels did not appear to be from light petroleum gasoline, naphtha, or kerosene but rather diesel fuel or some other heavier petroleum product. EMS uncovered no “closure letter” or other regulatory records for these USTs. Based on this information, these three former USTs represent a *Recognized Environmental Condition* in connection with the site.
- EDR’s UST and HIST UST listings identified numerous environmental records for USTs, representing possibly as many as 30 individual USTs on the site. UST contents were reported to be product or waste. Installation dates ranged from 1947 to 1984. Some records may be duplicate records or refer to waste contained in below-grade oil/water separators and/or clarifiers; however, a total of 16 records identified the USTs as containing product. The large number of additional records from USTs at the site without removal and closure documentation represents a *Recognized Environmental Condition* in connection with the site.
- There were no instances of off-site sources of groundwater contamination that are currently likely to have impacted the site based on available regulatory information and recent groundwater flow; however, the site is located in an area documented to have had commercial and industrial activities dating back several decades. The possibility exists that nearby historical activities and previous groundwater flow directions could have caused off-site migration onto the site in the past. In addition, groundwater level and flow direction are reportedly controlled by on-site dewatering wells installed to maintain

groundwater levels below the retention basins. The operation of groundwater extraction wells will tend to draw groundwater onto the site for off-site areas. Potential groundwater contamination on adjacent properties represents a *Recognized Environmental Condition* in connection with the site.

Although not considered *Recognized Environmental Conditions* as defined by the EPA AAI rule and ASTM E 1527-05, EMS also noted the following potential environmental concerns and issues:

- The site buildings were constructed prior to 1980; therefore, asbestos-containing building materials and lead based paint may be present on-site.
- The presence of VOCs in soil and groundwater underlying the site represents a potential vapor intrusion issue in connection with occupied buildings on the site.

2 Introduction

Environmental Management Strategies, Inc. (EMS) is pleased to present this Phase I Environmental Site Assessment (Phase I ESA) for the AES Redondo Beach electrical power plant located at 1100 North Harbor Drive, in the City of Redondo Beach, Los Angeles County, California 90277 (the “site”, see Figures 1 and 2).

2.1 Purpose

AES Southland, LLC (AES) retained EMS on October 24, 2011 to perform the Phase I ESA in support of AES’ application to the California Energy Commission (CEC) for upgrades to the current facility. The purpose of this Phase I ESA is to identify *Recognized Environmental Conditions* as defined by the U.S. Environmental Protection Agency’s (EPA) Standards and Practices for All Appropriate Inquiries (AAI, 40 CFR Part 312) as well as the American Society for Testing and Materials (ASTM) Standard E 1527-05 entitled “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process”. The ASTM standard defines *Recognized Environmental Condition* as follows: “The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *De Minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *De Minimis* are not *Recognized Environmental Conditions*.”

The EPA’s AAI and ASTM E 1527-05 practices are intended to permit the *User*, AES, to satisfy one of the requirements to qualify for the *Innocent Landowner, Contiguous Property Owner, or Bona Fide Prospective Purchaser* limitations on Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability (also known as “*Landowner Liability Protections*”). Additional requirements include, but are not limited to, complying with activity and use limitations (AULs), taking reasonable steps to prevent releases, complying with legally required release reporting obligations, etc.

In addition to *Recognized Environmental Conditions*, this Phase I ESA also reports on *Historical Recognized Environmental Conditions*, *De Minimis Conditions* and other potential environmental concerns and issues (also known as *Business Environmental Risks*) such as Vapor Encroachment Conditions (VECs), asbestos-containing materials (ACM), polychlorinated biphenyl (PCB) containing electrical equipment, lead-based paint, radon, etc.

2.1.1 Special Terms and Conditions

Our investigation conforms to the EPA’s AAI rule and ASTM E 1527-05. This report was prepared by EMS solely for the use and benefit of AES, and any entity affiliated with or advised by AES. No other parties shall have any right to rely on this document. The use of this report is expressly controlled by the terms and conditions in the contract between AES and EMS.

2.1.2 Methodology

Mr. Anthony F. Severini, Mr. Mark I. Jirgal, Ms. Joyce Marino and Mr. Ashley Flores of EMS performed the Phase I ESA. Mr. Severini and Mr. Jirgal are both State of California registered Professional Geologists each with over three years of relevant, full-time experience performing Phase I ESAs within several states throughout the United States. Ms. Marino and Mr. Flores hold Bachelor of Science degrees in Geology and Environmental Science, respectively, and have over five years of relevant, full-time experience performing 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 and we have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the site. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Mr. Severini's, Mr. Jirgal's, Ms. Marino's and Mr. Flores' detailed qualifications are presented in Appendix A. EMS performed the following scope of work in support of developing this Phase I ESA:

- EMS performed a detailed investigation into the historical use of the site. Our historical investigation entailed the review of reasonably ascertainable documents from standard sources from the late 1800's to the present.
- EMS reviewed previous reports documenting environmental conditions at the site.
- EMS conducted a review of reasonably ascertainable regulatory agency information regarding hazardous material use, disposal, and contaminated property information for the site and surrounding area. This review included a search for environmental liens as well as activity and use limitations (AULs) on the site.
- EMS contacted the following public agencies and utilities for additional information for the site: the EPA; the State of California Department of Toxic Substances Control (DTSC); the California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR); the State of California Water Resources Control Board (SWRCB); the Los Angeles Regional Water Quality Control Board (RWQCB); the South Coast Air Quality Management District (AQMD); and, the Los Angeles Fire Department (LAFD).
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- EMS performed an inspection of the site on November 18, 2011.
- EMS interviewed the following AES personnel regarding site conditions: Mr. Steven Maghy, Environmental Manager with AES; and Ms. Corrie Environmental Associate with AES.

- EMS interviewed Mr. Randall Weidner, Environmental Project Manager with SCE, and Mr. Patrick Hamilton, SCE's consultant.

2.2 Site Description

The site currently consists of seven parcels of land totaling approximately 50.9 acres. The site is currently occupied by an AES electrical power plant formerly operated by Southern California Edison (SCE). The AES Redondo Beach facility is a natural gas fueled electrical power plant operated by AES since 1998.

2.2.1 Site Location

The site is located at 1100 North Harbor Drive, in the City of Redondo Beach, Los Angeles County, California 90277. The parcel numbers for the site are 7503-003-803, 7503-013-014, 7503-013-015, 7503-013-819, 7503-013-820, 7503-013-821 and 7503-013-822.

2.2.2 Site and Vicinity Characteristics

The site is located in a mixed commercial/industrial, recreational and residential area within the City of Redondo Beach. The site is bordered to the north by multi-family residences, the south by the Best Western Sunrise hotel, to the west by a number of commercial properties and to the east by a U.S. Post office and some commercial properties.

2.2.3 Description of Structures, Roads and other Improvements

The site currently consists of a natural gas fueled power plant operating eight electrical power generating units. Each unit is comprised of a boiler, turbine and other support facilities. The site includes underground fuel-oil pipelines, former above-ground storage tanks and wastewater retention basins once operated by SCE. Subsurface investigations regarding former SCE operations are on-going at the site.

2.2.4 Information Reported by Property Engineers

Ms. Corrie Chitlik, Environmental Associate with AES, escorted EMS throughout the site and provided an overview of site operations and policies. Pertinent information provided by Ms. Chitlik is included in Section 2.4.

2.2.5 Current Uses of the Property

The site is currently occupied by an AES electrical power plant formerly operated by Southern California Edison (SCE). The AES Redondo Beach facility is a natural gas fueled electrical power plant operated by AES since 1998. The site currently consists of seven parcels of land totaling approximately 50.9 acres.

2.2.6 Past Uses of the Property

Based on information reviewed by EMS during the performance of this Phase I ESA, a lake identified as Salt Lake has a residential structure to the west and a commercial business to the east in 1904. After 1904 the site appears to be used for energy production and commercial purposes with the lake replaced by aboveground tanks sometime before 1947.

2.2.7 Past and Current Uses of Adjoining Properties

Based on information reviewed by EMS during the performance of this Phase I ESA, the site vicinity has been used for industrial, commercial and residential purposes.

2.3 Records Review

EMS conducted a review of reasonably ascertainable and practically reviewable public information for the site and surrounding area. The information was supplied to EMS both by an outside contractor specializing in compiling such information and by direct contacts made by EMS.

2.3.1 Standard Environmental Records Sources: Federal, State, Tribal and Local

EMS retained Environmental Data Resources, Inc. (EDR) to perform a search of reasonably ascertainable information from databases for facilities with environmental records within the site vicinity. The information sources utilized by EDR included publicly available databases compiled by federal, state, tribal and local governmental agencies and proprietary databases available through EDR. The EDR report was designed to assist parties seeking to meet the search requirements of the EPA's AAI rule and ASTM E 1527-05. The databases searched provide information on facilities with records including, but not limited to, the following potential environmental concerns: Resource Conservation and Recovery Act Small and Large Quantity Hazardous Waste Generators (RCRA-SQGs and RCRA-LQGs); the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS); registered above-ground storage tanks (ASTs); registered underground storage tanks (USTs); historical USTs (HIST USTs); leaking USTs (LUSTs); non-tank spills of hazardous materials; active and inactive landfills; and facilities engaged in the investigation and cleanup of known releases of hazardous materials. In general, the EPA's AAI rule and ASTM E 1527-05 require a larger search radius for databases with information of greater environmental concern (such as LUSTs, landfills and hazardous substance release facilities) than databases with information of lesser environmental concern (such as registered ASTs, USTs, RCRA-SQGs and RCRA-LQGs).

The EPA's AAI rule and ASTM E 1527-05 require the Phase I ESA to include searches for environmental cleanup liens as well as AULs including institutional and engineering controls, recorded under federal, state, tribal, or local laws. The AAI rule and ASTM E 1527-05 allows that either the prospective property owner or the environmental professional may conduct these searches.

EDR's regulatory agency database search included searches for liens and AULs from the following four EPA databases: Federal Superfund Liens (NPL LIENS); CERCLA Lien Information (LIEN2); Engineering Controls Sites (US ENG CONTROLS); and Sites with Institutional Controls (US INST CONTROLS). EDR's regulatory agency database search also included a search of the DTSC's Deed Restriction Listing (DEED) and Lien Holder (LIENS) databases. Specific information regarding the databases searched, corresponding search radii, and search results are presented in EDR's report entitled, *EDR Radius MapTM with GeoCheck[®]*, included in Appendix B.

EMS also retained EDR to perform an environmental lien search for the site. Due to the multiple parcel numbers for the site, and in order to reduce costs, the search was conducted for the site's

parcel number of 7503-013-819 and included a search for environmental liens and other AULs. The results of this lien search are presented in EDR's report entitled, *EDR Environmental LienSearch™ Report*, included in Appendix C. The *EDR Property Tax Map Report* is included in Appendix D.

The site address of 1100 North Harbor Drive was not identified on the NPL LIENS, LIEN2, US ENG CONTROLS, US INST CONTROLS, DEEDS or LIENS databases. EDR's environmental lien search found no environmental liens for the site's parcel number 7503-013-819. EDR's search identified an AUL for the site's parcel number 7503-013-819. The AUL is in reference to AES agreeing to take over all responsibilities from SCE for closure of the basins, groundwater monitoring and corrective action. The EDR report also indicates that title for the site is vested in AES Redondo Beach, LLC and was received from the Southern California Edison Company on May 15, 1998.

The site address was listed under various names including EPTC REDONDO (Edison Pipeline and Terminal Company), 1100 HARBOR DRIVE, SCE, REDONDO GENERAT, SOUTHERN CALIFORNIA, REDONDO BEACH G. S., AES - REDONDO BEACH, REDONDO GENERATING S, REDONDO PUMP STATION, and TRANSFORMER TECHNOLO. The site address was identified on the following databases indicating that a release to the environment had been reported (except air-pollution releases noted below) and/or an investigation of known soil or groundwater contamination had occurred or is ongoing:

- CHMIRS: California Hazardous Material Incident Report System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills);
- ERNS: Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances;
- SLIC: Spills, Leaks, Investigations and Cleanup. The SLIC program is designed to protect and restore water quality from spills, leaks, and similar discharges;
- RESPONSE: State Response Sites. 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;
- ENVIROSTOR: EnviroStor Database. The DTSC's ENVIROSTOR database identifies sites that have known contamination or sites for which there may be reasons to investigate further; and,
- TOXIC PITS: Toxic Pits Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

The site address was identified on the following database pertaining to air-pollution regulation compliance and releases to the atmosphere:

- EMI: Emissions Inventory Data. Toxics and criteria pollutant emissions data collected by the Air Resources Board (ARB) and local air pollution agencies.

The site address was also identified on the following databases pertaining to chemical handling, chemical storage, waste generation, and disposal activities:

- RCRA-SQG and RCRA-LQG databases;
- Various historical, known and registered UST databases;
- Registered AST database;
- HAZNET: Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC;
- WDS: Waste Discharge System. Sites which have been issued waste discharge requirements;
- NPDES: National Pollutant Discharge Elimination System Permits. A listing of NPDES permits, including storm water;
- HWP: EnviroStor Permitted Facilities Listing: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor;
- 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; and,
- Los Angeles Co. HMS: Street Number List. Industrial Waste and Underground Storage Tank Sites.

The site address was also identified on the following databases that summarize records from other databases, but do not provide detailed site information:

- FINDS: Facility Index System/Facility Registry System. FINDS contains both facility information and 'pointers' to other sources that contain more detail; and,
- 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).
- 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.

A detailed review and summary of all the records identified by EDR for the site is not within the scope of this investigation. Several environmental records were identified for USTs, representing possibly as many as 30 individual USTs and HIST USTs; however, these may also be duplicate records. Specific UST contents were not reported for these tanks, however most HIST USTs were identified to contain waste or product and installation dates ranging from 1947 to 1984. One AST record was identified showing a tank with a 3,700 gallon capacity. Although the contents were not reported, this AST likely contained fuel oil. Below is a summary of environmental records pertaining to releases to the environment, not including air emissions.

Three CHIMRS records were identified for the site. The first incident occurred during SCE operations on February 25, 1998 and involved the release of an unknown amount of fuel oil from one of the ASTs; samples in the basin around the tank did not reveal any additional release than the one reported. The second incident occurred on March 28, 2006 while during the demolition of one of the storage tanks an old supply line was cut releasing an unknown amount of fuel oil. The third CHIMRS record indicates there was a spill of oil from a generator being used in the production of a movie on February 9, 2010. It was reported the spilled oil traveled down the street and into a storm drain. The release was secured and the fire personnel on-site were satisfied with the clean-up.

Six ERNS records were identified for the site. Two records are duplicate reports of the CHIMRS records noted above. Three of the four remaining records appear to be duplicates of the same incident which occurred during SCE operation on May 24, 1991 and involved a gas meter fire/explosion which may have led to a release of mercury. The last ERNs record documented a release of lubricating oil in their circulating water system on November 11, 2009.

Two SLIC records were identified for the site. These records appear to pertain to the same SLIC case (case number 0710B). Additional information regarding the SLIC case is included in Sections 2.3.4 and 2.3.5.

The TOXIC PITs, ENVIROSTOR and RESPONSE records appear to pertain to ongoing investigation activities to close three wastewater retention basins that SCE had operated without a permit or other form of authorization from the DTSC. Additional information regarding these activities is included in Sections 2.3.4 and 2.3.5.

Numerous additional environmental records were identified for facilities in the surrounding area. Due to the distance and direction from the site, and the nature of the information present in the EDR report, most of these records do not appear to represent a potential environmental concern to the site. The following nearby facilities discussed below may represent a potential environmental concern to the site.

The ENVIROSTOR database listed six properties within 1-mile of the site. The Parisian Cleaners location appears to have been close enough to the site to pose an environmental concern; however, this location is down-gradient of the site and therefore does not pose an environmental concern to the site.

Eight LUST cases were identified within 0.5 mile of the site; however, the status of these LUST cases is “Completed – Case Closed” and do not appear to pose an environmental concern to the site.

Two RWQCB Site Cleanup SLIC cases were identified within 0.25 mile of the site for Triton Oil & Gas. The records identified by EDR correspond to one case which was “closed” in 1995. This SLIC case does not appear to pose an environmental concern to the site.

The U.S. Postal Service was listed on the UST, HIST UST and SWEEPS UST database within 0.25-mile of the site at the address of 1201 N. Catalina Avenue.

The EDR report also identifies “orphan” facilities that, due to poor or inadequate address information, could not be accurately mapped. Twenty-one such facilities were identified. Although a detailed review of these facilities is not within the scope of this report, a cursory review of these facilities indicates that most do not appear to pose a potential environmental concern to the site. One facility was identified as the US Postal Service, located at 1201 Catalina to the north-east of the site. This site was listed a LUST case with a status of “Completed – Case Closed” and does not appear to pose an environmental concern to the site.

The results of EMS’ review of Standard Environmental Records Sources revealed evidence of *Recognized Environmental Conditions* in connection with the site including documented chemical handling activities, hazardous waste generation and releases of chemicals to land. Some records pertain to on-going investigations of former SCE operations. In addition, numerous HIST USTs were identified for the site. Additional information regarding these issues is included in Sections 2.3.4 and 2.3.5.

2.3.2 Physical Setting Sources

The *EDR Radius MapTM* report provides a physical setting source addendum, *Geocheck[®]* (Appendix B). The site is located at an elevation of approximately 17-feet above mean sea level (msl). Local topography decreases in elevation to the west-southwest. No wetlands were identified within a 1/4-mile of the site on the National Wetland Inventory. The site is not located in a Federal Emergency Management Agency (FEMA) flood zone. The EDR report searched for site-specific hydrogeologic data within a 1.25-mile radius from the site. No site-specific hydrogeologic data was found for the site. EDR has also developed a groundwater information system, known as Aquiflow, which maintains groundwater depth and flow direction data from reports submitted by environmental professionals to regulatory agencies. No reports were identified within a one-mile radius of the site by the Aquiflow information system. The EDR report also searched for public water systems and water wells known to the United States Geological Survey (USGS) and water wells known to the State of California. No Federal USGS water wells were listed within one mile of the site. One public water supply system was identified 1/4- to 1/2-mile east-southeast of the site. The State Database Well Information did not identify any wells within one-mile of the site. The State Oil/Gas Well database identified numerous wells within one-mile from the site. The EDR report did not identify any earthquake fault line within one mile of the site.

EMS also reviewed the *Fourth Quarter 2009/Annual 2009 Groundwater Monitoring Report, Redondo Generating Station*, prepared by Essentia Management Services (Essentia). According

to this report, shallow groundwater is present at a depth of approximately 10 to 15 feet and flows to the southeast. Groundwater level and flow direction are controlled by on-site dewatering wells installed to maintain groundwater levels below the retention basins. Without the dewatering wells, groundwater levels would rise within the basins due to injection wells installed east of the site. Additional information regarding ongoing groundwater monitoring activities is included in Section 2.3.4.

With the exception of on-going monitoring activities on behalf of SCE, the results of EMS' review of Physical Setting Sources did not reveal any evidence of *Recognized Environmental Conditions* in connection with the site.

2.3.3 Historical Use Information

EMS conducted a review of reasonably ascertainable historical information from standard sources to determine the past land use of the site and surrounding area including the following: Sanborn[®] fire insurance maps; historical topographic maps; historical aerial photographs; historical city directories; and, historical building permits. The following paragraphs summarize our findings.

2.3.3.1 Sanborn[®] Fire Insurance Map Review

EMS retained EDR to perform a search for historical Sanborn[®] fire insurance maps for the site vicinity. Sanborn[®] maps were available for the years 1904, 1908, 1912, 1916, 1946 and 1959. The *Certified Sanborn[®] Map Report* is included in Appendix E.

The only structures appearing on the site in the 1904 Sanborn[®] map are a dwelling on the northwestern portion and the Montgomery Mullin Lumber Co. on the eastern portion as most of the site does not appear on this map. The 1908 Sanborn[®] map shows a power generating station operated by the Pacific Light and Power Corporation, two large aboveground storage tanks (AST), machine shop and pump house in the northwestern portion of the site near the area the dwelling once occupied. Salt Lake is also first identified on this map to the west of the lumber yard. The power station has been expanded and several oil and water ASTs have been constructed on the western portion of the site in the 1912 Sanborn[®] map. Lakeview Avenue is also present and running approximately through the middle of the site. A powerhouse appears to have been added to the power generating station in the 1916 Sanborn[®] map. By the time of the 1946 Sanborn[®] map the power generating station and all of the ASTs appear to have been removed with only some smaller buildings present in the southwestern portion of the site. In the 1959 Sanborn[®] map a new power generating station appears to have been constructed which is consistent with the current station once operated by Southern California Edison. Three large ASTs are also present on the eastern portion of the site along with several smaller ASTs and small buildings at various locations throughout the site.

2.3.3.2 Historical USGS Topographic Map Review

EMS retained EDR to provide historical topographic maps prepared by the USGS for the site vicinity. Historical topographic maps were available for the years 1896, 1901, 1924, 1934, 1948, 1951, 1953, 1972, 1981 and 1996. The *EDR Historical Topographic Map Report* is included in Appendix F.

A body of water identified as Salt Pond is present on the site in the 1896 topographic map. Grid street patterns for the city of Redondo Beach are identified to the south of the site in the 1896 and 1901 topographic maps. Two aboveground storage tanks and one building are identified on the site in the 1924 and 1934 topographic maps. By the time of the 1948 topographic map, two buildings are present and the aboveground tanks and Salt Pond are no longer visible on the site. The 1951 topographic map identifies two large aboveground oil tanks on the eastern portion of the property and numerous building on the western portion of the property. Two additional aboveground storage tanks are visible on the eastern portion of the property while the buildings on the western portion of the property have been replaced with what appears to be three large buildings in the 1963 topographic map. The 1972 topographic map indicates one additional aboveground tank was constructed in the southern portion of the site. One additional building appears on the 1981 and 1996 topographic maps in the southwestern portion of the site. The topographic maps also appear to show an increase in the population density of the surrounding area from 1924 to 1996.

2.3.3.3 Aerial Photograph Review

EMS reviewed historical aerial photographs obtained from EDR for the years, 1928, 1938, 1947, 1956, 1965, 1976, 1989, 1994 and 2005. The *EDR Aerial Photo Decade Package* report is included in Appendix G.

The 1928 and 1938 aerial photographs show the site as occupied by a power generating station, two aboveground storage tanks and what appears to be residential structures in the northwestern portion of the site. What is described as Salt Lake in the Sanborn[®] maps and what appears to be an airfield are visible on the eastern portion of the site. The surrounding area appears to consist of residential and commercial structures. Salt Lake is no longer visible in the 1947 aerial photograph and two large ASTs have been constructed in the area it once occupied. The residential structures are still visible in the northwestern portion of the property, but new buildings are visible along the western side of the site. In the 1956 aerial photograph two additional tanks have been constructed on the eastern portion of the site and what appears to be a new power generating station have been built on the western portion of the site. The residential dwellings in the northwestern portion of the site have been replaced by three large buildings and what appears to be a parking lot. There are also various new buildings throughout the site likely constructed in conjunction with the new power generating station. A power transfer station appears to the north of the four large ASTs and a new building has been constructed in the western portion of the site in the 1965 aerial photograph. The marina has also been constructed to the west of the site in this aerial photograph. A very large AST appears in the southern portion of the site in the 1976 aerial photograph. The 1989 aerial photograph shows what appear to be two ponds in the northern portion of the site. There is no change to the site in the 1994 aerial photograph. The most northern tank on the eastern portion of the property appears to have been removed sometime between the 1994 and 2005 aerial photograph. Additional satellite imagery available through Google Earth indicates that the four ASTs remaining on the site were removed sometime between March 2006 and April 2007.

2.3.3.4 City Directory Abstract

EMS retained EDR to provide a historical city directory search for the site and nearby properties. The city directories identify individuals and businesses by street address. EDR

obtained information from sources including city and telephone directories dating from 1920 to 2006. The *EDR City Directory Abstract* is included in Appendix H.

The site address of 1100 North Harbor Drive was listed on the Pacific Telephone directory in 1964 as SOUTHERN CALIFORNIA EDISON CO REDONDO STEAM STN and on the Hanes & Company Inc. directory in 2001 as AESREOONDO. One dry cleaner identified as the HERMOSA CLEANERS & ALTERATION was listed at the address of 170 Hermosa Avenue to the northeast of the site in the 1970 Pacific Telephone directory.

2.3.3.5 Building Permit Report

EMS retained EDR to provide a building permit report for the site and adjacent properties. No building permits were provided by EDR. According to EDR they do not have access to building permits for the city of Redondo Beach. The *EDR Building Permit Report* is included in Appendix I.

2.3.4 Previous Environmental Reports

EMS visited the site on November 18, 2011. Ms. Chitlik provided EMS with access to hardcopy and electronic files of reports documenting various environmental issues for the facility. Due to time and budget and constraints, EMS could not review all of the documents available and chose to review those reports and documents EMS believed would provide the most information in a reasonable time frame. Reports reviewed for information used in this Phase I ESA are included in Section 5. Other reports documenting environmental investigation activities at the site that came to the attention of EMS, but were not available for review, are listed in Section 5.1.

EMS reviewed the AES Redondo Beach LLC Environmental Management System Manual (EMSM) dated September 2011. The EMSM lists the following regulatory permits, authorizations and approvals for the facility: AQMD Title V Permit 115536; RWQCB NPDES Permit CA0001201; Redondo Beach Fire Department Permit 1172; Certified Unified program Agency (CUPA) Permits AR0038686 and AR0013234; and EPA Hazardous Waste Generator ID CAR000038893. The EMSM also lists the following legally required plans: Spill Prevention Control and Countermeasures (SPCC), Storm Water Pollution Prevention Plan (SWPPP), Risk Management Plan (RMP), Hazardous Materials Business Plan (HMBP), Hazardous Waste Contingency Plan (HWCP), Laboratory Certification, Water Quality Assurance/Quality Control (QA/QC) and Continuous Emissions Monitoring System (CEMS) QA/QC.

EMS was provided with monthly hazardous waste reports for the calendar year 2010. The following wastes were generated at the site: Waste Oxidizing Solids; Asbestos-containing Waste; Non-RCRA Hazardous Waste Solids; Non-RCRA Hazardous Waste Liquids; Hazardous Waste Liquids; Waste Chlorite Solution; Hazardous Waste Solids; and, RQ Hazardous Waste Mercury. The reports also listed the manifest number, the quantity, the transporter and final disposal facility for each material.

The AES Redondo Beach plant provided to EMS the Annual Document Log January 1, 2010 through December 31, 2010 for the 19 on-site facility transformers itemizing the weight in kilograms of PCBs in each transformer and the percentage of PCB in parts per million (ppm) for each transformer. The presence of PCBs in the transformers ranged from a minimum of 5.4 ppm

in transformer B529257 to a maximum of 313 ppm in transformer 135323.

EMS was provided with a previous Phase I ESA conducted by CH2M Hill during 1997. CH2M Hill's Phase I ESA executive summary is presented in its entirety below:

“CH2M HILL has performed a Phase 1 Environmental Site Assessment at the Redondo Generating Station (RGS) property located at 1100 harbor Drive, Redondo Beach, California in substantial conformance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E1527 and the limitations described in Section 1 of this report. This assessment has revealed the following results in connection with the property. No other recognized environmental conditions or areas of potential environmental concern were identified as a result of the Phase 1 ESA efforts.”

Displacement Oil Tank

“The displacement oil area located at the north east corner of the RGS was reported to have been the subject of remediation of a spill that occurred from a past leak in the displacement oil tank. The contaminated soil and a small quantity of groundwater was remediated, however, the report indicates that oil was observed to be seeping within the remedial excavation from several locations around the tank's perimeter just above the groundwater level. The report suggested that oil contamination may still exist below the displacement oil tank. This reported contamination at the displacement oil tank area is identified as a recognized environmental condition.”

Retention Basin

“Subsurface investigation of surface impoundments, including retention basins, is currently being conducted by Edison in response to a corporate-wide negotiated order from DTSC. The investigation will include soil chemistry and groundwater sampling at the retention basins. Past use of the retention basins warranted the on-going investigation, and because of the potential for subsurface contamination, the retention basins at the RGS are identified as an area of potential concern.”

Former Underground Storage Tanks

“A report on subsurface investigations performed at the former location of three underground storage tanks (USTS) located northeast of the administration office indicates that elevated levels of hydrocarbons exist at depths between 11 and 16 feet below ground surface. The report indicated that the contamination was not from light petroleum gasoline, naphtha, or kerosene but rather diesel fuel or some other heavier petroleum product. The area was reported to be the location of an unknown former process unit that was demolished over 30 years ago. This subsurface contamination at the former USTS location is identified as a recognized environmental condition.”

Fuel Oil Storage Tank No. 1

“An investigation completed by Edison at the location of fuel oil storage tank 1 indicated that

elevated levels of diesel fuel and heavy hydrocarbons were detected in soil samples at depths of 6 inches and 2 feet below ground surface. An excavation and removal report indicated that the contaminated soils were removed except for approximately 15 cubic yards that remain directly below the fuel heater unit. The contaminated soil beneath the fuel oil storage tank 1 heater unit is considered a recognized environmental condition.”

Fuel Oil Storage Tank No. 4

“Edison staff reported that the number 4 fuel oil storage tank had overflowed in the past. The spill area was reported to have been cleaned up. No documentation describing the spill cleanup was available from Edison during performance of the Phase 1 ESA investigation. The potentially contaminated soils resulting from this reported spill are considered an area of potential concern.”

Oil/Gas Separator

“An investigation at the oil/gas separator area located east of Units 1, 2, 3 and 4, concluded that low levels of soil contamination exists but does not require immediate remedial action. The report, however, contains discrepancies between the laboratory data and the field screening results that would indicate that there may be contamination at the site that was not apparent in the lab results. Field notes indicated a strong odor of an unknown substance within the top 5 feet of the ground surface adjacent to the oil/ gas separator. The potential subsurface contamination at the oil/gas separator area is identified as a recognized environmental condition.”

Valve Pit/Oily Waste Sump at Units 7 and 8

“A subsurface investigation report for the valve pit/oily waste sump at Units 7 and 8 indicates that leakage has occurred and contamination is present in the subsurface soils below the valve pit. Measures were taken by Edison to stop the leakage, but the contamination was left in place due to the reported nonhazardous material characteristics of the soil and the difficulty of remediation. This subsurface contamination below the valve pit/oil waste sump is identified as a recognized environmental condition.”

Transformers

“Transformers in the powerblock area currently contain oil, which is documented by Edison to have less than 50 parts per million (ppm) polychlorinated biphenyls (PCBs). The transformers were reported to have contained higher concentrations of PCBs before 1976. No records or reports of spills of oil from transformers were discovered, however, it is possible that spillage or releases of transformer oil could have occurred. Because of the possibility for past release of PCBs, the areas around the transformers are identified as areas of potential concern.”

Powerblock

“Oil staining was observed on the floors of the powerblock around oil-containing equipment

such as pumps and tanks, No records of soil sampling or spills in this area were discovered. Because the oil could have seeped through cracks or joints in the concrete or through the pores in the concrete, it is possible that there may be contaminated soils beneath the powerblock area. As such, the oil staining in the power block is identified as an area of potential concern.”

Aboveground Storage Tanks

“Review of existing investigation reports indicated that petroleum contamination exists at shallow depths near all RGS aboveground tank locations. The reports conclude that this petroleum contamination resulted from the practice of applying oil to tank subgrades as corrosion protection and from some localized spills outside the tanks. The reports also conclude that the level of contamination detected is not significant. The Edison reports have recommended that no remedial action be conducted. Although it was concluded in the reports that petroleum concentrations associated with the aboveground tanks were not significant, no regulatory concurrence with this conclusion was provided by Edison. Consequently, oil-bearing soil in the aboveground storage tank areas is considered a recognized environmental condition.”

Pipelines

“Subsurface and aboveground pipelines have been used to convey fuel oil from the tanks to the powerblock and they have never been leak-tested. Therefore, soil around the pipelines at the RGS is identified as an area of potential concern.”

Primary Fuel Oil Pumping Area

“The primary fuel oil pumping area was reported by Edison to be a location of potentially contaminated soils. No known investigations or remediation have been completed at this location. This potential subsurface contamination is identified as an area of potential concern.”

Fuel Oil Pipeline

“The fuel oil pipeline located on the north side of the central retention basin was reported by Edison to have undergone repair and subsurface soil remediation in the past. No documentation was available from Edison for this activity. It was reported that the south side of the retention basin may still have some contamination as a result of the pipeline leak. This potential subsurface contamination is identified as an area of potential concern.”

Resin Tanks

“Edison reported the potential for subsurface contamination at the location of the resin tanks near the retention basin. Because of this, the resin tank area is identified as an area of potential concern.”

Natural Gas Pit Area

“Edison reported the potential for soil impacted with mercaptan contamination to exist in the vicinity of the natural gas pit area. Because of this, the natural gas pit area is identified as an area of potential concern.”

During EMS’ interview with Mr. Weidner and Mr. Hamilton (see Section 2.3.5) EMS was also provided with a August 23, 1999 *Soil Investigation Report, Wastewater Retention Basins* authored by Mr. Hamilton. Shallow hand auger borings were advanced within the footprint of the retention basins and analyzed for chemical constituents. Relatively high concentrations of metals were encountered in soil underlying the Boiler Cleaning Chemical Basin and adjacent North Basin; however, fill material was also encountered in the area of the North Basin and the report noted that the fill material could also be the source of the high metals concentrations. Metals were also detected in soil underlying the South Basin including vanadium and nickel. No VOCs were reported in soil samples collected from the basins.

EMS was also provided with a previous Phase II Site Assessment report prepared by Essentia on October 13, 2009. The investigation included installing and sampling four shallow soil borings each at above-ground tank locations 2, 3, 4 and 5 (see Essentia Figure 1-2 included in Appendix L). The executive summary of Essentia’s Phase II Site Assessment report included the following:

“The City of Redondo Beach has directed RGS to utilize the Huntington Beach Fire Department (HBFD) Soil Clean-Up Standard. The HBFD has established screening criteria for hydrocarbon cleanup. The screening criteria have been set, depending on the proposed future land use, for either residential and recreational or commercial and industrial land uses. Residential and recreational land use has been assigned a TPH screening criteria of 500 milligrams per kilogram (mg/kg). Industrial and commercial land use has been assigned a total petroleum hydrocarbon (TPH) screening criteria of 1,000 mg/kg. If the TPH results are below screening criteria for the appropriate land use, no further testing or remediation shall be required. Soils exceeding the screening criteria will require remedial actions in order to meet the soil cleanup standards. The analytical results for TPH carbon chain range C6-C44 are compared to the HBFD Soil Clean-Up Standards. Because RGS is an industrial facility, results are compared to the industrial screening criteria.”

“The analytical results for volatile organic compounds (VOCs) are compared to HBFD screening criteria for residential or recreational and industrial or commercial land uses. The screening criteria for both residential and recreational or industrial and commercial land use are 1.0 mg/kg for benzene and 10.0 mg/kg for toluene, ethylbenzene, and xylenes, individually. In addition to HBFD screening criteria, Essentia compared the VOC concentrations to U.S. Environmental Protection Agency (EPA) Region IX Preliminary Remediation Goals (PRGs) for residential and industrial land uses (EPA, 2009). The PRGs are used as remediation guidance when considering potential removal actions for impacted soil at sites with current or future residential or industrial land uses.”

“The HBFD Soil Clean-Up Standard states that soils that fail California Assessment Manual (CAM) criteria for hazardous waste must be excavated and disposed of at a proper disposal

facility. The VOC concentrations detected at Fuel Oil Tank Nos. 2, 3, 4, or 5 are non-hazardous with respect to California and federal standards.”

“Based on the review of data collected as part of this Phase II ESA, the following conclusions and recommendations are made with respect to chemicals of concern in Tank Basin Nos. 2, 3, 4, and 5.”

Conclusions

“Based on the review of the data collected as part of this Phase II ESA, the following conclusions are made with respect to chemicals of potential concern (COPCs) at the former Fuel Oil Tanks.”

- “For Tank No.2, TPH detected in one sample within the footprint of the former AST exceeded the HBFD screening level for residential or recreational land use. TPH detected in the sample collected from the area where piping connected to the AST exceeded the HBFD screening criteria for industrial or commercial land use. The soil from approximately 12 inches bgs to approximately 24 inches bgs exhibited black staining and petroleum odor.”
- “For Tank Nos. 3 and 4, TPH was not detected at concentrations exceeding either the residential and recreational or the industrial and commercial HBFD screening criteria. VOCs were not detected at concentrations exceeding the HBFD screening levels or Region IX PRGs.”
- “For Tank No.5, TPH detected in two samples collected from within the footprint of the former AST and one sample collected from the area where piping connected to the AST exceeded the HBFD screening criteria for industrial or commercial land use. Naphthalene was detected in one sample collected from within the footprint of the former AST at a concentration exceeding the residential PRG, but below the industrial PRG.”

Recommendations

“Based on the findings and conclusions of this Phase II ESA for Fuel Oil Tanks No.2, 3,4, and 5, Essentia recommends the following:”

Tank No. 2

“Soil sampled from beneath the footprint of Tank No.2 does not exhibit concentrations above the HBFD screening levels for industrial and commercial land use, no further action is recommended for soil beneath the footprint of this tank. Soil with TPH concentrations above the HBFD screening level for industrial and commercial land use is present in a visually stained area where piping once connected to Tank No.2. A limited spot removal is recommended for this soil. It is estimated that approximately 15 to 20 cubic yards (cy) of soil will require excavation from the area and transportation to a licensed soil recycling facility. Once complete, no further action will be required for Tank No.2.”

Tank No. 3

“Soil sampled from beneath the footprint of and piping connections to Tank No. 3 does not

exhibit concentrations above the HBFD screening levels for industrial and commercial land use, no further action is recommended for this tank.”

Tank No. 4

“Soil sampled from beneath the footprint of and piping connections to Tank No. 4 does not exhibit concentrations above the HBFD screening level for industrial and commercial land use, no further action is recommended for this tank.”

Tank No. 5

“For Tank No.5, TPH detected in two samples collected from within the footprint of the former AST and one sample collected from the area where piping connected to the AST exceeded the HBFD screening criteria for industrial or commercial land use. Further investigation is warranted in order to delineate both the vertical and horizontal extent of contamination. The results of the supplemental site investigation will be utilized to evaluate future actions for Tank No.5 and also evaluate possible remedial options (e.g., soil washing, bioventing, enhanced biodegradation, land farming, biopiles, or excavation for offsite treatment). However, it should be noted that RGS is of the opinion that the TPH contamination beneath former Tank No.5 is not the result of a release of the Low Sulfur Fuel Oil (LSFO) stored in the tank. The TPH is thought to be the result of pumping oil beneath the tank in order to delay corrosion, an approved engineering control once practiced at RGS. The contamination is likely directly underneath the footprint of Tank No. 5 and thought to be immobile because it consists of heavier range hydrocarbons and has not reached groundwater. In addition, Tank Basin No.5 is currently not serving any purpose and is not in use. Therefore, cleanup actions are not time sensitive. A Work Plan to conduct a supplemental site investigation for Tank Basin No.5 will be submitted to the City for review and approval.”

EMS also reviewed the *Fourth Quarter 2009/Annual 2009 Groundwater Monitoring Report, Redondo Generating Station*, prepared by Essentia. EMS received an electronic copy of the report without tables, figures and appendices. According to this report, shallow groundwater is present at a depth of approximately 10 to 15 feet and flows to the southeast. Groundwater level and flow direction are controlled by on-site dewatering wells installed to maintain groundwater levels below the retention basins. Without the dewatering wells, groundwater levels would rise within the basins due to injection wells installed east of the site. Several VOCs were have been detected in groundwater underlying the site. Most VOCs are detected at relatively low concentrations; however, the following were reportedly detected above their California Department of Public Health maximum Contaminant Levels (CDPH MCL): 1,4-dichlorobenzene detected at 8.4 micrograms per liter (ug/L), CDPH MCL of 5 ug/L; perchloroethene (PCE) at 12 ug/L, CDPH MCL of 5 ug/L; and, vinyl chloride at 0.74 ug/L, CDPH MCL of 0.5 ug/L. In addition to these VOCs, 1,4-dioxane and hydrazine were reported. 1,4-dioxane was detected at 16 ug/L, above the CDPH Notification Level of 3 ug/L. No regulatory levels were reported for hydrazine. Several metals, dioxins and sulfide were also detected in groundwater underlying the site.

Following EMS' interview with Mr. Weidner and Mr. Hamilton (see Section 2.3.5) EMS was also provided with the following additional reports:

- *Hydrogeologic Assessment Report, Redondo Generating Station, Report prepared for Southern California Edison, Dames and Moore, January 27, 1986; and,*
- *Ground Water Investigation Report, Redondo Generating Station, Southern California Edison, Hamilton, P., September 13, 1999.*

The Dames and Moore's investigation included advancement and sampling of six borings, five near the boiler chemical cleaning basin and one up-gradient of this basin. Three borings were converted to groundwater monitoring wells. The Dames and Moore report concluded that no definitive evidence of leakage from the basin was detected; however, TCE was detected in one previously installed well at the site.

The Hamilton well installation reports documents installation of thirteen additional groundwater monitoring wells at the site. Chemicals of concern detected in groundwater samples during this investigation included vanadium, arsenic, TCE, PCE and several other VOCs.

EMS' review of previous reports identified evidence of *Recognized Environmental Conditions* in connection with the site including documented soil and groundwater contamination. Additional information regarding these issues is included in Section 2.3.5.

2.3.5 Additional Record Sources

EMS searched the following regulatory agency websites for any additional information for the AES Redondo Beach plant: EPA's Envirofacts; DTSC's EnviroStor; SWRCB's GeoTracker; and the AQMD's FINDS websites. The EPA Envirofacts search returned numerous records for the site. A detailed review and summary of all the records identified by Envirofacts for the site is not within the scope of this investigation. The DTSC's EnviroStor website included two documents for the site; one was a DTSC facility assessment checklist and the other was an analytical report pertaining to the ongoing SCE investigation noted above. The SWRCB's GeoTracker website did not include any documents for the site.

The AQMD's FINDS searched returned numerous records and permits pertaining to various equipment operated at the site including boilers, engines, storage tanks, etc. The AQMD's FINDS search also returned eleven Notice of Violation (NOVs) records and three Notice to Comply (NOC) records for the site from 2002 to 2011. NOVs were listed as "Closed Case", "In Compliance" or "Rejected" and the NOCs were listed as "In Compliance". Copies of the AQMD FINDS search results are included in Appendix J.

EMS submitted a request to the LAFD for files pertaining to USTs and hazardous materials use and storage for the site addresses. The LAFD responded on November 15, 2011 that no records were found. Additionally EMS submitted a request to City of Redondo Beach requesting to review any records, reports, inspections or any other documents pertaining to environmental issues at this facility. The City of Redondo Beach responded in a letter dated December 5, 2011 that some files were available for review and some documents responsive to our request were

protected by attorney-client privilege and were exempted from disclosure. The LAFD response and the City of Redondo Beach letter are included in Appendix J. EMS visited the City of Redondo Beach records department on January 4, 2012. The files available for review were primarily construction permits for upgrades, renovations and additions to the site facility and annual inspection reports. The file did contain one report titled "Supplemental Site Investigation, Former Aboveground Storage Tank No. 5" by Managetech Solutions dated September 21, 2010. The report documents the activities associated with the ongoing investigation into the subsurface contamination at the location of the former Tank and determines that the lateral and vertical extent of the contamination has been sufficiently identified and recommends remedial activities including onsite treatment, offsite removal, recycling or disposal as appropriate.

According to the DOGGR Online Mapping System (DOMS) there are no wells located on the site. Numerous wells were identified to the west and southwest of the property more than .25 of a mile away.

On January 23, 2012, EMS met with Randy Weidner, CEG, with SCE and Patrick Hamilton, CEG. Mr. Hamilton has been with SCE since 1969 and is currently a contract employee. Mr. Weidner and Mr. Hamilton provided EMS with the following general information regarding the site and SCE power plant operations in general. SCE's pipeline division, EPTC, originally sold the large fuel oil ASTs and pipelines to Pacific Terminal, now named Plaines America. As a common practice, No. 6 fuel oil was used to coat the lower portion of ASTs. Investigations of the retention basins generally began around 1995-96. EMS was also informed that no extensive investigation of the fuel oil pipe lines has been performed. Chemicals of concern in soil and/or groundwater generally included metals, VOCs and 1,4-dioxane. Vanadium is the indicator metal for the boiler cleaning chemicals previously used at the plants.

EMS was informed that the Redondo plant did not include a Peaker Unit using jet engines and a jet fuel AST like some other SCE plants. EMS was also informed that the large fuel oil ASTs were installed first, then groundwater injection activities initiated by the Los Angeles County Flood Control District to control salt water intrusion into fresh water aquifers raised the local water table. SCE subsequently installed groundwater extraction wells to maintain the water table below the AST bottoms. Mr. Weidner and Mr. Hamilton had no knowledge of any environmental investigations related to the previous ASTs and plant layout present on the site prior to 1947.

EMS requested copies of available environmental reports for the site. Since there are extensive quarterly and annual groundwater monitoring reports, and EMS already obtained copies of the most recent annual groundwater monitoring reports, EMS requested copies of early soil investigation and groundwater monitoring well installation reports. EMS was provided with a copy of an August 23, 1999 *Soil Investigation Report, Wastewater Retention Basins* report noted in Section 2.3.4.

EMS also mentioned the number of USTs identified for the site and requested any information SCE has that could reconcile the total number of USTs that were present and removed from the site. Mr. Weidner informed EMS he was aware that clarifiers and sumps were classified as

“USTs” in the past. Mr. Weidner later informed EMS that it may require weeks to track down the UST information, if he could even still find it; therefore, this information is not reasonably ascertainable.

2.3.6 ASTM E 1527-05 User Questionnaire

Mr. Stephen O’Kane, Director, Permitting and Regulatory Approvals with AES provided EMS with an ASTM E 1527-05 User Questionnaire for the site on November 29, 2011. Mr. O’Kane answered in the negative to questions regarding knowledge of any environmental liens against the site or AULs in place for the site. As AES is the current owner and operator of the site, Mr. O’Kane indicated that AES has specialized knowledge including prior site use, chemical use, chemical releases, cleanups and investigations. A copy of the completed ASTM E 1527-05 User Questionnaire is included in Appendix K.

2.4 Information from Site Reconnaissance and Interviews

EMS visited the site on November 18, 2011. Mr. Flores and Ms. Marino of EMS conducted the site inspection. Ms. RaNae Loveland, Environmental Coordinator assigned Ms. Chitlik, Environmental Associate with AES, to escort EMS throughout the site and provided an overview of site operations and policies.

Ms Chitlik also provided EMS with access to hardcopy and electronic files of reports documenting various environmental issues for the facility including site plot plans. Select plans and tables for the purpose of describing site facilities and operations are presented in Appendix L. These include the following:

- AES Redondo Beach Facility Site Plan (General Site Map);
- AES Redondo Beach Facility Storm Drains and Water Flow Map;
- AES Redondo Beach Hazardous Materials and Waste;
- AES Redondo Beach Facility Storage and Capacities;
- AES Redondo Beach Facility Yard Waste System;
- Boiler 1 – 6 Blowdown Drains; and,
- SPCC Regulated Containers and Equipment.

The AES Redondo Beach facility is a natural gas fueled electrical power plant operated by AES since 1998. The site currently consists of seven parcels of land totaling approximately 50.9 acres. The site consists of eight natural-gas fueled electrical power plant units operated by AES since 1998. Units one, two, three, and four are no longer in service. The remaining four units are located on the site in pairs (see Photographs 1 and 2). Natural gas is piped onto the facility via above and underground pipelines. Prior to AES operation, SCE operated the facility utilizing natural gas and fuel oil. Fuel oil was piped onto the site and stored in five large ASTs that are no longer present at the site (see Photographs 3 and 4). Fuel oil pipelines remain on portions of the site. Each unit is comprised of a control room, boiler, turbine and other support facilities including transformers (see Photograph 5), aqueous ammonia tanks (see Photograph 6), oil-water separator and associated surface water drainage system.

Mr. Steven Maghy, Environmental Manager, indicated that the former large fuel oil ASTs, associated pipe lines and fuel-oil pumping facilities were sold by SCE to Plains America. The

land underneath the former fuel-oil USTs is owned by AES; however, pipe lines remain on the site. Mr. Maghy was unsure as to the current operational status of all the pipe lines and whether they still held fuel oil.

Ms. Chitlik showed EMS the systems for surface water drainage to the storm drains and for the water introduced to the ocean and the associated water sampling points (see Photographs 7, 8, and 9). Oily waste water is directed to oil-water separators, sumps and into a retention basin for proper disposal (see Photograph 10). A Storm Drains and Water Flow Map is presented in Appendix L.

The facility uses and stores petroleum products including lube oils, gear oils and transformer mineral oils. Various tanks and equipment containing these substances are summarized on the SPCC Regulated Containers and Equipment table included in Appendix L. Various new and used lube oils were observed in 55-gallon drums for use at Units 5 through 8 (see Photograph 11). New lube oil is also stored in bulk in a fenced in area in the northern portion of the property. Waste oil is stored near the south retention basin in 55-gallon drums (see Photograph 12). Also located in this area is an AQMD approved water soluble non-hazardous degreaser (see Photograph 13)

Other chemicals used and stored at the facility include 13% sodium hypochloride (see Photograph 14), hydrogen, liquid nitrogen (see Photograph 15), caustics and sulphuric acid, and several water tanks to service the boilers and for fire-fighting purposes (see Photograph 16). Ms. Chitlik stated that there is one underground storage tank on the site used to store aqueous ammonia for the operating units (see Photograph 17) and provided EMS with the current monitoring system certification and secondary containment testing documentation.

Ms. Chitlik stated that AES must further treat city supplied water before use in generating power at the facility. The treatment is performed by an outside contractor, Ionics Ultrapure Water Corporation (Ionics, see Photograph 18). Ionics utilizes reverse osmosis technology to purify city water. The Ionics trailer is located north of the south retention basin.

Cooling water for units 5 through 8 is withdrawn through a total of three submerged offshore intakes, two in King Harbor and one in Santa Monica Bay. Intake water is screened for trash and debris prior to entering the units (see Photograph 19).

According to Ms. Chitlik, AES currently operates the southern retention basin for the collection and disposal of non-hazardous waste. The north retention and attached acid basin are no longer in use (see Photograph 20).

Upon the sale of the facility SCE encumbered the property with several easements, including but not limited to, a 220 kv switch yard and a 66 kv switchyard and vehicular and pedestrian access (see Photographs 21 and 22). Additionally SCE under the aegis of the DTSC implemented a groundwater monitoring well assessment program in 1996 to identify potential chemicals in the underlying groundwater aquifers. The assessment program included the installation of 60 groundwater monitoring wells (see Photograph 23) and the implementation of quarterly groundwater monitoring sampling events and attendant report preparation for submittal to the

DTSC. In 2001 AES Redondo assumed responsibility for the ongoing evaluation, monitoring, and implementation of additional subsurface investigation at the generating station.

Due to the age of the facility and the age of the supporting structures AES Redondo is aware of the presence of asbestos containing materials and lead based paint. Materials and piping not containing asbestos has been marked with blue striping to better assure safe handling (see Photograph 24). AES Redondo has established protocols for the handling of these materials as well as other chemical and process debris handling.

2.4.1 Hazardous Substances in Connection with Identified Uses

Chemicals including petroleum-based lube oils, transformer mineral oil, aqueous ammonia, sodium hypochloride, compressed hydrogen, compressed nitrogen, caustics, sulphuric acid and various cleaners and maintenance chemicals were noted at the facility. EMS did not observe any significant instances of the misuse or improper storage of chemicals or poor housekeeping; therefore, the current use of non-hazardous and hazardous substances is not an environmental concern.

2.4.2 Other Hazardous Substances and Unidentified Substance Containers

There were no hazardous substances (not in connection with identified uses) or unidentified substance containers observed on-site during the site inspection.

2.4.3 Storage Tanks

Numerous storage tanks were noted at the site including one 20,000-gallon UST for storing aqueous ammonia. Several large above-ground storage tanks were observed on-site during the site inspection for the storage of aqueous ammonia, sodium hypochloride and water.

2.4.4 Indications of Polychlorinated Biphenyls (PCBs)

Several electrical transformers were observed on-site associated with the power generation units. Annual Document Logs for the years 2009 and 2010 identify the annual volume of PCBs contained in the transformer oil. In February 2010 sump material being transported offsite to the general disposal facility was found to exceed the permitted PCB amount of 2.2 ppm. The material was then transported to Clean Harbors for appropriate disposal as hazardous material.

2.4.5 Indications of Solid Waste Disposal

There were no noted concerns regarding on-site solid waste disposal during the site inspection.

2.4.6 Physical Setting Analysis, if Migrating Substances are an Issue

There were no instances of off-site sources of groundwater contamination that are currently likely to have impacted the site based on available regulatory information and recent groundwater flow; however, the site is located in an area documented to have had commercial and industrial activities dating back several decades. The possibility exists that nearby historical activities and previous groundwater flow directions could have caused off-site migration onto the site in the past. In addition, groundwater level and flow direction are reportedly controlled by on-site dewatering wells installed to maintain groundwater levels below the retention basins.

The operation of groundwater extraction wells will tend to draw groundwater onto the site for off-site areas.

2.4.7 Indications of Asbestos Containing Material (ACM)

AES has identified ACM in building materials such as floor tile, ceiling tile, wall-board, grout, pipe insulation, etc and has established protocols for handling and has clearly marked with blue striping “asbestos free” materials.

2.4.8 Radon Accumulation Potential

The National Radon Database has been developed by the EPA and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The EPA has established the following three zone classifications for radon:

- Zone 1 indoor average level > 4 picocuries per liter (pCi/L),
- Zone 2 indoor average level ≥ 2 pCi/L and ≤ 4 pCi/L,
- Zone 3 indoor average level < 2 pCi/L,

The EDR report contains radon information for Los Angeles County (Appendix B). The EPA Radon Zone for Los Angeles County is Zone 2 (indoor average level ≥ 2 pCi/L and ≤ 4 pCi/L). The EPA recommended guideline for radon is 4.0 pCi/L. Federal radon information also indicates 100% of first floor living areas tested in the 90277 Zip Code were below 4 pCi/L. Second floor living areas and basements were not reported.

The EDR report also contains data from a California State database for radon. This database indicates that of the 81 sites tested for radon within the 90277 Zip Code, four sites had radon levels greater than 4.0 pCi/L.

Because the site is a commercial/industrial facility, EMS noted no potential concerns with respect to radon at the site.

2.4.9 Indications of Lead Based Paint

The site buildings were constructed prior to 1980; therefore, lead based paint may be present in painted surfaces on the site.

3 Data Gaps

EMS retained EDR to perform an environmental lien search for the site. Due to the multiple parcel numbers for the site, and in order to reduce costs, the search was not conducted for all of the site's parcel numbers. Due to the fact that the site has been an electrical power generating station for several decades, and future use of the site will not likely change in the foreseeable future, EMS feels the lack of a lien search for all parcel numbers does not significantly impact EMS' ability to identify *Recognized Environmental Conditions* at the site.

4 Findings and Conclusions

We have performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the AES Redondo Beach electrical power plant located at 1100 North Harbor Drive, in the City of Redondo Beach, Los Angeles County, California. Any exception to, or deletions from, this practice are described in Section 3 of this report. This assessment has revealed no evidence of *Recognized Environmental Conditions*, *Historical Recognized Environmental Conditions* or *De Minimis Conditions* in connection with the site with the following exceptions:

- EMS' review of historical sources revealed that the layout for the power generating station changed sometime between 1938 and 1947. The original layout consisted of the power generating station and associated ASTs located on the northern and western portion of the site, respectively. Prior to 1947, the original ASTs on the western portion of the site and generating station on the northern portion were replaced. By 1947 two large ASTs are present on the eastern portion of the site and the original power generating station has been replaced by a new station on the southwestern portion of the site. Three large ASTs are added by 1976 and the power generating facility is significantly expanded by this time. These five ASTs have since been removed and subsurface investigations have been performed at these locations. EMS is unaware of any investigations of the original ASTs and other facilities. The former ASTs and other original facilities on the western portion of the site represent a *Recognized Environmental Condition* in connection with the site.
- The site was previously fueled by petroleum fuel oil. ASTs previously associated with the site are known to have impacted shallow soil with petroleum hydrocarbons. These ASTs are no longer present at the site; however, above-ground and underground fuel oil pipelines remain on the site. EMS is unaware of specific investigations of these pipelines. The presence of these pipelines represents a *Recognized Environmental Condition* in connection with the site.
- Groundwater underlying the site is known to be impacted by metals, dioxins, sulfide, VOCs, hydrazine and 1,4-dioxane. Groundwater is monitored as part of on-going subsurface investigations regarding former SCE operations at the site including former operation of waste-water retention basins. These investigations are currently conducted by AES and are overseen by the DTSC. The presence of groundwater contamination represents a *Recognized Environmental Condition* in connection with the site.
- Several spills have been noted at the site. Most documented spills involved petroleum products and were immediately addressed and observed and/or reported to local agencies. Most of these spills appear to represent *De Minimis Conditions* in connection with the site. Known or suspected contamination was noted by a previous Phase I ESA at the following facilities: displacement oil tank; oil/gas separator; valve pit/oily waste sump at Units 7 and 8; primary fuel oil pumping area; and the fuel oil pipe line on the north side of the central retention basin. Staining was also previously noted in the powerblock areas and associated with fuel-oil handling equipment. Although the site is currently powered by natural gas, it is reasonable to assume that historical operations have resulted in spills

of fuel oil in various areas of the site. Even if cleanup was performed at the time of the spill, it is reasonable to assume that residual contamination exists and may not be revealed until equipment is decommissioned and removed. The former extensive use of petroleum products represents a *Recognized Environmental Condition* in connection with the site.

- Transformers are currently reported to use non-PCB containing mineral oil; however, PCB containing oil was used in the past. Annual document logs for the years 2009 and 2010 identify annual volumes of PCBs containing waste transformer oil disposed. The former use of PCB containing transformer oil represents a *Recognized Environmental Condition* in connection with the site.
- One UST is currently present at the site to store ammonia. The UST is a 20,000-gallon, double-walled UST and includes a monitoring system. Based on this information, this UST does not appear to pose an environmental concern to the site. Three former USTs previously located northeast of the administration office were reported by a previous Phase I ESA. Elevated levels of hydrocarbons were found at depths between 11 and 16 feet bgs. The elevated levels did not appear to be from light petroleum gasoline, naphtha, or kerosene but rather diesel fuel or some other heavier petroleum product. EMS uncovered no “closure letter” or other regulatory records for these USTs. Based on this information, these three former USTs represent a *Recognized Environmental Condition* in connection with the site.
- EDR’s UST and HIST UST listings identified numerous environmental records for USTs, representing possibly as many as 30 individual USTs on the site. UST contents were reported to be product or waste. Installation dates ranged from 1947 to 1984. Some records may be duplicate records or refer to waste contained in below-grade oil/water separators and/or clarifiers; however, a total of 16 records identified the USTs as containing product. The large number of additional records from USTs at the site without removal and closure documentation represents a *Recognized Environmental Condition* in connection with the site.
- There were no instances of off-site sources of groundwater contamination that are currently likely to have impacted the site based on available regulatory information and recent groundwater flow; however, the site is located in an area documented to have had commercial and industrial activities dating back several decades. The possibility exists that nearby historical activities and previous groundwater flow directions could have caused off-site migration onto the site in the past. In addition, groundwater level and flow direction are reportedly controlled by on-site dewatering wells installed to maintain groundwater levels below the retention basins. The operation of groundwater extraction wells will tend to draw groundwater onto the site for off-site areas. Potential groundwater contamination on adjacent properties represents a *Recognized Environmental Condition* in connection with the site.

Although not considered *Recognized Environmental Conditions* as defined by the EPA AAI rule and ASTM E 1527-05, EMS also noted the following potential environmental concerns and issues:

- The site buildings were constructed prior to 1980; therefore, asbestos-containing building materials and lead based paint may be present on-site.
- The presence of VOCs in soil and groundwater underlying the site represents a potential vapor intrusion issue in connection with occupied buildings on the site.

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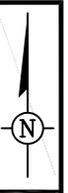
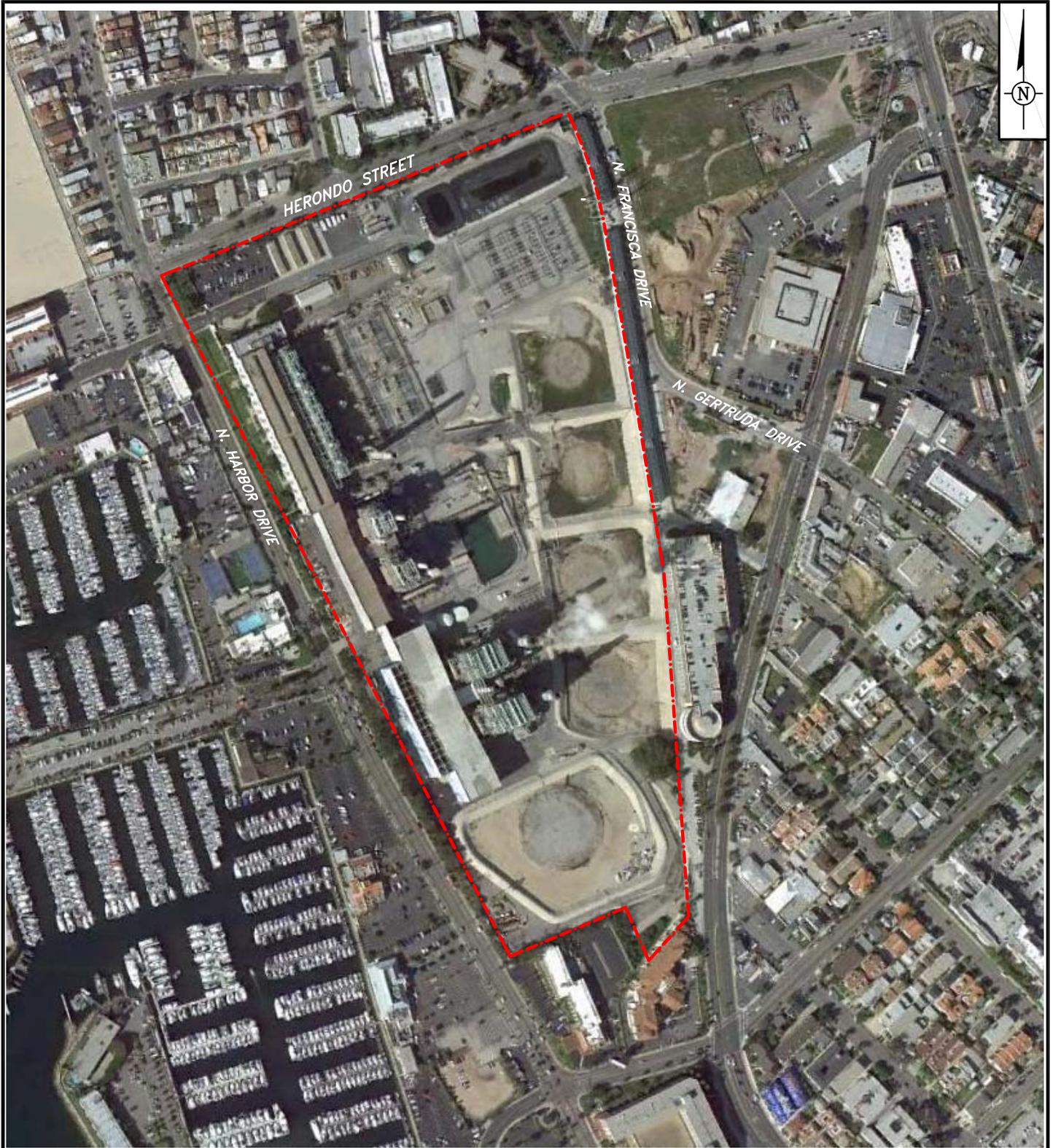
Tank Closure Work Plan, Above Ground Storage Tanks 2, 3, 4, and 5, AES Generating Station Redondo Beach, 1100 Harbor Drive, Redondo Beach, CA 90277, Essentia, June 2009

FIGURES



Map Source: Thomas Guide

NOT TO SCALE		SITE LOCATION MAP AES Redondo Beach Plant 1100 North Harbor Drive Redondo Beach, California	
Project Number EMS514		Phase I Environmental Site Assessment	
Project Manager MJ	Drafter VM	ENVIRONMENTAL MANAGEMENT STRATEGIES, INC.	
Date 11/04/2011		Financially Based, Environmental Solutions	
		Figure 1	



<p><u>EXPLANATION</u></p> <p>----- SITE PROPERTY LINE (APPROXIMATE)</p>	<p>NOT TO SCALE</p>	<p align="center">SITE MAP AES Redondo Beach Plant 1100 N. Harbor Drive Redondo Beach, California</p>	
		<p>Project Number EMS514</p> <p>Project Manager MJ</p> <p>Date 11/04/2011</p>	<p align="center">Phase I Environmental Site Assessment</p> <p align="center">ENVIRONMENTAL MANAGEMENT STRATEGIES, INC. <i>Financially Based, Environmental Solutions</i></p>

PHOTOGRAPHS

Client: AES
Property Name:
Property Location:

Project Number: EMS514
AES Redondo Beach
1100 North Harbor Drive
Redondo Beach, CA

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Photograph 1: Power plant Units 5 and 6.



Photograph 2: Power plant Units 7 and 8.



Photograph 3: Former aboveground storage tank (AST) location.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
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1100 North Harbor Drive
Redondo Beach, CA

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Photograph 4: Former AST location.



Photograph 5: Support units for power plant.



Photograph 6: Aqueous ammonia AST.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
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1100 North Harbor Drive
Redondo Beach, CA

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Photograph 7: One of the on-site water sampling points.



Photograph 8: Storm water drain location.



Photograph 9: Storm water drain location.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
AES Redondo Beach
1100 North Harbor Drive
Redondo Beach, CA

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Photograph 10: Southern retention basin.



Photograph 11: Lube oil stored in 55-gallon drums for dispensing.



Photograph 12: Waste oil stored near the south retention basin.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
AES Redondo Beach
1100 North Harbor Drive
Redondo Beach, CA

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Photograph 13: Water soluble non-hazardous degreaser.



Photograph 14: Sodium hypochlorite AST.



Photograph 15: Liquid nitrogen tank.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
AES Redondo Beach
1100 North Harbor Drive
Redondo Beach, CA

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Photograph 16: ASTs storing water for boilers and firefighting purposes.



Photograph 17: Aqueous ammonia underground storage tank.



Photograph 18: Ionics Ultrapure Water Corporation.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
AES Redondo Beach
1100 North Harbor Drive
Redondo Beach, CA

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Photograph 19: Water intake.



Photograph 20: North retention basin.



Photograph 21: Southern California Edison (SCE) 220 kilovolt switchyard.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
AES Redondo Beach
1100 North Harbor Drive
Redondo Beach, CA

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Photograph 22: SCE 66 kilovolt switchyard.



Photograph 23: Groundwater monitoring well RW-7 located near the north retention basin.



Photograph 24: Insulated equipment with blue straps indicating it is "asbestos free".



APPENDIX A

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Anthony F. Severini, P.G.

Position in the Firm

Mr. Severini is the President and Owner of Environmental Management Strategies, Inc., headquartered in Irvine, California. Mr. Severini specializes in the fields of damage assessment and cost recovery of environmental remediation, PRP cost assessment and allocation, environmental contractor dispute resolution, the transfer sale and/or divestiture of environmentally impaired property, regulatory dispute resolution, environmental insurance claims and protection, and strategic environmental planning.

Mr. Severini is a licensed Geologist in eight states including California. His 30 years of experience is based upon environmental work performed on over 2000 sites spanning 44 states in the US. Mr. Severini, who is considered one of the top hydrogeologists in Southern California, brings an understanding of complex environmental issues along with business acumen of key financial impacts of environmental damage to assist law firms, industry, insurance companies, lenders and property owners in environmental litigation and cost allocation of environmental pollution.

Professional Experience

Mr. Severini provides expert witness testimony for environmental litigation on sites involving soil and ground-water contamination, environmental stigma, cost allocation, NCP applicability and financial damage assessment. He has both testified and provided expert opinions on numerous court cases involving CERCLA claims, toxic torts, and PRP cost allocation. Additionally, he has provided testimony under direct and cross examination and has provided thousands of pages of deposition testimony. Because of his strong environmental background, numerous cases have been settled immediately after Mr. Severini's delivery of an expert report.

Mr. Severini has directed or overseen environmental investigations on sites involving manufacturing, aerospace, chemical storage, manufactured gas plant, automotive assembly, petroleum storage, petroleum refining, landfill / disposal, multiple PRP groundwater plumes, site demolition, and facility decommissioning.

Mr. Severini's areas of environmental technical skills include hydrogeology, geology, geochemistry, property conveyance, ground-water monitoring systems, site assessments, site remediation, environmental audits, vacuum extraction, ground-water remediation, biodegradation, and regulatory negotiation. Mr. Severini is one of the nation's leading consultants on environmental investigations related to due diligence and property transfer, purchasing, and financing, having managed and directed investigations on more than 2000 properties totaling more than \$35 billion in real estate value.

Mr. Severini's experience includes assessing aquifer properties, quantifying ground-water flow, determining the extent of ground-water contamination, and ground-water and contaminant modeling in saturated and unsaturated soils. Mr. Severini has experience in interpreting hydrogeologic and geochemical data; estimating hydrogeologic properties of aquifers; and determining ground-water flow paths and travel time. He has worked on ground-water models including data synthesis, developing and calibrating two- and three-dimensional finite-element and finite-difference flow models, sensitivity analysis of input parameters, predictive modeling of contaminant transport, and performance modeling of proposed containment systems. He is also a professional in "forensic-type" analyses for determining unknown sources for contaminant plumes and has received corporate quality awards for excellence in hydrology.

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Summary of Related Project Experience

The following is a brief description of a sampling of Mr. Severini's experience on environmentally impaired sites.

- Mr. Severini was the former National Environmental Practice Leader for KPMG's Forensic and Litigation Services Practice. In this capacity, Mr. Severini directed a team of insurance, real estate and engineering professionals in the development of exit strategies for clients with environmentally impaired properties. These exit strategies included the procurement of environmental insurance products, the cleanup of potentially hazardous chemical constituents in the soil and ground water, and the assessment of real estate value based on impaired and unimpaired conditions.
- Consulted on the procurement of remediation cost cap insurance and third party liability insurance products for a \$150 M commercial development in Irvine, California. The site was impaired by two off-site sources of ground-water contamination and the owner wanted to sell an equity interest to an institutional investor. Our staff developed all the necessary environmental due diligence information, coordinated the transfer of data between the insurance broker and insurance carrier, and reviewed sample policies and draft policies during the procurement phase.
- Directed the analysis of potential exit strategies for a \$22 M commercial development in Milpitas, California. The site was impaired by on-site and off-site sources of ground-water contamination. Three exit strategies were selected which included a combination of on-site remediation and insurance products in lieu of indemnifications. The property is currently in remediation stages and will be placed on the market for sale once insurance products are procured.
- Directed the remediation of 240 acres of a former oil production area in Huntington Beach, California. Over 100,000 cubic yards of soil contaminated with petroleum products, arsenic, metals and reduced sulfur compounds were remediated for development of the site for residential housing. Directed the recycling, treatment and disposal of contaminated soil from leaking oil field production wells, methane and odor measurements and abatement, oil storage tanks, oil field sumps, refining facilities and buried pipelines. Assisted with regulatory compliance and permitting. Assisted in the development plans for the reuse of the former oil production facility as a future residential housing development, area parks and a golf course.
- Directed site characterization studies on four separate refineries in the greater Los Angeles area. Bulk storage terminals, aboveground and underground storage tanks, pumping/transfer stations, marine terminals, and spill areas were investigated with soil borings and monitoring wells. Soil and ground-water contamination, and free-phased floating product were identified.
- Directed a RCRA corrective action remediation of a metal foundry in Paramount, California. The site was identified as a potential school site for the Paramount school district. Tasks included characterization of the vertical and lateral extent of contamination, removal of underground storage tanks, disposal of soil contaminated with metals and solvents, remediation of 4,000 cubic yards of contaminated soil by enhanced biodegradation, free-phase product recovery, ground-water monitoring and remediation.
- For a former oil recycling facility in Santa Fe Springs, California, managed the ground-water and soil characterization studies, negotiated a formal process for removing the site from the Superfund list with

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regulatory agencies, designed soil and ground-water cleanup measures, managed the removal of aboveground and underground storage tanks, and prepared documents in support of construction financing.

- One of Mr. Severini's specialties is the computer simulation of ground-water aquifers and contaminant plume migration, having completed nearly 30 separate investigations in his career.
- Using optimization modeling, determined the optimal pumping scheme for water supply wells in the Cheyenne, Wyoming municipal water well fields. Analyzed existing aquifer conditions, simulated seasonal performances of the well fields with computer models, and developed pumping strategies that minimized well field drawdown and produced abundant water supply for the city of Cheyenne during normal and below normal precipitation periods.
- Evaluated the effectiveness of recharge strategies for the West Coast Basin ground-water aquifer for the Los Angeles County Flood Control District. Evaluated the effectiveness of recharge basins, evapotranspiration losses, salt-water intrusion barriers, ground-water injection and recharge requirements to meet peak ground-water demand periods during drought years.
- Designed the ground-water extraction system for a mining facility in Denver, Colorado to control ground-water contaminant migration from a mine tailings pond using state-of-the-art computer simulation techniques.
- Managed the cost accounting for economic damages caused by regional ground-water contamination for a major aerospace corporation in southern California. Performed and directed the financial analyses of financial statements, databases, invoices, contracts and purchase orders for the development, installation, and operation of a water treatment purification plant. Assisted in the development of financial summary documents to support the submittal of claim packages to insurance carriers.
- Managed ground-water projects for the Department of Energy's program to determine safe geologic media for the deep burial of high-level radioactive waste in the mid-Atlantic and Gulf Coast states. Calculated ground-water flow velocities in deep formations, simulated the performance of the deep repositories with finite-difference and finite-element models in three dimensions, and performed stochastic probability analyses to determine the effects of data error on repository performance. Analyzed the ability to characterize hydrologic properties in deep, fractured crystalline rocks and salt domes through small and large diameter boreholes.
- Directed the investigations of sites contaminated with MTBE in Santa Monica, Irvine and Los Angeles, California. Each site involved the characterization of ground-water plumes, the extent of MTBE plume migration, and the overlap of other plumes with MTBE. Forensic types of analyses were performed using numerical modeling simulations to evaluate the locations of possible sources and the time-rate-of-travel of MTBE. Results indicated the possible times when spillage of MTBE occurred at each of the sources, the volume of ground water contaminated by each source and provided a basis for cost allocation between PRPs for total remediation costs.
- Developed the design for a vapor extraction remediation system for Caltrans in support of freeway expansion in Livingston, California. System was designed to remove free petroleum products from the water table and shallow soils. Project awarded and designed while Mr. Severini was with a former

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employer. The system designed by Mr. Severini was placed into operation and site closure was achieved.

- Provided senior oversight of hydrogeologic investigations on manufactured gas plant sites in New York and California. Investigations included review of historic operations, locations of potential source areas of contamination, and identification of MGP constituents in soil and ground water.
- Directed the sampling of soils to determine the deposition of air-borne contaminants at residences in the City of Glen Avon in support of the PRP defense committee at the Stringfellow Superfund site in southern California. Provided testimony as to the techniques for sampling, constituents discovered and their likely source.
- Directed the remediation of a large TCE/PCE ground-water plume at a former aerospace facility in Irvine, California. Tasks included delineating the extent of the plume, installing a pump and treat extraction well system, removal of an underground storage tank, NPDES permitting, treatment of contaminated effluent by ultraviolet/peroxide purification and carbon adsorption, and treatment of 2,000 yards of contaminated soil by chemical oxidation. Developed a cost allocation model for the settlement of CERCLA claims between existing and previous landowners.
- Managed the cleanup of a gasoline leak from an underground storage tank in Fullerton, California. Permitted, designed, and operated a vapor extraction system using carbon adsorption to achieve eventual cleanup of the contaminated soil.
- Evaluated the effectiveness of ground-water extraction systems at the Rocky Mountain Arsenal in Denver, Colorado. Simulated the recovery of contaminated ground water using a two-dimensional finite-difference computer model and predicted the shape and concentration of the plume over the next 25 years of use. The simulations were used to upgrade the existing extraction system to increase the effectiveness of all control measures.

Former Positions

Prior to forming Environmental Management Strategies, Inc., Mr. Severini was the National Environmental Practice Leader for KPMG LLP where he was the lead consultant on all environmental litigation engagements.

Prior to joining KPMG, Mr. Severini managed the California operations of Blasland, Bouck & Lee, Inc., an environmental engineering, design and remediation firm, where he was Vice President and General Manager of BBL's Irvine, California office.

Prior to joining BBL, Mr. Severini managed the California operations of TRC Companies, an environmental engineering firm, where he was Vice President and Manager of Hazardous Waste Services for TRC's offices in Irvine, Fresno and San Francisco.

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Severini, A. and Gibson, J. - *Evaluation of In Situ Hydrogeologic Techniques for Determining Crystalline Rock Permeability in Large- and Small-Diameter Boreholes*. Abstract of the Hydrogeology of Rocks of Low Permeability, International Association of Hydrogeologists, Tucson, Arizona, January 1985.

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Severini, A., Denne, J., Sophocleous, M., and Lucas, J. - *Integrated Approach for Locating Glacial Buried Valley Aquifers in Northeastern Kansas*. New Techniques in Assessing Ground-Water Conditions in Glaciated Terrains Symposium, Midwest Ground-Water Conference, October 1980.

Mr. Severini is an author or co-author on over 1,500 technical reports documenting his consulting services to client.

Registrations

Professional Geologist, Arizona
Professional Geologist, Arkansas
Professional Geologist, California
Professional Geologist, Idaho
Professional Geologist, Indiana
Professional Geologist, Oregon
Professional Geologist, Tennessee
Professional Geologist, Virginia
AHERA Certified Asbestos Building Inspector
AHERA Certified Asbestos Management Planner
AHERA Certified Asbestos Project Designer
AHERA Certified Asbestos Contractor Supervisor
General Engineering A Licensed Contractor, California
C-57 Certified Well Driller, California

Education

MS/Geology, 1980, University of Connecticut
BS/Geology, 1975, University of Connecticut

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Mark I. Jirgal, P.G.

Position in the Firm

Mr. Jirgal is a Professional Geologist in the State of California. He has 20 years of experience in the environmental consulting industry including several years experience as a project manager, technical coordinator and account manager. He has performed or directed a variety of environmental investigations at hundreds of sites located in several states within the U.S. Mr. Jirgal specializes in detailed chlorinated solvent and methyl tertiary butyl ether (MTBE) investigations, Potentially Responsible Party (PRP) identification, environmental cost allocation, forensic environmental analysis, environmental due diligence, and environmental litigation support. His recent experience has focused on high-value commercial properties requiring environmental due diligence, PRP identification, technical support for environmental litigation including third party sites, and site closure activities.

Professional Experience

Mr. Jirgal has managed ongoing subsurface investigation and remedial activities at numerous sites within the state of California for the petroleum industry. As a technical coordinator Mr. Jirgal supervised project managers and was a primary contact for client service. Mr. Jirgal was ultimately responsible for supervising ongoing environmental work at over sixty sites in Southern California with annual revenues of over \$500,000. Mr. Jirgal has authored or co-authored over 1000 technical reports summarizing his environmental services to clients and regulatory agencies.

Mr. Jirgal has conducted or directed hundreds of investigations related to environmental due diligence and property transfer. Mr. Jirgal has utilized multiple forensic environmental techniques including aerial photograph review, agency records research, property title review, hydrogeological investigations, chemical manufacture and chemical use information to identify contaminant sources and potential contaminant sources of soil and groundwater contamination.

Mr. Jirgal has identified potential sensitive receptors of contaminants including active and inactive drinking water production wells, schools, daycare centers and similar facilities. Mr. Jirgal has directed the risk classification of over 50 service station sites in southern California based on hydrocarbon and MTBE groundwater concentrations and the site's proximity to active and inactive drinking water production wells.

Mr. Jirgal has directed active remediation activities including soil excavation, free product removal, soil vapor extraction, and air sparging activities. Mr. Jirgal has directed passive bioremediation monitoring activities at petroleum impacted sites. Mr. Jirgal has authored or co-authored requests for case closures at several sites based on previous environmental remediation activities, existing site conditions, and beneficial use of local surface and groundwater resources.

Mr. Jirgal provided annual environmental investigation and remediation cost estimates for over 30 sites in Southern California. Mr. Jirgal obtained competitive bids and analyzed subcontractor performance for a variety of environmental contractors including stationary and mobile analytical laboratories, drilling companies, waste disposal companies, down-hole and surface geophysical contractors, remediation system installation and maintenance contractors, and database search companies.

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Representative Site Experience

- Provided litigation support for several former gasoline service station sites located in Southern California for a major petroleum company. Mr. Jirgal researched historical operations and current environmental data for the sites to provide client's counsel with information regarding the extent and potential sources of petroleum and MTBE contamination. Provided analysis of site investigation and remediation costs submitted to Mr. Jirgal's client for reimbursement. Provided client's counsel with a cost analysis including identification of non-environmentally related costs and costs in excess of those acceptable to the state of California's Leaking Underground Storage Tank Cleanup Fund. Mr. Jirgal identified additional off-site sources of groundwater contamination based on the detection of MTBE and a breakdown product of MTBE, tert-butyl alcohol (TBA). Detection of MTBE and TBA indicated that post-1980 gasoline releases were migrating onto sites that had ceased service station operations in the 1970s, prior to the introduction of MTBE.
- Provided litigation support at an active service station in Palm Desert, California. Mr. Jirgal analyzed several additional potential sources of groundwater contamination and analyzed a local drinking water production well. Determined that it was unlikely that the shallow groundwater contamination would impact the nearby production well based on the well's design and the depth of the production wells source aquifer.
- Directed subsurface investigations at two service station sites for a regional MTBE contamination investigation in Santa Monica, Los Angeles County, California. These investigations, required by the Los Angeles Regional Water Quality Board and the U.S. Environmental Protection Agency, were conducted in response to MTBE detected in drinking water supply wells for the City of Santa Monica. The investigations included characterization of soil and groundwater plumes, analysis of historical laboratory techniques and results, analysis of historical groundwater aquifer properties and identification of potential off-site sources of MTBE.
- Directed ongoing investigation activities at several service station sites with groundwater impacted by MTBE. Identified both active and inactive drinking water production wells in close proximity to significant and migrating MTBE plumes. Coordinated onsite aquifer analysis with local water company's startup of an inactive drinking water supply well to determine if production well operation would influence and mobilize the shallow, MTBE contaminated aquifer underlying the service station.
- Directed the potential risk classification of over 50 sites with groundwater impacted with petroleum hydrocarbons and/or MTBE. The classification was performed for service station sites within the Los Angeles Regional Water Quality Control Board's jurisdiction and included analysis of hydrocarbon and MTBE concentrations in groundwater, the location of active and inactive drinking water production wells, and the determination of aquifers utilized for drinking water supply.
- Conducted due diligence file review and site investigations at 44 active gasoline service stations located in Riverside, San Bernardino, and Imperial Counties, California. Following file review, Mr. Jirgal directed subsurface investigations at the service stations to establish baseline subsurface environmental conditions at each site when operation of the site was transferred to Mr. Jirgal's client. The due diligence investigations included a review of historical operations and results of previous environmental investigations. Following the investigations, Mr. Jirgal directed UST replacement monitoring and sampling activities at approximately 20 sites including the segregation of impacted and non-impacted soils for disposal or use as backfill.

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- Directed site investigation and remedial activity and at a former oil field service facility located in Oxnard, Ventura County, California. Site investigations included summarizing previous underground tank investigations and conducting additional soil and groundwater investigation activities at a large oil/water separator and acid neutralization pit facility. Remediation activities included excavation and removal of contaminated soil from the site. Mr. Jirgal co-authored requests for site closure, including an evaluation of local beneficial groundwater use. The Ventura County Department of Environmental Health Services granted closure for the underground tank area. The Regional Water Quality Control Board granted “no further action” for the oil/water separator and acid neutralization pit areas. These remedial activities and subsequent agency closure and NFA letters were necessary for sale of the property.
- Conducted site investigation and remedial activity at a commercial office/light industrial complex (estimated value over \$20 Million) located in Milpitas, Santa Clara County, California. Previous attempts to sell the property were unsuccessful due to the presence of chlorinated solvent and diesel-contaminated soil present on the site at a former underground storage tank area and the site’s location over a regional chlorinated solvent ground water plume. Remediation activities included the excavation of solvent and diesel-contaminated soil from the former underground storage tank location and disposal at a Class I hazardous waste disposal facility. Following submittal of the site closure report, the San Francisco Bay Area Regional Water Quality Control Board granted “no further action” for the former underground storage tank area.
- Conducted Due Diligence site assessment activities for transfer of a commercial office complex (estimated value over \$100 Million) located in Alhambra, Los Angeles County, California. The site is currently an office/campus complex but had been utilized as a major manufacturing and research facility since the early 1920s. The Due Diligence assessment activities include conducting a Phase I Environmental Site Assessment and oversight and peer review of Phase II site investigation activities performed on behalf of the current owner’s lender. The site is located over the San Gabriel Ground Water Basin. This basin is an U.S. Environmental Protection Agency Superfund site, primarily due to the presence of chlorinated solvents in the basin.
- Currently provides on-going technical support for PRP identification at an office complex (estimated value over \$100 Million) located in Irvine, Orange County, California. Neighboring properties have contaminated ground water underlying the site with chlorinated solvents. The PRP’s for the neighboring properties have denied responsibility for contamination underlying the site. Mr. Jirgal has performed an extremely detailed review of the land use history of the area, subsurface hydrogeology, plume characterization, underground utilities, and industrial operations at the neighboring sites. The results of these on-going activities have been presented to the Santa Ana Regional Water Quality Control Board (Board) resulting in the acceleration of investigation activities in the area. Following additional investigations, several meetings with the Board, and presentation of Mr. Jirgal’s analysis of the hydrogeology and contaminant migration, the Board is now preparing a directive for both neighboring parties to complete investigation activities on Mr. Jirgal’s client’s property.
- Mr. Jirgal is currently providing litigation support for a legal action involving oil recycling facility and an oil packaging facility located in Los Angeles County, California. The technical support work includes compiling a detailed land use history of the vicinity dating back to the 1920s, compiling detailed operational histories for both facilities dating back to the 1940s and 1950s and a detailed review of subsurface investigations performed to date. Mr. Jirgal’s involvement also includes identifying potential additional PRPs for off-site sources of groundwater contamination, consultations with counsel regarding future investigation activities, and estimation of potential clean up costs and allocation by PRP.

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Former Positions

Prior to joining Environmental Management Strategies, Inc., Mr. Jirgal was a Senior Consultant with KPMG LLP, in Los Angeles, California.

Prior to joining KPMG LLP, Mr. Jirgal was a Technical Coordinator and Project Manager for Delta Environmental Consultants, Inc. in Aliso Viejo, California.

Prior to joining Delta Environmental Consultants, Inc., Mr. Jirgal was a staff geologist for TRC Environmental Consultants, Mission Viejo, California.

Education

Mr. Jirgal has received two Bachelor of Science degrees in Resource Development and Geology from the University of Maryland. Mr. Jirgal has also completed several Hazardous Waste Management Training Courses at the University of California, Irvine. Mr. Jirgal is also an American Heart Association certified First Aid/CPR Instructor.

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Joyce Marino

Position in the Firm

Ms. Marino has over twenty-one years experience managing and participating in hazardous waste site assessments and evaluations at various government, industrial and commercial facilities including military installations for base closure, manufacturing facilities, oil fields, and major petroleum company service stations. She has participated in soil and groundwater assessment activities associated with two Environmental Protection Agency Superfund sites. She has conducted investigations characterizing soil and groundwater, performed feasibility studies, and prepared remedial action plans and closure reports. She has provided environmental oversight during mass grading of three major oil fields for development as residential and commercial properties.

Professional Experience

Ms. Marino provided field management oversight for Phase III Remedial Excavation activities for the Centex Homes development of the La Mirada, West Fullerton leases of the former Chevron West Coyote Oil Field. Property development included 335 single-family residential lots and attendant streets, a 2.4-acre commercial site, a 2 million-gallon reservoir site and an additional site for two reservoirs each with a capacity of two million gallons. The remedial activities were performed in conjunction with grading operations that ultimately entailed the movement of 7 million cubic yards of soil. Approximately 60,000 cubic yards of affected soil was removed and stockpiled prior to reuse on site. Remediation activities also included characterization of unidentified impacted areas encountered during grading operations, environmental oversight of impacted soil removal and handling operations, documentation and confirmation soil sampling, excavation survey oversight, client-contractor interaction, project data management, and report preparation. Both the Orange County Health Care Agency (OCHCA) and the Regional Water Quality Control Board (RWQCB) have granted site closure for all phases of the projects.

Ms. Marino provided field management oversight for Phase III Remedial Excavation activities for the Aera Energy LLC Village III development of the former Yorba Linda Oil Field in a multi-phased oil field shut-in operation with concurrent grading operations for a roadway extension. The property was developed as residential communities in five phases, Villages I through IV and a golf course. The remediation activities included characterization of unidentified impacted areas encountered during shut-in operations, environmental oversight of impacted soil removal and handling operations, oversight of placement of impacted soil in approved reuse areas, soil placement documentation and confirmation soil sampling, close communication with regulatory agency personnel, excavation survey oversight, client-contractor interaction, project data management, and report preparation. The Orange County Health Care Agency (OCHCA) and the Regional Water Quality Control Board (RWQCB) have granted site closure for the project.

Ms. Marino provided field management oversight for Phase III Remedial Excavation activities for the PLC Land Company development of the La Habra, West Fullerton leases of the former Chevron West Coyote Oil Field. Property development included 400 single-family residential lots and attendant streets, an 18-hole golf course with a driving range and ancillary facilities, and a 2.5 million-gallon reservoir site. The remedial activities were performed prior to and in conjunction with grading operations that ultimately entailed the movement of 14 million cubic yards of soil. Approximately 300,000 cubic yards of affected soil was removed, segregated by assigned concentration levels and stockpiled prior to reuse on site. Remediation activities also included characterization of unidentified impacted areas encountered during grading operations, environmental oversight

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of impacted soil removal and handling operations, documentation and confirmation soil sampling, excavation survey oversight, client-contractor interaction, project data management, and report preparation. Both OCHCA and the RWQCB have granted site closure.

Ms. Marino provided field management oversight for Phase III remediation of the former Chevron West Coyote Oil Field which entailed excavation activities for removal of oil impacted soil from an historic sump site. Approximately 100,000 cubic yards of crude oil affected soil was removed and stockpiled on site for future reuse. The property also contained 230 wells, numerous sumps, historical sump sites, tank settings, condensate drips, transformer locations, oil field debris sites, a former gas plant site, and a former landfill site. Special issues of concern included endangered species habitat, wetland, and blue-line stream areas.

Ms. Marino conducted Phase II site assessment of approximately 925-acres of four contiguous oil field properties during oil field abandonment operations. The properties included numerous abandoned and active wells, sumps, tank settings, above-ground storage tanks, pipelines, historical sites, condensate drip locations, transformer sites, a gas plant, former underground storage tanks, and other oil field support facility sites. Assessment also included oversight of tank bottom sampling, stockpile sampling and data management.

Representative Site Experience

- Provided field oversight project management for Phase III Remedial Excavation activities for an approximate 139-acre former oil field property. Approximately 200,000 cubic yards of oil impacted soil was excavated for offsite reuse as a landfill cap. Remediation activities included environmental oversight of impacted soil removal, documentation and confirmation soil sampling, excavation surveying, oversight of stockpile screening operations, client-contractor interaction, and data management. The OCHCA and the CRWQCB granted interim closure.
- Provided field oversight management for Phase III Remedial Excavation activities for a former gas plant site, large tank setting site and selected former oil well sites. Approximately 100,000 cubic yards of oil impacted soil and 40 cubic yards of polychlorinated biphenyl (PCB) impacted soil was excavated for offsite reuse and disposal. Remediation activities included environmental oversight of impacted soil removal, documentation and confirmation soil sampling, client-contractor interaction, and data management.
- Provided field oversight management for the demolition of the Lomita gas plant in the port of Long Beach and the excavation and removal of approximately 5,000 cubic yards of soil impacted with elevated levels of metals (primarily, chromium, arsenic, and mercury).
- Supervised and conducted field activities to identify and characterize the extent of impacted soil and groundwater resulting from historical activities associated with oil field and industrial operations along the former Union Pacific Railroad easement.
- Provided oversight of the cutting and removal of the Henry Ford Bridge. The bridge was coated with lead base paint and stringent safeguards were implemented to assure that cutting debris and lead impacted paint chips were not introduced into the underlying Cerritos Channel during removal activities.
- Managed a field program to assess and characterize the extent of groundwater impacted with chlorinated solvents and to determine if hydraulic communication existed between two aquifers previously

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identified at the site. Performed multi-well aquifer pump tests for constant and stepped-rate drawdown data as well as recovery rates for the placement of injection and extraction wells. Conducted quarterly groundwater monitoring activities and submitted reports to the appropriate regulatory agencies.

- Conducted a field investigation to assess the extent of groundwater affected by chlorinated solvents in an aquifer overlain by volcanic strata. Abandoned existing groundwater monitoring wells identified in areas designated for residential and commercial development. Installed replacement groundwater monitoring wells in non-development areas identified as acceptable by the development contractor, the City of Ventura, and the CRWQCB.
- Managed field activities associated with the construction and maintenance of a vacuum extraction system for soil impacted with chlorinated solvents. Provided installation and construction oversight of vadose-zone wells for vapor extraction and air inlet wells. Directed installation of groundwater wells to monitor the water quality of a perched aquifer at the site. Prepared and submitted quarterly reports to the CRWQCB, submitted required permit compliance updates to the South Coast Air Quality Management District and to the Orange County Water District. Prepared and submitted an Interim Closure Plan to the CRWQCB that was subsequently approved.
- Provided project management for the construction and installation of groundwater monitoring wells, groundwater sampling and data analyses. The site is located in the San Gabriel Valley Basin which is designated by the EPA as a superfund site. Field activities were performed in cooperation with the California Region Water Quality Control Board, Los Angeles Region in conformance with requirements mandated by the USEPA.
- Participated as a team member on the assessment and remediation of this superfund site. Activities were conducted in cooperation with the United States Army under requirements mandated by the EPA. Groundwater monitoring well installation, soil sampling, and groundwater sampling activities were conducted under strict EPA protocols.
- Conducted quarterly groundwater sampling of two aquifer zones, performed data analyses, and prepared and submitted quarterly monitoring reports. This site was designated a superfund site by the EPA and the United States Department of Fish and Game. The remediation efforts developed for this site entailed installing drains to entrain water from the upper aquifer into the lower aquifer, installing extraction wells into the lower aquifer for transport and delivery to a treatment system and the subsequent release of the water into an adjacent creek. Additionally injection wells were installed along the perimeters of the identified extent of contamination to develop a groundwater mound that restricted groundwater flow. Compiled, edited and submitted a Detailed Analysis of site activities according to EPA guidelines. The Detailed Analysis was subsequently approved and implemented by the EPA.
- Performed field activities including groundwater monitoring well installation oversight, soil and groundwater sampling, sample collection from sumps, discharge pipes, and motor pool areas, data analyses, and other activities pertinent to securing base closure, pursuant to United States Army agreements.
- Designed and implemented a Quality Assurance/Quality Control program for soil remediation activities that entailed the excavation of 700,000 cubic yards of impacted soil for disposal at Class I and Class III landfills.

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- Performed numerous Phase I Environmental Site Assessment (ESA) investigations for oil field, agricultural, commercial/industrial and mixed use high density residential properties for the purpose of identifying and abating environmental impairment and liabilities. Involvement in Phase I ESAs has included all requirements outlined in ASTM E1527 including background research, field activities, and report preparation.

Former Positions

Prior to joining Environmental Management Strategies, Inc., Ms. Marino was a Senior Geologist with Tetra Tech, Inc. in Long Beach, California.

Prior to joining Tetra Tech, Ms. Marino was a Senior Geologist for Miller Brooks Environmental LLC in Huntington Beach California.

Education

Ms. Marino has received a Bachelor of Science degree in Geology at California State University in Fullerton.

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Ashley Flores

Position in the Firm

Mr. Flores has his Bachelor of Science degree in Environmental Science from the University of California Riverside and has over 5 years of experience in the environmental consulting industry. Mr. Flores has joined our team at EMS as a Staff Scientist. While at EMS Mr. Flores has participated in Potentially Responsible Party (PRP) identification environmental cost allocation, forensic environmental analysis, environmental due diligence, and environmental litigation support.

Professional Experience

As a Staff Scientist with EMS, Mr. Flores has conducted Phase I Environmental Site Assessments (Phase I ESAs) and Phase II subsurface investigations. Mr. Flores has also conducted site remediation activities including remedial excavation confirmation sampling and routine soil vapor extraction system operation and maintenance. Mr. Flores site investigation and remediation experience has included work performed at vacant, residential, commercial, and industrial properties. Contaminants of concern included petroleum hydrocarbons, industrial solvents and emergent chemicals. Mr. Flores has experience with traditional hollow-stem auger, direct push and sonic drilling techniques for soil boring and groundwater monitoring well installation. Mr. Flores has also directed soil gas surveys. Mr. Flores has written reports, in whole or in part, documenting Phase I, Phase II and remediation activities.

As a Staff Scientist with EMS, Mr. Flores has conducted sampling of suspected asbestos containing material in commercial and residential structures. Mr. Flores participates in an on-going mold-abatement project for a food distribution warehouse located in Rancho Cucamonga, California.

As an Operations Manager, Mr. Flores managed, organized, and scheduled excavation and housing renovation projects in New Orleans, Louisiana for a crew of 20 employees.

As an Environmental Technician/Scientist Mr. Flores has prepared storm water pollution prevention plans for companies who are required to sample their storm water discharge. Mr. Flores has also prepared toxic chemical release inventory reports and countermeasure plans for spill prevention of hazardous materials or chemicals, also has experience in biohazard cleanup of vehicles and has also taught training sessions for first aid, CPR, and blood borne pathogen exposure.

Representative Site Experience

- Conducted Due Diligence site assessment activities for numerous residential, commercial and industrial properties located in California. The Due Diligence site assessment activities consisted of the completion of Phase I and Phase II ESAs as well as conducting and evaluating the results of asbestos, lead based paint, lead in drinking water and radon gas surveys.
- Participates in on-going litigation support projects including PRP identification, detailed evaluation of historic activities, detailed hydrogeological and contaminant distribution evaluations, and cost allocation projects located in Orange and Los Angeles Counties, California.

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- Coordinated meetings for mold abatement activities conducted at a 165,000 square foot distribution warehouse in Rancho Cucamonga, California. Meetings were held during the week on a daily basis to ensure the abatement contractor personnel did not interfere with normal warehouse operations. Communication between the warehouse personnel and the abatement contractor personnel allowed the abatement activities to be completed in a timely manner and ahead of schedule. Programmed and oversaw the installation of temperature and humidity data loggers to monitor building conditions.
- Conducted asbestos sampling for the remodeling of office suites at an office complex in the city of Pasadena. Due to the age of the buildings asbestos containing material was suspected to be contained within the building materials of the buildings. Asbestos samples were taken from a number of different medium including drywall, joint compound, carpet glue, etc. in each of the office suites ready for remodeling. The suites sampled did not contain asbestos allowing the suites to be remodeled without any additional expenses for asbestos removal and disposal.
- Performed remedial excavation confirmation soil sampling for a former copier refurbishing facility located in Irvine, California. Activities included screening soil for segregation according to South Coast Air Quality Management District Rule 1166, soil confirmation sampling and determination of final excavation limits.
- Conducted groundwater monitoring on a quarterly basis at a former oil field services bulk plant in northern California. The location previously contained a maintenance shop including underground storage tanks, steam cleaning, sumps, clarifiers, and associated drain lines. Currently conducting quarterly groundwater monitoring at an active plating facility located in southern California. Groundwater underlying this facility is impacted with hexavalent chromium.

Former Positions

Prior to joining Environmental Management Strategies, Inc., Mr. Flores was an Operation Manager Senior with BPD Inc., Fontana, California.

Prior to joining BPD Inc., Mr. Flores was an Environmental Technician/Scientist for Jorgenson Environmental in Rancho Cucamonga, California.

Prior to joining Jorgenson Environmental, Mr. Flores was a Part-time Environmental Technician for Regulation Compliance Inc., Riverside, California.

Education

Mr. Flores is a graduate from the University of California Riverside, he has received a Bachelor of Science degree in Environmental Science.

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APPENDIX B

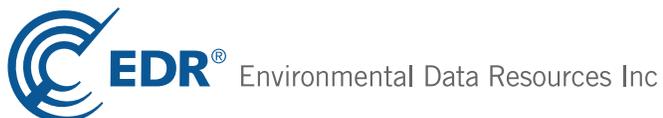
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EXECUTIVE SUMMARY

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 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1100 NORTH HARBOR DRIVE
REDONDO BEACH, CA 90277

COORDINATES

Latitude (North): 33.850900 - 33° 51' 3.2"
Longitude (West): 118.394500 - 118° 23' 40.2"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 370988.6
UTM Y (Meters): 3746305.0
Elevation: 17 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 33118-G4 REDONDO BEACH (DIGITAL), CA
Most Recent Revision: Not reported

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2009, 2010
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:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
EPTC REDONDO 1100 HARBOR DR REDONDO BEACH, CA 90277	RCRA-SQG FINDS HAZNET HWP	CAD000631093
1100 HARBOR DRIVE 1100 HARBOR DRIVE REDONDO BEACH, CA 90277	ERNS	N/A
SCE, REDONDO GENERATING STATION 1100 HARBOR BLVD. REDONDO BEACH, CA 90277	Toxic Pits Closure Date: / /	N/A
SOUTHERN CALIFORNIA GAS COMPANY 1100 N HARBOR DR FILTER OPERATOR UN REDONDO BEACH, CA 90277	HAZNET	N/A

EXECUTIVE SUMMARY

REDONDO BEACH G. S. 1100 HARBOR BOULEVARD REDONDO BEACH, CA 90277	Notify 65	N/A
EPTC-REDONDO 1100A HARBOR DR REDONDO BEACH, CA 90277	FINDS	N/A
AES - REDONDO BEACH GENERATING ST 1100A HARBOR DRIVE REDONDO BEACH, CA 90277	Cortese	N/A
AES REDONDO BEACH, L.L.C. 1100 N. HARBOR DRIVE REDONDO BEACH, CA 90277	RCRA-LQG HAZNET	CAR000038893
1100 NORTH HARBOR DRIVE 1100 NORTH HARBOR DRIVE REDONDO BEACH, CA 90277	ERNS	N/A
SOUTHERN CALIFORNIA GAS COMPANY 1100 N HARBOR DR REDONDO BEACH, CA 90277	FINDS	N/A
1100 HARBOR DR. 1100 HARBOR DR. REDONDO BEACH, CA 90277	CHMIRS	N/A
AES - REDONDO BEACH GENERATING ST 1100A HARBOR DRIVE REDONDO BEACH, CA 90277	RESPONSE ENVIROSTOR Status: Active	N/A
1100 N HARBOR DR 1100 N HARBOR DR REDONDO BEACH, CA 90277	ERNS	N/A
1100 N. HARBOR DR 1100 N. HARBOR DR REDONDO BEACH, CA 90277	ERNS	N/A
1100 N HARBOR DR 1100 N HARBOR DR REDONDO BEACH, CA	ERNS	N/A
REDONDO GENERATING STATION 1100 NORTH HARBOR DRIVE REDONDO BEACH, CA 90277	NPDES SLIC CHMIRS ENF	N/A

EXECUTIVE SUMMARY

<p>AES REDONDO BEACH, ALONG HARBOR D AES REDONDO BEACH, ALONG HARBOR DRIVE 1100 NORTH HARBOR DR LOS ANGELES (County), CA</p>	<p>ERNS</p>	<p>N/A</p>
<p>AES REDONDO BEACH, LLC 1100 HARBOR DR REDONDO BEACH, CA</p>	<p>SWEEPS UST EMI</p>	<p>N/A</p>
<p>SCE - REDONDO GENERATING STATION 1100 HARBOR DR. REDONDO BEACH, CA</p>	<p>SLIC Facility Status: Open - Site Assessment</p>	<p>N/A</p>
<p>1100 N HARBOR DR # 2 1100 N HARBOR DR # 2 REDONDO BEACH, CA 90277</p>	<p>AST</p>	<p>N/A</p>
<p>SOUTHERN CALIFORNIA GAS COMPANY 1100 N HARBOR DR REDONDO BEACH, CA 90277</p>	<p>RCRA-SQG</p>	<p>CAR000198762</p>
<p>REDONDO GENERATING STATION 1100 N HARBOR DR REDONDO BEACH, CA 90277</p>	<p>WDS NPDES HIST UST LOS ANGELES CO. HMS HAZNET</p>	<p>N/A</p>
<p>REDONDO PUMP STATION 1100 N HARBOR DR REDONDO BEACH, CA 90277</p>	<p>HIST UST</p>	<p>N/A</p>
<p>AES REDONDO BEACH LLC 1100 N HARBOR DR REDONDO BEACH, CA 90277</p>	<p>WDS</p>	<p>N/A</p>
<p>A E S REDONDO BEACH L L C 1100 N HARBOR DRIVE REDONDO BEACH, CA 90277</p>	<p>HAZNET</p>	<p>N/A</p>
<p>TRANSFORMER TECHNOLOGY 1100 HARBOR DR REDONDO BEACH, CA 92077</p>	<p>HAZNET</p>	<p>N/A</p>
<p>AES REDONDO BEACH 1100 N HARBOR DR REDONDO BEACH, CA 90277</p>	<p>UST LOS ANGELES CO. HMS</p>	<p>N/A</p>

EXECUTIVE SUMMARY

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

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

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

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

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

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

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

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
WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
AOC CONCERN..... San Gabriel Valley Areas of Concern
CDL..... Clandestine Drug Labs
US HIST CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST..... Facility Inventory Database

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System
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

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators

EXECUTIVE SUMMARY

DOT OPS.....	Incident and Accident Data
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
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
CA BOND EXP. PLAN.....	Bond Expenditure Plan
LA Co. Site Mitigation.....	Site Mitigation List
DRYCLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
PCB TRANSFORMER.....	PCB Transformer Registration Database
PROC.....	Certified Processors Database
MWMP.....	Medical Waste Management Program Listing
COAL ASH DOE.....	Sleam-Electric Plan Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
HWT.....	Registered Hazardous Waste Transporter Database

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants.....	EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations.....	EDR Proprietary Historic Gas Stations
EDR Historical Cleaners.....	EDR Proprietary Historic Dry Cleaners

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.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 09/13/2011 has revealed that there are 6 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PARISIAN CLEANERS Status: Refer: 1248 Local Agency	400 DIAMOND ST	SE 1/2 - 1 (0.587 mi.)	44	102
1609-11 RIPLEY LANE Status: Refer: 1248 Local Agency	1609-11 RIPLEY LANE	NE 1/2 - 1 (0.702 mi.)	45	106
MICROTRONICS, INC Status: Refer: Other Agency	116 SOUTH CATALINA AVEN	SSE 1/2 - 1 (0.736 mi.)	46	107
CALIFORNIA DELTA BAKER Status: Refer: 1248 Local Agency	604-612 REYNOLDS LANE	NE 1/2 - 1 (0.801 mi.)	47	108
ADVANCED DESIGN & CONSTRUCTION Status: Refer: 1248 Local Agency	1740 CARLSON LANE	NE 1/2 - 1 (0.939 mi.)	48	109
REDONDO BEACH POLICE SHOOTING Status: Active	1513 BERYL STREET	ENE 1/2 - 1 (0.941 mi.)	49	110

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 09/19/2011 has revealed that there are 8 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US POSTAL SERVICE Status: Completed - Case Closed	1201 N CATALINA	ENE 1/8 - 1/4 (0.248 mi.)	C32	73
ISCO INDUSTRIES Status: Completed - Case Closed	540 001ST ST E	NNE 1/4 - 1/2 (0.275 mi.)	33	77
SWEETSER PROPERTY Status: Completed - Case Closed	507 GERTRUDA	ESE 1/4 - 1/2 (0.326 mi.)	34	79
GTE REDONDO BEACH CENTRAL Status: Completed - Case Closed	102 PACIFIC COAST HWY	NE 1/4 - 1/2 (0.410 mi.)	D36	82

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JEEP/EAGLE DEALERSHIP Status: Completed - Case Closed	125 PACIFIC COAST HWY	NE 1/4 - 1/2 (0.411 mi.)	D37	85
PACIFIC PORSCHE AUDI AND VW Status: Completed - Case Closed	199 PACIFIC COAST HIGHW	NNE 1/4 - 1/2 (0.444 mi.)	F41	91
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WEST GROUP CONSTRUCTION Status: Completed - Case Closed	260 PORTOFINO WY	S 1/4 - 1/2 (0.425 mi.)	E38	87
REDONDO BEACH MARINA Status: Completed - Case Closed	181 HARBOR	SSE 1/4 - 1/2 (0.460 mi.)	42	96

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

A review of the SLIC list, as provided by EDR, and dated 09/19/2011 has revealed that there are 2 SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRITON OIL & GAS - REDONDO BEA Facility Status: Completed - Case Closed	612 NORTH FRANCISCA AVE	ESE 1/8 - 1/4 (0.174 mi.)	B28	71
TRITON OIL & GAS CORP.	612 FRANCISCA	ESE 1/8 - 1/4 (0.175 mi.)	B29	71

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 09/19/2011 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US POSTAL SERVICE	1201 N CATALINA AVE	ENE 1/8 - 1/4 (0.248 mi.)	C31	73

ADDITIONAL ENVIRONMENTAL RECORDS

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.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
U.S. POSTAL SERVICE	1201 N CATALINA AVE	ENE 1/8 - 1/4 (0.248 mi.)	C30	71

EXECUTIVE SUMMARY

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

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>U.S. POSTAL SERVICE</i>	<i>1201 N CATALINA AVE</i>	<i>ENE 1/8 - 1/4 (0.248 mi.)</i>	<i>C30</i>	<i>71</i>

Other Ascertainable Records

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTATES].

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 7 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SWEETSER PROPERTY</i>	<i>507 GERTRUDA</i>	<i>ESE 1/4 - 1/2 (0.326 mi.)</i>	<i>34</i>	<i>79</i>
<i>REDONDO CENTRAL OFF.</i>	<i>102 PACIFIC COAST HIGHW</i>	<i>NE 1/4 - 1/2 (0.410 mi.)</i>	<i>D35</i>	<i>81</i>
<i>JEEP/EAGLE DEALERSHIP</i>	<i>125 PACIFIC COAST HWY</i>	<i>NE 1/4 - 1/2 (0.411 mi.)</i>	<i>D37</i>	<i>85</i>
<i>VASEK POLK PORSCHE-AUDO</i>	<i>199 PACIFIC COAST</i>	<i>NNE 1/4 - 1/2 (0.444 mi.)</i>	<i>F40</i>	<i>89</i>
<i>TOSCO S.S. #2947</i>	<i>247 PACIFIC COAST</i>	<i>NNE 1/4 - 1/2 (0.471 mi.)</i>	<i>43</i>	<i>101</i>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>PORTOFINO INN</i>	<i>260 PORTOFINO WAY</i>	<i>S 1/4 - 1/2 (0.425 mi.)</i>	<i>E39</i>	<i>89</i>
<i>REDONDO BEACH MARINA</i>	<i>181 HARBOR</i>	<i>SSE 1/4 - 1/2 (0.460 mi.)</i>	<i>42</i>	<i>96</i>

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there is 1 Notify 65 site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>REDONDO CENTRAL OFF.</i>	<i>102 PACIFIC COAST HIGHW</i>	<i>NE 1/4 - 1/2 (0.410 mi.)</i>	<i>D35</i>	<i>81</i>

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 21 records.

<u>Site Name</u>	<u>Database(s)</u>
EAGLE ENERGY CARDLOCK	HIST CORTESE
US POSTAL SERVICE	HIST CORTESE
NORTHROP GRUMMAN SPACE & MISSION S	HAZNET, ENVIROSTOR, HWP
REDONDO CLEANERS	RCRA-SQG, FINDS, DRYCLEANERS, HAZNET
TORRANCE LDFL	CERC-NFRAP
TORRANCE SUMP	SWF/LF
STA. 29-A HERMOSA REDONDO	HIST UST
CITY OF REDONDO BEACH FIRE DEPT	HAZNET
REDONDO SHORES CHIROPRACTIC	HAZNET
CITY OF REDONDO BEACH	HAZNET
CITY OF REDONDO BEACH OIL COLLECTI	HAZNET
CITY OF REDONDO BEACH OIL COLLECTI	HAZNET
CITY OF REDONDO BEACH	HAZNET
CITY REDONDO BEACH	HAZNET
CITY OF REDONDO BEACH	HAZNET
4000 REDONDO BEACH AVE	HMIRS
OFFSHORE OF REDONDO BEACH HARBOR	ERNS
REDONDO BEACH KING HARBOR	ERNS
REDONDO BEACH MOLE "B"	ERNS
REDONDO BEACH 45TH ST MANHATTAN BE	ERNS
VULCAN MATERIALS CO.	MINES

OVERVIEW MAP - 3199395.2s



★ 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

▣ Indian Reservations BIA

▬ County Boundary

▬ Oil & Gas pipelines from USGS

▨ 100-year flood zone

▨ 500-year flood zone

▨ National Wetland Inventory

▣ Areas of Concern

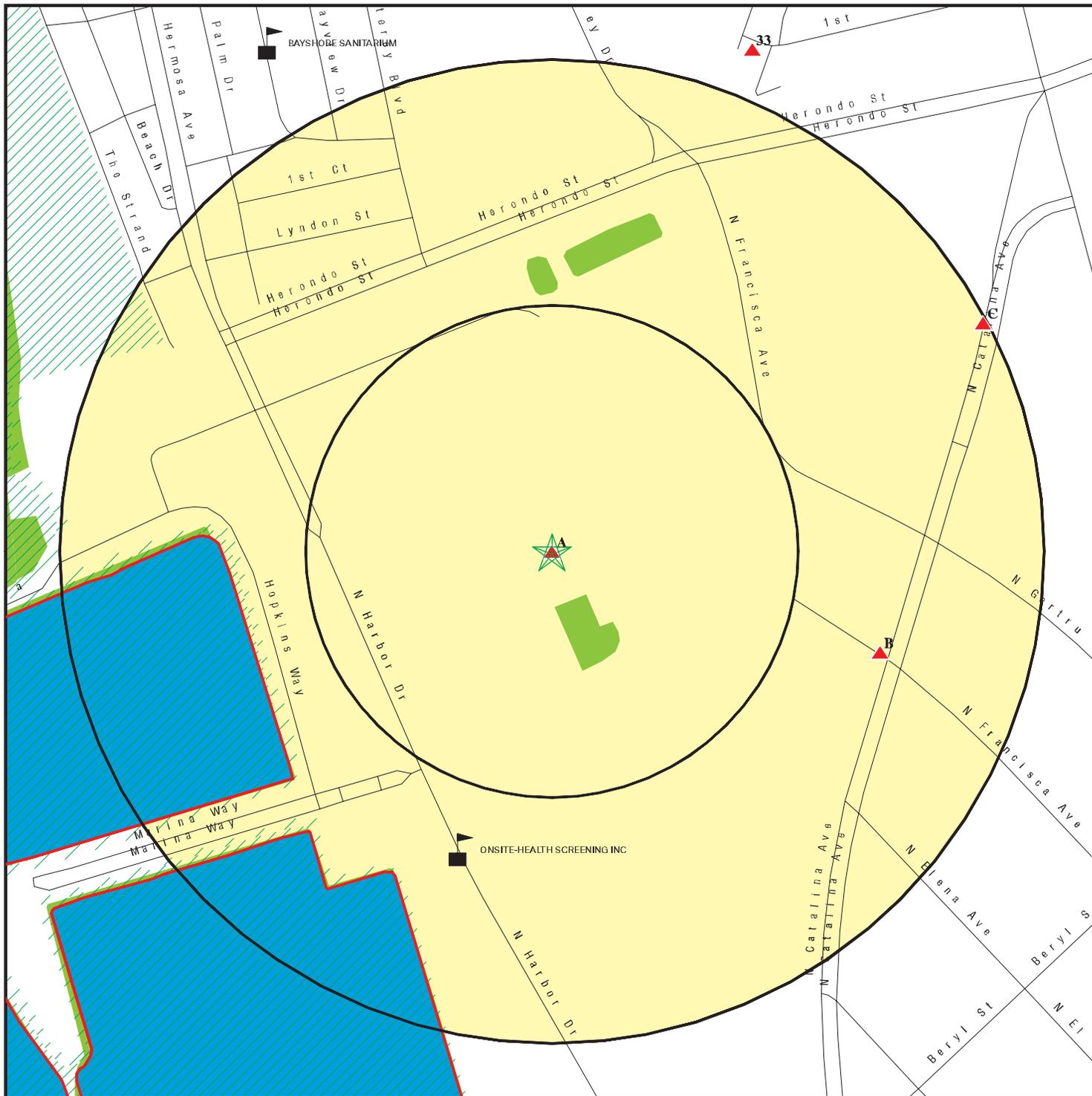


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: AES Redondo Plant
 ADDRESS: 1100 North Harbor Drive
 Redondo Beach CA 90277
 LAT/LONG: 33.8509 / 118.3945

CLIENT: Env. Management Strategies
 CONTACT: Mark Jirgal
 INQUIRY #: 3199395.2s
 DATE: November 03, 2011 11:48 am

DETAIL MAP - 3199395.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- ▨ National Priority List Sites
- ▨ Dept. Defense Sites

- 0 1/16 1/8 1/4 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: AES Redondo Plant
 ADDRESS: 1100 North Harbor Drive
 Redondo Beach CA 90277
 LAT/LONG: 33.8509 / 118.3945

CLIENT: Env. Management Strategies
 CONTACT: Mark Jirgal
 INQUIRY #: 3199395.2s
 DATE: November 03, 2011 11:49 am

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
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
<i>Federal Delisted NPL site list</i>								
Delisted NPL		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP		0.500	0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS		1.000	0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	X	0.250	0	0	NR	NR	NR	0
RCRA-SQG	X	0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	X	TP	NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	X	1.000	0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	X	1.000	0	0	0	6	NR	6
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF		0.500	0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST		0.500	0	1	7	NR	NR	8
SLIC	X	0.500	0	2	0	NR	NR	2

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		0.500	0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	X	0.250	0	1	NR	NR	NR	1
AST	X	0.250	0	0	NR	NR	NR	0
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
WMUDS/SWAT		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
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	X	1.000	0	0	0	0	NR	0
AOCONCERN		1.000	0	0	0	0	NR	0
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	0	0	NR	NR	NR	0
HIST UST	X	0.250	0	1	NR	NR	NR	1
SWEEPS UST	X	0.250	0	1	NR	NR	NR	1
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	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	X	TP	NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LDS		TP	NR	NR	NR	NR	NR	0
MCS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		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	0	NR	0
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
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	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN		1.000	0	0	0	0	NR	0
WDS	X	TP	NR	NR	NR	NR	NR	0
NPDES	X	TP	NR	NR	NR	NR	NR	0
Cortese	X	0.500	0	0	0	NR	NR	0
HIST CORTESE		0.500	0	0	7	NR	NR	7
Notify 65	X	1.000	0	0	1	0	NR	1
LA Co. Site Mitigation		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
LOS ANGELES CO. HMS	X	TP	NR	NR	NR	NR	NR	0
ENF	X	TP	NR	NR	NR	NR	NR	0
HAZNET	X	TP	NR	NR	NR	NR	NR	0
EMI	X	TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
HWP	X	1.000	0	0	0	0	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
PROC		0.500	0	0	0	NR	NR	0
MWMP		0.250	0	0	NR	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
HWT		0.250	0	0	NR	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants		1.000	0	0	0	0	NR	0
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1 **EPTC REDONDO**
Target **1100 HARBOR DR**
Property **REDONDO BEACH, CA 90277**

RCRA-SQG **1000167570**
FINDS **CAD000631093**
HAZNET
HWP

Site 1 of 27 in cluster A

Actual:
17 ft.

RCRA-SQG:

Date form received by agency: 03/04/1999
Facility name: EPTC REDONDO
Site name: REDONDO GENERATING STATION
Facility address: 1100 HARBOR DR.
 REDONDO BEACH, CA 90277
EPA ID: CAD000631093
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: 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

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
Facility name: EPTC REDONDO
Classification: Small Quantity Generator

Date form received by agency: 09/01/1996
Facility name: EPTC REDONDO
Classification: Large Quantity Generator

Date form received by agency: 02/27/1996
Facility name: EPTC REDONDO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPTC REDONDO (Continued)

1000167570

Site name: SOUTHERN CALIFORNIA EDISON
Classification: Large Quantity Generator

Date form received by agency: 03/29/1994
Facility name: EPTC REDONDO
Site name: REDONDO BEACH GENERATING STATION
Classification: Large Quantity Generator

Date form received by agency: 02/28/1992
Facility name: EPTC REDONDO
Site name: SCE/REDONDO GENERATOR STA.
Classification: Large Quantity Generator

Date form received by agency: 03/28/1990
Facility name: EPTC REDONDO
Site name: SO CALIF EDISON REDONDO GENERATIN
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 09/23/1993
Date achieved compliance: 02/01/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: FR - 264.220-230.K
Area of violation: TSD - General
Date violation determined: 09/23/1993
Date achieved compliance: 02/01/1995
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 02/01/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 326640
Paid penalty amount: 326640

Regulation violated: FR - 264.220-230.K
Area of violation: TSD - General
Date violation determined: 09/23/1993
Date achieved compliance: 02/01/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPTC REDONDO (Continued)

1000167570

Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: FR - 264.90-94.F
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 09/23/1993
Date achieved compliance: 02/01/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/23/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: FR - 264.90-94.F
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 09/23/1993
Date achieved compliance: 02/01/1995
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 02/01/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 326640
Paid penalty amount: 326640

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 09/23/1993
Date achieved compliance: 02/01/1995
Violation lead agency: State
Enforcement action: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement action date: 02/01/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 326640
Paid penalty amount: 326640

Evaluation Action Summary:

Evaluation date: 12/23/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/25/1993
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 02/01/1995

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPTC REDONDO (Continued)

1000167570

Evaluation lead agency: State

Evaluation date: 08/25/1993
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: TSD - General
Date achieved compliance: 02/01/1995
Evaluation lead agency: State

Evaluation date: 08/25/1993
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Generators - General
Date achieved compliance: 02/01/1995
Evaluation lead agency: State

FINDS:

Registry ID: 110014322170

Environmental Interest/Information System
Not reported

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.

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.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPTC REDONDO (Continued)

1000167570

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.

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.

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.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

HAZNET:

Year: 2008
Gepaid: CAD000631093
Contact: STAN MARSH SENIOR ENVIRON SPEC
Telephone: 6263029711
Mailing Name: Not reported
Mailing Address: PO BOX 800 GO-1 QUAD 3A
Mailing City,St,Zip: ROSEMEAD, CA 917700000
Gen County: Los Angeles
TSD EPA ID: CAD009007626
TSD County: Los Angeles
Waste Category: Asbestos containing waste
Disposal Method: LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons: 0.8
Facility County: Los Angeles

Year: 2008
Gepaid: CAD000631093
Contact: STAN MARSH SENIOR ENVIRON SPEC
Telephone: 6263029711
Mailing Name: Not reported
Mailing Address: PO BOX 800 GO-1 QUAD 3A
Mailing City,St,Zip: ROSEMEAD, CA 917700000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPTC REDONDO (Continued)

1000167570

Gen County: Los Angeles
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Waste Category: Polychlorinated biphenyls and material containing PCBs
Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
Tons: 60.048
Facility County: Los Angeles

Year: 1998
Gepaid: CAD000631093
Contact: SOUTHERN CALIFORNIA EDISON
Telephone: 6263021212
Mailing Name: Not reported
Mailing Address: ENVTL AFFAIRS RM 405 2244 WALNUT GRV AV
Mailing City,St,Zip: ROSEMEAD, CA 917700000
Gen County: Los Angeles
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Asbestos containing waste
Disposal Method: Not reported
Tons: .0500
Facility County: Los Angeles

Year: 1998
Gepaid: CAD000631093
Contact: SOUTHERN CALIFORNIA EDISON
Telephone: 6263021212
Mailing Name: Not reported
Mailing Address: ENVTL AFFAIRS RM 405 2244 WALNUT GRV AV
Mailing City,St,Zip: ROSEMEAD, CA 917700000
Gen County: Los Angeles
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: H01
Tons: .1000
Facility County: Los Angeles

Year: 1998
Gepaid: CAD000631093
Contact: SOUTHERN CALIFORNIA EDISON
Telephone: 6263021212
Mailing Name: Not reported
Mailing Address: ENVTL AFFAIRS RM 405 2244 WALNUT GRV AV
Mailing City,St,Zip: ROSEMEAD, CA 917700000
Gen County: Los Angeles
TSD EPA ID: CAT000646117
TSD County: Kings
Waste Category: Other inorganic solid waste
Disposal Method: D80
Tons: 2.9000
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access 95 additional CA_HAZNET: record(s) in the EDR Site Report.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EPTC REDONDO (Continued)

1000167570

HWP:
 EPA Id: CAD000631093
 Latitude: 33.852315
 Longitude: -118.397291
 Facility Type: HAZ WASTE - NON-OPERATING
 Cleanup Status: Not reported
 Region: SOUTHERN CALIFORNIA PERMITS AND CORRECTIVE ACTION
 Permit Maintenance Lead: Not reported
 Permit Renewal Lead: Not reported
 Corrective Action Lead: CHRISTINE BUCKLIN
 Supervisor: Not reported
 Site Code: 400442
 Assembly District: Not reported
 Senate District: Not reported
 Public Information Officer: Not reported
 Facility Status: Active Facility: RCRA units under closure - In response to a Final Judgment Pursuant to Stipulation (February 1, 1995), the Southern California Edison (SCE) performed the investigation and activities to close three wastewater retention basins that had operated without a permit or other form of authorization from the DTSC.
 Site History: Not reported

A2 1100 HARBOR DRIVE
Target 1100 HARBOR DRIVE
Property REDONDO BEACH, CA 90277

ERNS 2006792202
 N/A

Site 2 of 27 in cluster A

Actual: 17 ft. [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A3 SCE, REDONDO GENERATING STATION
Target 1100 HARBOR BLVD.
Property REDONDO BEACH, CA 90277

Toxic Pits S100925088
 N/A

Site 3 of 27 in cluster A

Actual: 17 ft. Toxic Pits:
 Region: 04
 Task #: 04014
 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A4
Target
Property
SOUTHERN CALIFORNIA GAS COMPANY
1100 N HARBOR DR FILTER OPERATOR UN
REDONDO BEACH, CA 90277

HAZNET **S111084831**
N/A

Site 4 of 27 in cluster A

Actual:
17 ft.

HAZNET:
Year: 2010
Gepaid: CAR000198762
Contact: JAMES T SCRUGGS
Telephone: 8586533104
Mailing Name: Not reported
Mailing Address: 6875 CONSOLIDATED WAY SD1373
Mailing City,St,Zip: SAN DIEGO, CA 921212602
Gen County: Not reported
TSD EPA ID: TXD055141378
TSD County: Not reported
Waste Category: Polychlorinated biphenyls and material containing PCBs
Disposal Method: Not reported
Tons: 0.30746
Facility County: Los Angeles

Year: 2010
Gepaid: CAR000198762
Contact: JAMES T SCRUGGS
Telephone: 8586533104
Mailing Name: Not reported
Mailing Address: 6875 CONSOLIDATED WAY SD1373
Mailing City,St,Zip: SAN DIEGO, CA 921212602
Gen County: Not reported
TSD EPA ID: TXD055141378
TSD County: Not reported
Waste Category: Polychlorinated biphenyls and material containing PCBs
Disposal Method: Not reported
Tons: 0.29313
Facility County: Los Angeles

A5
Target
Property
REDONDO BEACH G. S.
1100 HARBOR BOULEVARD
REDONDO BEACH, CA 90277

Notify 65 **S100177981**
N/A

Site 5 of 27 in cluster A

Actual:
17 ft.

Notify 65:
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Incident Description: 90277-2017

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

A6
Target
Property

EPTC-REDONDO
1100A HARBOR DR
REDONDO BEACH, CA 90277

FINDS **1008152597**
N/A

Site 6 of 27 in cluster A

Actual:
17 ft.

FINDS:

Registry ID: 110018959395

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.

A7
Target
Property

AES - REDONDO BEACH GENERATING STATION
1100A HARBOR DRIVE
REDONDO BEACH, CA 90277

Cortese **S110070079**
N/A

Site 7 of 27 in cluster A

Actual:
17 ft.

CORTESE:

Region: CORTESE
 Envirostor Id: 60001195
 Site/Facility Type: STATE RESPONSE
 Cleanup Status: ACTIVE
 Status Date: 02/01/1995
 Site Code: 400442
 Latitude: 33.849414
 Longitude: -118.39604
 Owner: Not reported
 Enf Type: Not reported
 Swat R: Not reported
 Flag: SUBSTANCE
 Order No: Not reported
 Waste Discharge System No: Not reported
 Effective Date: Not reported
 Region 2: Not reported
 WID Id: Not reported
 Solid Waste Id No: Not reported
 Waste Management Uit Name: Not reported

A8
Target
Property

AES REDONDO BEACH, L.L.C.
1100 N. HARBOR DRIVE
REDONDO BEACH, CA 90277

RCRA-LQG **1001217655**
HAZNET **CAR000038893**

Site 8 of 27 in cluster A

Actual:
17 ft.

RCRA-LQG:

Date form received by agency: 05/19/2010
 Facility name: AES REDONDO BEACH, L.L.C.
 Facility address: 1100 N. HARBOR DRIVE
 REDONDO BEACH, CA 90277
 EPA ID: CAR000038893
 Mailing address: N. HARBOR DRIVE
 REDONDO BEACH, CA 90277

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES REDONDO BEACH, L.L.C. (Continued)

1001217655

Contact: RANAE P LOVELAND
Contact address: N. HARBOR DRIVE
REDONDO BEACH, CA 90277
Contact country: Not reported
Contact telephone: (310) 318-7418
Contact email: RANAE.LOVELAND@AES.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: 1100 N. HARBOR DRIVE
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: 05/15/1998
Owner/Op end date: Not reported

Owner/operator name: AES REDONDO BEACH
Owner/operator address: N. HARBOR DRIVE
REDONDO BEACH, CA 90277

Owner/operator country: Not reported
Owner/operator telephone: (310) 318-7418
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/15/1998
Owner/Op end date: Not reported

Owner/operator name: AES CORP
Owner/operator address: Not reported
Not reported

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/16/1998
Owner/Op end date: Not reported

Owner/operator name: AES REDONDO BEACH
Owner/operator address: Not reported
Not reported
Owner/operator country: US

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES REDONDO BEACH, L.L.C. (Continued)

1001217655

Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/16/2000
Owner/Op end date: Not reported

Owner/operator name: A E S REDONDO BEACH L L C
Owner/operator address: 44 MONTGOMERY ST STE 3450
SAN FRANCISCO, CA 94104

Owner/operator country: Not reported
Owner/operator telephone: (415) 395-7892
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: 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: 02/26/2002
Facility name: AES REDONDO BEACH, L.L.C.
Site name: AES REDONDO BEACH, LLC
Classification: Small Quantity Generator

Date form received by agency: 02/26/2002
Facility name: AES REDONDO BEACH, L.L.C.
Site name: AES REDONDO BEACH, LLC
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Facility name: AES REDONDO BEACH, L.L.C.
Classification: Large Quantity Generator

Date form received by agency: 04/03/1998
Facility name: AES REDONDO BEACH, L.L.C.
Site name: A E S REDONDO BEACH L L C
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES REDONDO BEACH, L.L.C. (Continued)

1001217655

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-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: 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 PENSKEY-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: 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES REDONDO BEACH, L.L.C. (Continued)

1001217655

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.

Biennial Reports:

Last Biennial Reporting Year: 2011

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 PENSKEY-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
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): 456.5

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 342801.7

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 11/16/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES REDONDO BEACH, L.L.C. (Continued)

1001217655

HAZNET:

Year: 2002
Gepaid: CAR000038893
Contact: R LOVELAND, STATION SUPPORT
Telephone: 3103187418
Mailing Name: Not reported
Mailing Address: 1100 N HARBOR DRIVE
Mailing City,St,Zip: REDONDO BEACH, CA 902770000
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: 99
Waste Category: Polychlorinated biphenyls and material containing PCBs
Disposal Method: R01
Tons: 2.00
Facility County: Not reported

Year: 2002
Gepaid: CAR000038893
Contact: R LOVELAND, STATION SUPPORT
Telephone: 3103187418
Mailing Name: Not reported
Mailing Address: 1100 N HARBOR DRIVE
Mailing City,St,Zip: REDONDO BEACH, CA 902770000
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Liquids with pH <= 2
Disposal Method: R01
Tons: 0.09
Facility County: Not reported

Year: 2002
Gepaid: CAR000038893
Contact: R LOVELAND, STATION SUPPORT
Telephone: 3103187418
Mailing Name: Not reported
Mailing Address: 1100 N HARBOR DRIVE
Mailing City,St,Zip: REDONDO BEACH, CA 902770000
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Pharmaceutical waste
Disposal Method: H01
Tons: 0.02
Facility County: Not reported

Year: 2002
Gepaid: CAR000038893
Contact: R LOVELAND, STATION SUPPORT
Telephone: 3103187418
Mailing Name: Not reported
Mailing Address: 1100 N HARBOR DRIVE
Mailing City,St,Zip: REDONDO BEACH, CA 902770000
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Laboratory waste chemicals

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES REDONDO BEACH, L.L.C. (Continued)

1001217655

Disposal Method: H01
Tons: 0.00
Facility County: Not reported

Year: 2002
Gepaid: CAR000038893
Contact: R LOVELAND, STATION SUPPORT
Telephone: 3103187418
Mailing Name: Not reported
Mailing Address: 1100 N HARBOR DRIVE
Mailing City,St,Zip: REDONDO BEACH, CA 902770000
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Asbestos containing waste
Disposal Method: D80
Tons: 1.68
Facility County: Not reported

[Click this hyperlink](#) while viewing on your computer to access 81 additional CA_HAZNET: record(s) in the EDR Site Report.

A9
Target 1100 NORTH HARBOR DRIVE
Property 1100 NORTH HARBOR DRIVE
REDONDO BEACH, CA 90277

ERNS 2009923233
N/A

Site 9 of 27 in cluster A

Actual: 17 ft. [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A10
Target SOUTHERN CALIFORNIA GAS COMPANY
Property 1100 N HARBOR DR
REDONDO BEACH, CA 90277

FINDS 1012107021
N/A

Site 10 of 27 in cluster A

Actual: 17 ft. FINDS:
Registry ID: 110038890091

Environmental Interest/Information System

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)
EDR ID Number
EPA ID Number

A11
Target 1100 HARBOR DR.
Property REDONDO BEACH, CA 90277

CHMIRS S109035602
N/A

Site 11 of 27 in cluster A

Actual:
17 ft.

CHMIRS:
OES Incident Number: 06-1829
OES notification: 3/28/2006 01:05:39 PM
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
Special Studies 1: Not reported
Special Studies 2: Not reported
Special Studies 3: Not reported
Special Studies 4: Not reported
Special Studies 5: Not reported
Special Studies 6: 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
Comments: Not reported
Facility Telephone: Not reported
Waterway Involved: Not reported
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Contractor
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 2006
Agency: AES Redondo Beach
Incident Date: 3/28/2006 12:00:00 AM
Admin Agency: Redondo Beach Fire Department
Amount: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

S109035602

Contained: Yes
 Site Type: Utilities/Substation
 E Date: Not reported
 Substance: #6 Fuel Oil
 Quantity Released: Not reported
 BBLS: 0
 Cups: 0
 CUFT: 0
 Gallons: 200
 Grams: 0
 Pounds: 0
 Liters: 0
 Ounces: 0
 Pints: 0
 Quarts: 0
 Sheen: 0
 Tons: 0
 Unknown: 0
 Evacuations: 0
 Number of Injuries: 0
 Number of Fatalities: 0
 Description: When the old supply line was cut, to demolish the storage tank, substance was released.

A12 **AES - REDONDO BEACH GENERATING STATION**
Target **1100A HARBOR DRIVE**
Property **REDONDO BEACH, CA 90277**

RESPONSE **S110042466**
ENVIROSTOR **N/A**

Site 12 of 27 in cluster A

Actual:
17 ft.

RESPONSE:
 Facility ID: 60001195
 Site Type: State Response
 Site Type Detail: State Response or NPL
 Acres: 52
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP
 Lead Agency: NONE SPECIFIED
 Lead Agency Description: Not reported
 Project Manager: STEVEN ROUNDS
 Supervisor: Allan Plaza
 Division Branch: Cleanup Chatsworth
 Site Code: 400442
 Site Mgmt. Req.: NONE SPECIFIED
 Assembly: 54
 Senate: 28
 Special Program Status: Not reported
 Status: Active
 Status Date: 02/01/1995
 Restricted Use: NO
 Funding: Responsible Party
 Latitude: 33.84941
 Longitude: -118.3960
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES - REDONDO BEACH GENERATING STATION (Continued)

S110042466

Alias Name: CAD000631093
Alias Type: EPA Identification Number
Alias Name: 400442
Alias Type: Project Code (Site Code)
Alias Name: 60001195
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: RCRA Surface Impoundments
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2010-03-29 00:00:00
Comments: No comment; document received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 2010-01-19 00:00:00
Comments: Not reported

Completed Area Name: RCRA Surface Impoundments
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2010-05-31 00:00:00
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Investigation / Feasibility Study
Future Due Date: 2013
Schedule Area Name: RCRA Surface Impoundments
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Plan
Schedule Due Date: 2011-11-12 00:00:00
Schedule Revised Date: Not reported

ENVIROSTOR:

Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 52
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: NONE SPECIFIED
Program Manager: STEVEN ROUNDS
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Facility ID: 60001195
Site Code: 400442
Assembly: 54
Senate: 28
Special Program: Not reported
Status: Active
Status Date: 02/01/1995
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.84941

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES - REDONDO BEACH GENERATING STATION (Continued)

S110042466

Longitude: -118.3960
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD000631093
Alias Type: EPA Identification Number
Alias Name: 400442
Alias Type: Project Code (Site Code)
Alias Name: 60001195
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: RCRA Surface Impoundments
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2010-03-29 00:00:00
Comments: No comment; document received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 2010-01-19 00:00:00
Comments: Not reported

Completed Area Name: RCRA Surface Impoundments
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 2010-05-31 00:00:00
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Investigation / Feasibility Study
Future Due Date: 2013
Schedule Area Name: RCRA Surface Impoundments
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Plan
Schedule Due Date: 2011-11-12 00:00:00
Schedule Revised Date: Not reported

A13 1100 N HARBOR DR
Target 1100 N HARBOR DR
Property REDONDO BEACH, CA 90277

ERNS 91466730
N/A

Site 13 of 27 in cluster A

Actual:
17 ft.

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

MAP FINDINGS

Map ID Direction Distance Elevation		Database(s)	EDR ID Number EPA ID Number
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A14	1100 N. HARBOR DR	ERNS	91220199
Target	1100 N. HARBOR DR		N/A
Property	REDONDO BEACH, CA 90277		

Site 14 of 27 in cluster A

Actual: 17 ft. [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A15	1100 N HARBOR DR	ERNS	91219006
Target	1100 N HARBOR DR		N/A
Property	REDONDO BEACH, CA		

Site 15 of 27 in cluster A

Actual: 17 ft. [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A16	REDONDO GENERATING STATION	NPDES	S104404832
Target	1100 NORTH HARBOR DRIVE	SLIC	N/A
Property	REDONDO BEACH, CA 90277	CHMIRS	
		ENF	

Site 16 of 27 in cluster A

Actual: 17 ft.

NPDES:	
Npdes Number:	CA0001201
Facility Status:	Active
Agency Id:	870
Region:	4
Regulatory Measure Id:	148239
Order No:	00-085
Regulatory Measure Type:	NPDES Permits
Place Id:	253953
WDID:	4B192111003
Program Type:	NPDES
Adoption Date Of Regulatory Measure:	06/29/2000
Effective Date Of Regulatory Measure:	06/29/2000
Expiration Date Of Regulatory Measure:	01/01/2011
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	AES Redondo Beach, LLC
Discharge Address:	1100 North Harbor Drive
Discharge City:	Redondo Beach
Discharge State:	CA
Discharge Zip:	90277

SLIC REG 4:

Region:	4
Facility Status:	Site Assessment
SLIC:	0710B
Substance:	TPH
Staff:	TTW

CHMIRS:

OES Incident Number:	98-1006
OES notification:	2/25/199809:00:03 AM
OES Date:	Not reported
OES Time:	Not reported
Incident Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

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
Special Studies 1:	Not reported
Special Studies 2:	Not reported
Special Studies 3:	Not reported
Special Studies 4:	Not reported
Special Studies 5:	Not reported
Special Studies 6:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agency 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
Comments:	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:	1998
Agency:	Southern Cal Edison
Incident Date:	2/6/199812:00:00 AM
Admin Agency:	Redondo Beach Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Utilities/Substation
E Date:	Not reported
Substance:	low pore point fuel oil
Quantity Released:	Not reported
BBLs:	0
Cups:	0
CUFT:	0
Gallons:	0.000000
Grams:	0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

Pounds: 0
Liters: 0
Ounces: 0
Pints: 0
Quarts: 0
Sheen: 0
Tons: 0
Unknown: 0
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
Description: During samplings of a fuel oil tank a release was discovered under the tank, the exact amount released is still under investigation. Samples in the basin around the tank do not reveal any additional release.

OES Incident Number: '10-1053
OES notification: 2/9/2010 6:26:00 PM
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
Special Studies 1: Not reported
Special Studies 2: Not reported
Special Studies 3: Not reported
Special Studies 4: Not reported
Special Studies 5: Not reported
Special Studies 6: Not reported
More Than Two Substances Involved?: Not reported
Resp Agency 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
Comments: Not reported
Facility Telephone: Not reported
Waterway Involved: Yes
Waterway: Storm drain
Spill Site: Industrial Plant
Cleanup By: Reporting Party

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Qt.(s)
Other:	Not reported
Date/Time:	1704
Year:	2010
Agency:	AES Redondo Beach
Incident Date:	2/9/2010
Admin Agency:	Redondo Beach Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Storm drain
E Date:	Not reported
Substance:	Rainbow Sheen
Quantity Released:	1
BBLs:	Not reported
Cups:	Not reported
CUFT:	Not reported
Gallons:	Not reported
Grams:	Not reported
Pounds:	Not reported
Liters:	Not reported
Ounces:	Not reported
Pints:	Not reported
Quarts:	Not reported
Sheen:	Not reported
Tons:	Not reported
Unknown:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
Description:	Per. NRC report: Caller is reporting a type of oil that came from a generator that was being used in the production of a movie. Caller states that the oil traveled down the street and into a storm drain. Caller reports that cleanup has been initiated. Absorbants and booms applied and release secured. The fire dept. was on scene and were satisfied with the clean up process.

ENF:

Region:	4
Facility Id:	253953
Agency Name:	AES Redondo Beach, LLC
Place Type:	Facility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.8509549
Place Longitude:	-118.39652
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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

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:	898
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Designated process waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDES
# Of Programs:	1
WDID:	4B192111003
Reg Measure Id:	148239
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-085
Npdes# CA#:	CA0001201
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:	07/07/2011
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2011
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):	254613
Region:	4
Order / Resolution Number:	R4-2004-0159
Enforcement Action Type:	Admin Civil Liability
Effective Date:	11/01/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/01/2004
ACL Issuance Date:	11/01/2004
EPL Issuance Date:	Not reported
Status:	Historical
Title:	MMPC R4-2004-0159 AES Redondo Beach, LLC, Redondo Generating Station (11/01/04)
Description:	Mandatory Minimum Penalty Complaint R4-2004-0159 for \$60,000 issued

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

11/1/04 for 21 effluent violations. If discharger waives hearing,
either Pay \$60,000 to CAA, or Pay \$22,500 to CAA & fund a \$37,500 SE

Program: NPDES
Latest Milestone Completion Date: 12/01/2004
Of Programs1: 1
Total Assessment Amount: 60000
Initial Assessed Amount: 0
Liability \$ Amount: 22500
Project \$ Amount: 0
Liability \$ Paid: 22500
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 60000

Region: 4
Facility Id: 253953
Agency Name: AES Redondo Beach, LLC
Place Type: Facility
Place Subtype: Power Plant
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 33.8509549
Place Longitude: -118.39652
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: 898
Threat To Water Quality: 1
Complexity: A
Pretreatment: X - Facility is not a POTW
Facility Waste Type: Designated process waste
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: NPDES
Of Programs: 1
WDID: 4B192111003
Reg Measure Id: 148239
Reg Measure Type: NPDES Permits
Region: 4
Order #: 00-085
Npdes# CA#: CA0001201
Major-Minor: Major
Npdes Type: OTH
Reclamation: N - No
Dredge Fill Fee: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

301H:	N
Application Fee Amt Received:	20000
Status:	Active
Status Date:	07/07/2011
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2011
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):	253472
Region:	4
Order / Resolution Number:	R4-2004-0127
Enforcement Action Type:	Admin Civil Liability
Effective Date:	10/01/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	11/04/2004
ACL Issuance Date:	10/01/2004
EPL Issuance Date:	Not reported
Status:	Historical
Title:	MMPC R4-2004-0127 AES Redondo Beach, LLC, Redondo Generating Station
Description:	Mandatory Migden Penalty Complaint R4-2004-0127 for \$51,000 issued 10/1/04 for 18 permit effluent violations.
Program:	NPDES
Latest Milestone Completion Date:	11/04/2004
# Of Programs1:	1
Total Assessment Amount:	51000
Initial Assessed Amount:	0
Liability \$ Amount:	18000
Project \$ Amount:	0
Liability \$ Paid:	18000
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	51000
Region:	4
Facility Id:	253953
Agency Name:	AES Redondo Beach, LLC
Place Type:	Facility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.8509549
Place Longitude:	-118.39652
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

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:	898
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Designated process waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDES
# Of Programs:	1
WDID:	4B192111003
Reg Measure Id:	148239
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-085
Npdes# CA#:	CA0001201
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:	07/07/2011
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2011
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):	252683
Region:	4
Order / Resolution Number:	NOV (revised)
Enforcement Action Type:	Notice of Violation
Effective Date:	06/23/2004
Adoption/Issuance Date:	06/23/2004
Achieve Date:	Not reported
Termination Date:	07/23/2004
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical

Map ID
 Direction
 Distance
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

Title:	NOV (revised) AES Redondo Beach, LLC, Redondo Generating Station
Description:	Revised Notice of Violation sent 6/23/04 for 18 permit effluent violations & 523 reporting deficiencies.
Program:	NPDES
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	4
Facility Id:	253953
Agency Name:	AES Redondo Beach, LLC
Place Type:	Facility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.8509549
Place Longitude:	-118.39652
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:	898
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Designated process waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDES
# Of Programs:	1
WDID:	4B192111003
Reg Measure Id:	148239
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-085
Npdes# CA#:	CA0001201
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000
Status:	Active
Status Date:	07/07/2011
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2011
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):	252374
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	04/06/2004
Adoption/Issuance Date:	04/06/2004
Achieve Date:	Not reported
Termination Date:	06/22/2004
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV - AES Redondo Beach, LLC, Redondo Generating Station (04/06/04)
Description:	Notice of Violation sent 4/6/04 for 18 permit effluent violations & numerous reporting deficiencies.
Program:	NPDES
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	4
Facility Id:	253953
Agency Name:	AES Redondo Beach, LLC
Place Type:	Facility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.8509549
Place Longitude:	-118.39652
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

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:	898
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Designated process waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDES
# Of Programs:	1
WDID:	4B192111003
Reg Measure Id:	148239
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-085
Npdes# CA#:	CA0001201
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:	07/07/2011
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2011
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):	236793
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	07/25/2001
Adoption/Issuance Date:	07/25/2001
Achieve Date:	Not reported
Termination Date:	08/25/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

Status:	Historical
Title:	NOV - AES Redondo Beach, LLC, Redondo Generating Station (07/25/01)
Description:	Notice of Violation sent 7/25/01 for numerous effluent violations & DMR reporting deficiencies.
Program:	NPDES
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	4
Facility Id:	253953
Agency Name:	AES Redondo Beach, LLC
Place Type:	Facility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.8509549
Place Longitude:	-118.39652
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:	898
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Designated process waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDES
# Of Programs:	1
WDID:	4B192111003
Reg Measure Id:	148239
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-085
Npdes# CA#:	CA0001201
Major-Minor:	Major
Npdes Type:	OTH

Map ID
 Direction
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 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000
Status:	Active
Status Date:	07/07/2011
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2011
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):	235547
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	05/14/2001
Adoption/Issuance Date:	05/14/2001
Achieve Date:	Not reported
Termination Date:	06/14/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV - AES Redondo Beach, LLC, Redondo Generating Station (05/14/01)
Description:	Notice of Violation sent 5/14/01 for 5 effluent violations & numerous reporting deficiencies.
Program:	NPDES
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	4
Facility Id:	253953
Agency Name:	AES Redondo Beach, LLC
Place Type:	Facility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.8509549
Place Longitude:	-118.39652
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

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:	898
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Designated process waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDES
# Of Programs:	1
WDID:	4B192111003
Reg Measure Id:	148239
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-085
Npdes# CA#:	CA0001201
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:	07/07/2011
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2011
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):	235475
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	04/12/2001
Adoption/Issuance Date:	04/12/2001
Achieve Date:	Not reported
Termination Date:	05/12/2001
ACL Issuance Date:	Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV - AES Redondo Beach, LLC, Redondo Generating Station (04/12/01)
Description:	Notice of Violation sent 4/12/01 for numerous effluent violations & DMR deficiencies.
Program:	NPDES
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	4
Facility Id:	253953
Agency Name:	AES Redondo Beach, LLC
Place Type:	Facility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.8509549
Place Longitude:	-118.39652
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:	898
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Designated process waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDES
# Of Programs:	1
WDID:	4B192111003
Reg Measure Id:	148239
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-085
Npdes# CA#:	CA0001201
Major-Minor:	Major

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000
Status:	Active
Status Date:	07/07/2011
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2011
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):	227640
Region:	4
Order / Resolution Number:	Oral Communication
Enforcement Action Type:	Oral Communication
Effective Date:	11/07/1999
Adoption/Issuance Date:	11/07/1999
Achieve Date:	Not reported
Termination Date:	11/07/1999
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Communication - AES Redondo Beach, LLC, Redondo Generating Station
Description:	Board staff contacted discharger by phone.
Program:	NPDES
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	4
Facility Id:	253953
Agency Name:	AES Redondo Beach, LLC
Place Type:	Facility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.8509549
Place Longitude:	-118.39652
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

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:	898
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Designated process waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDES
# Of Programs:	1
WDID:	4B192111003
Reg Measure Id:	148239
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-085
Npdes# CA#:	CA0001201
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:	07/07/2011
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2011
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):	354723
Region:	4
Order / Resolution Number:	R4-2008-0094-M
Enforcement Action Type:	Expedited Payment Letter
Effective Date:	10/20/2008
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/05/2008
ACL Issuance Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

EPL Issuance Date: 10/20/2008
Status: Withdrawn
Title: Expedited Settlement Ltr sent 10/20/08 for 2 effluent limit violations.
Description: Expedited Settlement Ltr sent 10/20/08 for 2 effluent limit violations. MMP amt for 1 eligible effluent violation: \$3,000 to CAA.
Program: NPDES
Latest Milestone Completion Date: 12/05/2008
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

Region: 4
Facility Id: 253953
Agency Name: AES Redondo Beach, LLC
Place Type: Facility
Place Subtype: Power Plant
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 33.8509549
Place Longitude: -118.39652
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: 898
Threat To Water Quality: 1
Complexity: A
Pretreatment: X - Facility is not a POTW
Facility Waste Type: Designated process waste
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: NPDES
Of Programs: 1
WDID: 4B192111003
Reg Measure Id: 148239
Reg Measure Type: NPDES Permits
Region: 4
Order #: 00-085
Npdes# CA#: CA0001201
Major-Minor: Major

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

Npdes Type: OTH
Reclamation: N - No
Dredge Fill Fee: Not reported
301H: N
Application Fee Amt Received: 20000
Status: Active
Status Date: 07/07/2011
Effective Date: 06/29/2000
Expiration/Review Date: 01/01/2011
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): 343734
Region: 4
Order / Resolution Number: R4-2007-0053-S
Enforcement Action Type: Admin Civil Liability
Effective Date: 11/02/2007
Adoption/Issuance Date: 11/02/2007
Achieve Date: Not reported
Termination Date: 11/09/2007
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: Settlement Agreement Offer sent 11/2/07 for \$15,000 for 7/11/07 NOV.
Description: Early Settlement Agreement offer sent 11/2/07 for \$15,000 for 5 effluent violations cited in 7/11/07 NOV.
Program: NPDES
Latest Milestone Completion Date: 11/09/2007
Of Programs1: 1
Total Assessment Amount: 15000
Initial Assessed Amount: 15000
Liability \$ Amount: 15000
Project \$ Amount: 0
Liability \$ Paid: 15000
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 15000
Region: 4
Facility Id: 253953
Agency Name: AES Redondo Beach, LLC
Place Type: Facility
Place Subtype: Power Plant
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 33.8509549
Place Longitude: -118.39652
SIC Code 1: 4911
SIC Desc 1: Electric Services

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

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:	898
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Designated process waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDES
# Of Programs:	1
WDID:	4B192111003
Reg Measure Id:	148239
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-085
Npdes# CA#:	CA0001201
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:	07/07/2011
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2011
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):	332276
Region:	4
Order / Resolution Number:	NOV (revised)
Enforcement Action Type:	Notice of Violation
Effective Date:	07/11/2007
Adoption/Issuance Date:	07/11/2007
Achieve Date:	Not reported
Termination Date:	08/11/2007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV (revised) AES Redondo Beach, LLC, Redondo Generating Station
Description:	NOV (revised) sent 7/11/07 for 2 effluent violations (Cu & Zn) & 1 missing analysis (LVW pH).
Program:	NPDES
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	4
Facility Id:	253953
Agency Name:	AES Redondo Beach, LLC
Place Type:	Facility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.8509549
Place Longitude:	-118.39652
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:	898
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Designated process waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDES
# Of Programs:	1
WDID:	4B192111003
Reg Measure Id:	148239
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-085
Npdes# CA#:	CA0001201

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

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:	07/07/2011
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2011
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):	324621
Region:	4
Order / Resolution Number:	NOV
Enforcement Action Type:	Notice of Violation
Effective Date:	04/11/2007
Adoption/Issuance Date:	04/11/2007
Achieve Date:	Not reported
Termination Date:	07/10/2007
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV - AES Redondo Beach, LLC, Redondo Generating Station (04/11/07)
Description:	NOV sent 4/11/07 for 2 effluent violations & 7 reporting violations.
Program:	NPDES
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	4
Facility Id:	253953
Agency Name:	AES Redondo Beach, LLC
Place Type:	Facility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.8509549
Place Longitude:	-118.39652
SIC Code 1:	4911
SIC Desc 1:	Electric Services

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

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:	898
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Designated process waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDES
# Of Programs:	1
WDID:	4B192111003
Reg Measure Id:	148239
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-085
Npdes# CA#:	CA0001201
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:	07/07/2011
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2011
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):	297009
Region:	4
Order / Resolution Number:	NOV (revised)
Enforcement Action Type:	Notice of Violation
Effective Date:	08/01/2005
Adoption/Issuance Date:	08/01/2005
Achieve Date:	Not reported
Termination Date:	09/01/2005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV (revised) AES Redondo Beach, LLC, Redondo Generating Station (8/1/05)
Description:	Revised NOV sent 8/1/05 for 4 effluent limit violations of Order 00-085. 160 reporting violations were rescinded because discharger did not chlorinate the discharge during the subject months.
Program:	NPDES
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Region:	4
Facility Id:	253953
Agency Name:	AES Redondo Beach, LLC
Place Type:	Facility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.8509549
Place Longitude:	-118.39652
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:	898
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Designated process waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDES
# Of Programs:	1
WDID:	4B192111003
Reg Measure Id:	148239
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-085

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

Npdes# CA#: CA0001201
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: 07/07/2011
Effective Date: 06/29/2000
Expiration/Review Date: 01/01/2011
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): 261486
Region: 4
Order / Resolution Number: NOV
Enforcement Action Type: Notice of Violation
Effective Date: 07/01/2005
Adoption/Issuance Date: 07/01/2005
Achieve Date: Not reported
Termination Date: 08/01/2005
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: NOV - AES Redondo Beach, LLC, Redondo Generating Station (01/12/06)
Description: NOV sent 7/1/05 for 4 effluent limit violations & 160 reporting violations of Order No. 00-085

Program: NPDES
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

Region: 4
Facility Id: 253953
Agency Name: AES Redondo Beach, LLC
Place Type: Facility
Place Subtype: Power Plant
Facility Type: Industrial
Agency Type: Privately-Owned Business
Of Agencies: 1
Place Latitude: 33.8509549
Place Longitude: -118.39652

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

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:	898
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Designated process waste
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	NPDES
# Of Programs:	1
WDID:	4B192111003
Reg Measure Id:	148239
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-085
Npdes# CA#:	CA0001201
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:	07/07/2011
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2011
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):	219878
Region:	4
Order / Resolution Number:	R4-1985-0401
Enforcement Action Type:	Admin Civil Liability
Effective Date:	08/21/1985
Adoption/Issuance Date:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

REDONDO GENERATING STATION (Continued)

S104404832

Achieve Date:	Not reported
Termination Date:	09/21/1985
ACL Issuance Date:	08/21/1985
EPL Issuance Date:	Not reported
Status:	Historical
Title:	ACLC 85-401 AES Redondo Beach, LLC, Redondo Generating Station (08/21/85)
Description:	VIOLATION OF EFFLUENT LIMITS.
Program:	NPDES
Latest Milestone Completion Date:	12/01/2003
# Of Programs1:	1
Total Assessment Amount:	10000
Initial Assessed Amount:	0
Liability \$ Amount:	10000
Project \$ Amount:	0
Liability \$ Paid:	10000
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	10000

**A17
 Target
 Property**

**AES REDONDO BEACH, ALONG HARBOR DRIVE 1100 NORTH HARBOR DR
 AES REDONDO BEACH, ALONG HARBOR DRIVE 1100 NORTH HARBOR DR
 LOS ANGELES (County), CA**

**ERNS 2010930915
 N/A**

Site 17 of 27 in cluster A

**Actual:
 17 ft.**

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

**A18
 Target
 Property**

**AES REDONDO BEACH, LLC
 1100 HARBOR DR
 REDONDO BEACH, CA**

**SWEEPS UST S103489172
 EMI N/A**

Site 18 of 27 in cluster A

**Actual:
 17 ft.**

SWEEPS UST:

Status:	A
Comp Number:	12370
Number:	9
Board Of Equalization:	44-007438
Ref Date:	06-30-89
Act Date:	Not reported
Created Date:	06-30-89
Tank Status:	A
Owner Tank Id:	Not reported
Swrcb Tank Id:	19-000-012370-000001
Actv Date:	06-30-89
Capacity:	Not reported
Tank Use:	UNKNOWN
Stg:	W
Content:	Not reported
Number Of Tanks:	2

Status:	A
Comp Number:	12370
Number:	9
Board Of Equalization:	44-007438
Ref Date:	06-30-89
Act Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES REDONDO BEACH, LLC (Continued)

S103489172

Created Date: 06-30-89
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-000-012370-000002
Actv Date: 06-30-89
Capacity: Not reported
Tank Use: UNKNOWN
Stg: W
Content: Not reported
Number Of Tanks: Not reported

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 14052
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 220
Reactive Organic Gases Tons/Yr: 96
Carbon Monoxide Emissions Tons/Yr: 363
NOX - Oxides of Nitrogen Tons/Yr: 2593
SOX - Oxides of Sulphur Tons/Yr: 26
Particulate Matter Tons/Yr: 61
Part. Matter 10 Micrometers & Smlr Tons/Yr: 61

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 14052
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 96
Reactive Organic Gases Tons/Yr: 42
Carbon Monoxide Emissions Tons/Yr: 160
NOX - Oxides of Nitrogen Tons/Yr: 930
SOX - Oxides of Sulphur Tons/Yr: 9
Particulate Matter Tons/Yr: 27
Part. Matter 10 Micrometers & Smlr Tons/Yr: 27

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 14052
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 353
Reactive Organic Gases Tons/Yr: 156

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES REDONDO BEACH, LLC (Continued)

S103489172

Carbon Monoxide Emissions Tons/Yr:	229
NOX - Oxides of Nitrogen Tons/Yr:	991
SOX - Oxides of Sulphur Tons/Yr:	13
Particulate Matter Tons/Yr:	38
Part. Matter 10 Micrometers & Smlr Tons/Yr:	38
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	14052
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	50
Reactive Organic Gases Tons/Yr:	22
Carbon Monoxide Emissions Tons/Yr:	190
NOX - Oxides of Nitrogen Tons/Yr:	247
SOX - Oxides of Sulphur Tons/Yr:	11
Particulate Matter Tons/Yr:	32
Part. Matter 10 Micrometers & Smlr Tons/Yr:	32
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	14052
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	48
Reactive Organic Gases Tons/Yr:	24
Carbon Monoxide Emissions Tons/Yr:	181
NOX - Oxides of Nitrogen Tons/Yr:	391
SOX - Oxides of Sulphur Tons/Yr:	10
Particulate Matter Tons/Yr:	30
Part. Matter 10 Micrometers & Smlr Tons/Yr:	30
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	14052
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	51
Reactive Organic Gases Tons/Yr:	25
Carbon Monoxide Emissions Tons/Yr:	181
NOX - Oxides of Nitrogen Tons/Yr:	391
SOX - Oxides of Sulphur Tons/Yr:	10
Particulate Matter Tons/Yr:	30
Part. Matter 10 Micrometers & Smlr Tons/Yr:	30

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES REDONDO BEACH, LLC (Continued)

S103489172

Year: 1999
County Code: 19
Air Basin: SC
Facility ID: 14052
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 48
Reactive Organic Gases Tons/Yr: 24
Carbon Monoxide Emissions Tons/Yr: 181
NOX - Oxides of Nitrogen Tons/Yr: 391
SOX - Oxides of Sulphur Tons/Yr: 10
Particulate Matter Tons/Yr: 30
Part. Matter 10 Micrometers & Smlr Tons/Yr: 30

Year: 2000
County Code: 19
Air Basin: SC
Facility ID: 14052
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 48
Reactive Organic Gases Tons/Yr: 24
Carbon Monoxide Emissions Tons/Yr: 181
NOX - Oxides of Nitrogen Tons/Yr: 391
SOX - Oxides of Sulphur Tons/Yr: 10
Particulate Matter Tons/Yr: 30
Part. Matter 10 Micrometers & Smlr Tons/Yr: 30

Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 115536
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 347
Reactive Organic Gases Tons/Yr: 161
Carbon Monoxide Emissions Tons/Yr: 10
NOX - Oxides of Nitrogen Tons/Yr: 481
SOX - Oxides of Sulphur Tons/Yr: 18
Particulate Matter Tons/Yr: 222
Part. Matter 10 Micrometers & Smlr Tons/Yr: 221

Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 115536
Air District Name: SC
SIC Code: 4911

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES REDONDO BEACH, LLC (Continued)

S103489172

Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 56
Reactive Organic Gases Tons/Yr: 24
Carbon Monoxide Emissions Tons/Yr: 380
NOX - Oxides of Nitrogen Tons/Yr: 34
SOX - Oxides of Sulphur Tons/Yr: 3
Particulate Matter Tons/Yr: 31
Part. Matter 10 Micrometers & Smlr Tons/Yr: 31

Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 115536
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 56
Reactive Organic Gases Tons/Yr: 24
Carbon Monoxide Emissions Tons/Yr: 380
NOX - Oxides of Nitrogen Tons/Yr: 34
SOX - Oxides of Sulphur Tons/Yr: 3
Particulate Matter Tons/Yr: 31
Part. Matter 10 Micrometers & Smlr Tons/Yr: 31

Year: 2004
County Code: 19
Air Basin: SC
Facility ID: 115536
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 55.77421443
Reactive Organic Gases Tons/Yr: 23.55
Carbon Monoxide Emissions Tons/Yr: 380.2501
NOX - Oxides of Nitrogen Tons/Yr: 33.512
SOX - Oxides of Sulphur Tons/Yr: 2.5578495
Particulate Matter Tons/Yr: 31.16033918
Part. Matter 10 Micrometers & Smlr Tons/Yr: 31.16

Year: 2005
County Code: 19
Air Basin: SC
Facility ID: 115536
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 22.0656
Reactive Organic Gases Tons/Yr: 9.480325098
Carbon Monoxide Emissions Tons/Yr: 91.21153

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES REDONDO BEACH, LLC (Continued)

S103489172

NOX - Oxides of Nitrogen Tons/Yr: 17.78733
SOX - Oxides of Sulphur Tons/Yr: 2.453105
Particulate Matter Tons/Yr: 29.083315
Part. Matter 10 Micrometers & Smlr Tons/Yr: 29.0820153395

Year: 2006
County Code: 19
Air Basin: SC
Facility ID: 115536
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 24.20058980309519313
Reactive Organic Gases Tons/Yr: 10.446
Carbon Monoxide Emissions Tons/Yr: 553.524
NOX - Oxides of Nitrogen Tons/Yr: 39.823
SOX - Oxides of Sulphur Tons/Yr: 1.046
Particulate Matter Tons/Yr: 12.338
Part. Matter 10 Micrometers & Smlr Tons/Yr: 12.3356

Year: 2007
County Code: 19
Air Basin: SC
Facility ID: 115536
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 21.18459583628406903
Reactive Organic Gases Tons/Yr: 8.954804875
Carbon Monoxide Emissions Tons/Yr: 165.7705355
NOX - Oxides of Nitrogen Tons/Yr: 10.81209630629532885
SOX - Oxides of Sulphur Tons/Yr: .945005675
Particulate Matter Tons/Yr: 3.030237865
Part. Matter 10 Micrometers & Smlr Tons/Yr: 3.029232451107

Year: 2007
County Code: 19
Air Basin: SC
Facility ID: 115536
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 24.20024556166604216
Reactive Organic Gases Tons/Yr: 10.446
Carbon Monoxide Emissions Tons/Yr: 553.524
NOX - Oxides of Nitrogen Tons/Yr: 39.823
SOX - Oxides of Sulphur Tons/Yr: 1.046
Particulate Matter Tons/Yr: 12.338
Part. Matter 10 Micrometers & Smlr Tons/Yr: 12.3356

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A19
Target
Property

SCE - REDONDO GENERATING STATION
1100 HARBOR DR.
REDONDO BEACH, CA

SLIC **S106483927**
N/A

Site 19 of 27 in cluster A

Actual:
17 ft.

SLIC:
Region: STATE
Facility Status: Open - Site Assessment
Status Date: 09/22/1997
Global Id: SL204401576
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.852143
Longitude: -118.396441
Case Type: Cleanup Program Site
Case Worker: TTW
Local Agency: Not reported
RB Case Number: 0710B
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:](#)

A20
Target
Property

1100 N HARBOR DR # 2
REDONDO BEACH, CA 90277

AST **A100344395**
N/A

Site 20 of 27 in cluster A

Actual:
17 ft.

AST:
Owner: AES REDONDO BEACH GENERATOR
Total Gallons: 3700
Certified Unified Program Agencies: Los Angeles County

A21
Target
Property

SOUTHERN CALIFORNIA GAS COMPANY
1100 N HARBOR DR
REDONDO BEACH, CA 90277

RCRA-SQG **1012176043**
CAR000198762

Site 21 of 27 in cluster A

Actual:
17 ft.

RCRA-SQG:
Date form received by agency: 02/10/2009
Facility name: SOUTHERN CALIFORNIA GAS COMPANY
Facility address: 1100 N HARBOR DR
FILTER OPERATOR UNIT
REDONDO BEACH, CA 90277
EPA ID: CAR000198762
Mailing address: 6875 CONSOLIDATED WY
SD 1373
SAN DIEGO, CA 92121 2602
Contact: JAMES T SCRUGGS
Contact address: 6875 CONSOLIDATED WY SD 1373
SAN DIEGO, CA 92121 2602
Contact country: US
Contact telephone: 858-653-3104

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTHERN CALIFORNIA GAS COMPANY (Continued)

1012176043

Contact email: JSCRUGGS@SEMPRAUTILITIES.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: SOUTHERN CALIFORNIA GAS COMPANY
Owner/operator address: 6875 CONSOLIDATED WY SD 1373
SAN DIEGO, CA 92121
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1998
Owner/Op end date: Not reported

Owner/operator name: SOUTHERN CALIFORNIA GAS COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1998
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

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 PENSKEY-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.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SOUTHERN CALIFORNIA GAS COMPANY (Continued)

1012176043

Waste code: D004
 Waste name: ARSENIC

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: D018
 Waste name: BENZENE

Violation Status: No violations found

**A22
 Target
 Property**

**REDONDO GENERATING STATION
 1100 N HARBOR DR
 REDONDO BEACH, CA 90277**

**WDS
 NPDES
 HIST UST
 LOS ANGELES CO. HMS
 HAZNET**

**U001563592
 N/A**

Site 22 of 27 in cluster A

**Actual:
 17 ft.**

CA WDS:
 Facility ID: Los Angeles River 192111003
 Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.

Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

NPDES Number: CA0001201 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board

Subregion: 4

Facility Telephone: 3103187418
 Facility Contact: RaNae P. Loveland
 Agency Name: AES REDONDO BEACH LLC
 Agency Address: 1100 N. Harbor Drive
 Agency City,St,Zip: Redondo Beach 90277
 Agency Contact: C. J. Thompson
 Agency Telephone: 3103187442
 Agency Type: Private
 SIC Code: 4911
 SIC Code 2: Not reported
 Primary Waste: 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: 1146
 Baseline Flow: 898

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

U001563592

Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
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.

NPDES:

Npdes Number: CAS000001
Facility Status: Active
Agency Id: Not reported
Region: 4
Regulatory Measure Id: 191838
Order No: 97-03-DWQ
Regulatory Measure Type: Enrollee
Place Id: Not reported
WDID: 4 19I019143
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/02/2004
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Discharge Name: AES Redondo Beach LLC
Discharge Address: 1100 N Harbor Dr
Discharge City: Redondo Beach
Discharge State: CA
Discharge Zip: Not reported

HIST UST:

Region: STATE
Facility ID: 00000022169
Facility Type: Other
Other Type: ELECT. UTILITY
Total Tanks: 0022
Contact Name: D. B. ARMAND
Telephone: 8185721801
Owner Name: SOUTHERN CALIFORNIA EDISON CO.
Owner Address: 2244 WALNUT GROVE AVENUE
Owner City,St,Zip: ROSEMEAD, CA 91770

Tank Num: 001
Container Num: 44
Year Installed: 1955
Tank Capacity: 00010000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Stock Inventor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

U001563592

Tank Num: 002
Container Num: 45
Year Installed: 1947
Tank Capacity: 04534278
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000.38 inches
Leak Detection: Visual

Tank Num: 003
Container Num: 46
Year Installed: 1947
Tank Capacity: 04534278
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000.38 inches
Leak Detection: Visual

Tank Num: 004
Container Num: 47
Year Installed: 1958
Tank Capacity: 05783000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000.38 inches
Leak Detection: Visual

Tank Num: 005
Container Num: 48
Year Installed: 1958
Tank Capacity: 05783400
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000.38 inches
Leak Detection: Visual

Tank Num: 006
Container Num: 49
Year Installed: 1968
Tank Capacity: 13091400
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000.38 inches
Leak Detection: Visual

Tank Num: 007
Container Num: 50
Year Installed: 1972
Tank Capacity: 01000000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 00002.5 inches
Leak Detection: Visual

Tank Num: 008
Container Num: 51
Year Installed: 1972

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

U001563592

Tank Capacity: 01000000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 00002.5 inches
Leak Detection: Visual

Tank Num: 009
Container Num: 52
Year Installed: 1955
Tank Capacity: 00020000
Tank Used for: WASTE
Type of Fuel: 06
Tank Construction: 00003.5 inches
Leak Detection: Visual

Tank Num: 010
Container Num: 53
Year Installed: 1955
Tank Capacity: 00020000
Tank Used for: WASTE
Type of Fuel: 06
Tank Construction: 00003.5 inches
Leak Detection: Visual

Tank Num: 011
Container Num: 54
Year Installed: 1966
Tank Capacity: 00003675
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 00003.5 inches
Leak Detection: Visual

Tank Num: 012
Container Num: 55
Year Installed: 1966
Tank Capacity: 00003675
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 00003.5 inches
Leak Detection: Visual

Tank Num: 013
Container Num: 56
Year Installed: 1972
Tank Capacity: 00360000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 00002.5 inches
Leak Detection: Visual

Tank Num: 014
Container Num: 57
Year Installed: 1981
Tank Capacity: 00015000
Tank Used for: WASTE
Type of Fuel: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

U001563592

Tank Construction: 00003.5 inches
Leak Detection: Visual

Tank Num: 015
Container Num: 58
Year Installed: 1966
Tank Capacity: 00004800
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 00003.5 inches
Leak Detection: Visual

Tank Num: 016
Container Num: 59
Year Installed: 1955
Tank Capacity: 00006000
Tank Used for: WASTE
Type of Fuel: 06
Tank Construction: 00003.5 inches
Leak Detection: Visual

Tank Num: 017
Container Num: 60
Year Installed: 1947
Tank Capacity: 00000600
Tank Used for: WASTE
Type of Fuel: 06
Tank Construction: 00003.5 inches
Leak Detection: Visual

Tank Num: 018
Container Num: 61
Year Installed: 1966
Tank Capacity: 00036000
Tank Used for: WASTE
Type of Fuel: 06
Tank Construction: 00003.5 inches
Leak Detection: Visual

Tank Num: 019
Container Num: 62
Year Installed: 1947
Tank Capacity: 00000250
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000.25 inches
Leak Detection: Visual

Tank Num: 020
Container Num: 63
Year Installed: 1947
Tank Capacity: 00000250
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000.25 inches
Leak Detection: Visual

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO GENERATING STATION (Continued)

U001563592

Tank Num: 021
Container Num: 64
Year Installed: 1947
Tank Capacity: 00000250
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000.25 inches
Leak Detection: Visual

Tank Num: 022
Container Num: 65
Year Installed: 1966
Tank Capacity: 01344000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0000.38 inches
Leak Detection: Stock Inventor

LOS ANGELES CO. HMS:

Region: LA
Facility Id: 009001-012370
Facility Status: Permit
Area: 2S
Permit Number: 00004027T
Permit Status: Closed
Facility Type: T0

HAZNET:

Year: 2007
Gepaid: CAC002620187
Contact: STAN MARSH
Telephone: 6263029711
Mailing Name: Not reported
Mailing Address: 2244 WALNUT GROVE AVE
Mailing City,St,Zip: ROSEMEAD, CA 91770
Gen County: Los Angeles
TSD EPA ID: CAD050806850
TSD County: Los Angeles
Waste Category: Waste oil and mixed oil
Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
Tons: 1.5
Facility County: Los Angeles

**A23
Target
Property**

**REDONDO PUMP STATION
1100 N HARBOR DR
REDONDO BEACH, CA 90277**

**HIST UST U001563593
N/A**

Site 23 of 27 in cluster A

**Actual:
17 ft.**

HIST UST:
Region: STATE
Facility ID: 00000066358
Facility Type: Other
Other Type: ELECTRIC UTILITY
Total Tanks: 0004
Contact Name: MARIO A. FAVARO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO PUMP STATION (Continued)

U001563593

Telephone: 8183021478
Owner Name: SOUTHERN CALIFORNIA EDISON COM
Owner Address: 2244 WALNUT GROVE AVENUE
Owner City,St,Zip: ROSEMEAD, CA 91770

Tank Num: 001
Container Num: 388
Year Installed: 1984
Tank Capacity: 00000200
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 2 inches
Leak Detection: None

Tank Num: 002
Container Num: 515
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Unkown centimeters
Leak Detection: None

Tank Num: 003
Container Num: 516
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 517
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

A24
Target
Property

AES REDONDO BEACH LLC
1100 N HARBOR DR
REDONDO BEACH, CA 90277

WDS U003778080
N/A

Site 24 of 27 in cluster A

Actual:
17 ft.

CA WDS:
Facility ID: 4 19I019143
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AES REDONDO BEACH LLC (Continued)

U003778080

are assigned by the Regional Board

Subregion: 4

Facility Telephone: 3103187418

Facility Contact: Ranae Loveland

Agency Name: AES REDONDO BEACH LLC

Agency Address: 1100 N Harbor Dr

Agency City,St,Zip: Redondo Beach 90277

Agency Contact: Ranae Loveland

Agency Telephone: 3103187418

Agency Type: Private

SIC Code: 4911

SIC Code 2: Not reported

Primary Waste: Not reported

Primary Waste Type: Not reported

Secondary Waste: Not reported

Secondary Waste Type: Not reported

Design Flow: 0

Baseline Flow: 0

Reclamation: Not reported

POTW: Not reported

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 those who 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.

**A25
 Target
 Property**

**A E S REDONDO BEACH L L C
 1100 N HARBOR DRIVE
 REDONDO BEACH, CA 90277**

**HAZNET S107149904
 N/A**

Site 25 of 27 in cluster A

**Actual:
 17 ft.**

HAZNET:

Year: 2010

Gepaid: CAR000038893

Contact: R LOVELAND, ENVTL COORDINATOR

Telephone: 3103187418

Mailing Name: Not reported

Mailing Address: 1100 N HARBOR DRIVE

Mailing City,St,Zip: REDONDO BEACH, CA 902772017

Gen County: Not reported

TSD EPA ID: CAT000646117

TSD County: Not reported

Waste Category: Other inorganic solid waste

Disposal Method: LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)

Tons: 9

Facility County: Los Angeles

Year: 2010

Gepaid: CAR000038893

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A E S REDONDO BEACH L L C (Continued)

S107149904

Contact: R LOVELAND, ENVTL COORDINATOR
Telephone: 3103187418
Mailing Name: Not reported
Mailing Address: 1100 N HARBOR DRIVE
Mailing City,St,Zip: REDONDO BEACH, CA 902772017
Gen County: Not reported
TSD EPA ID: CAD050806850
TSD County: Not reported
Waste Category: Polychlorinated biphenyls and material containing PCBs
Disposal Method: STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/RECOVERY (H010-H129) OR (H131-H135)
Tons: 3
Facility County: Los Angeles

Year: 2010
Gepaid: CAR000038893
Contact: R LOVELAND, ENVTL COORDINATOR
Telephone: 3103187418
Mailing Name: Not reported
Mailing Address: 1100 N HARBOR DRIVE
Mailing City,St,Zip: REDONDO BEACH, CA 902772017
Gen County: Not reported
TSD EPA ID: CAT000646117
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons: 8
Facility County: Los Angeles

Year: 2010
Gepaid: CAR000038893
Contact: R LOVELAND, ENVTL COORDINATOR
Telephone: 3103187418
Mailing Name: Not reported
Mailing Address: 1100 N HARBOR DRIVE
Mailing City,St,Zip: REDONDO BEACH, CA 902772017
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: LANDFILL OR SURFACE IMPOUNDMENT THAT WILL BE CLOSED AS LANDFILL(TO INCLUDE ON-SITE TREATMENT AND/OR STABILIZATION)
Tons: 1.6
Facility County: Los Angeles

Year: 2010
Gepaid: CAR000038893
Contact: R LOVELAND, ENVTL COORDINATOR
Telephone: 3103187418
Mailing Name: Not reported
Mailing Address: 1100 N HARBOR DRIVE
Mailing City,St,Zip: REDONDO BEACH, CA 902772017
Gen County: Not reported
TSD EPA ID: NVT330010000
TSD County: Not reported
Waste Category: Waste oil and mixed oil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A E S REDONDO BEACH L L C (Continued)

S107149904

Disposal Method: OTHER RECOVERY OF RECLAMATION FOR REUSE INCLUDING ACID REGENERATION,
ORGANICS RECOVERY ECT
Tons: 0.0076
Facility County: Los Angeles

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

A26 **TRANSFORMER TECHNOLOGY**
Target **1100 HARBOR DR**
Property **REDONDO BEACH, CA 92077**

HAZNET **S108223110**
N/A

Site 26 of 27 in cluster A

Actual:
17 ft.

HAZNET:
Year: 2005
Gepaid: CAC002589958
Contact: LEONARD HARP
Telephone: 5035510648
Mailing Name: Not reported
Mailing Address: 4705 TURNER RD SE
Mailing City,St,Zip: SALEM, OR 97301
Gen County: Los Angeles
TSD EPA ID: AZ0000337360
TSD County: 99
Waste Category: Waste oil and mixed oil
Disposal Method: R01
Tons: 1.48
Facility County: Not reported

A27 **AES REDONDO BEACH**
Target **1100 N HARBOR DR**
Property **REDONDO BEACH, CA 90277**

UST **U004049523**
LOS ANGELES CO. HMS **N/A**

Site 27 of 27 in cluster A

Actual:
17 ft.

UST:
Facility ID: 2726
Latitude: 33.85085
Longitude: -118.39644

LOS ANGELES CO. HMS:
Region: LA
Facility Id: 009001-026614
Facility Status: Permit
Area: 2S
Permit Number: 000243110
Permit Status: Permit
Facility Type: T0

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

B28
ESE
1/8-1/4
0.174 mi.
918 ft.

TRITON OIL & GAS - REDONDO BEACH
612 NORTH FRANCISCA AVENUE
REDONDO BEACH, CA 92648

SLIC S106483728
N/A

Site 1 of 2 in cluster B

Relative:
Higher

SLIC:

Region: STATE
Facility Status: Completed - Case Closed
 Status Date: 04/20/1995
 Global Id: SL184081391
 Lead Agency: LOS ANGELES RWQCB (REGION 4)
 Lead Agency Case Number: Not reported
 Latitude: 33.850037
 Longitude: -118.390858
 Case Type: Cleanup Program Site
 Case Worker: MC
 Local Agency: Not reported
 RB Case Number: 0256
 File Location: Not reported
 Potential Media Affected: Not reported
 Potential Contaminants of Concern: Not reported
 Site History: Not reported

Actual:
38 ft.

Click here to access the California GeoTracker records for this facility:

B29
ESE
1/8-1/4
0.175 mi.
922 ft.

TRITON OIL & GAS CORP.
612 FRANCISCA
REDONDO BEACH, CA 90277

SLIC S104404820
N/A

Site 2 of 2 in cluster B

Relative:
Higher

SLIC REG 4:

Region: 4
 Facility Status: No further action required
 SLIC: 0256
 Substance: Not reported
 Staff: Manjulika Chakarbarti

Actual:
38 ft.

C30
ENE
1/8-1/4
0.248 mi.
1309 ft.

U.S. POSTAL SERVICE
1201 N CATALINA AVE
REDONDO BEACH, CA 90277

HIST UST U001563600
SWEEPS UST N/A

Site 1 of 3 in cluster C

Relative:
Higher

HIST UST:

Region: STATE
 Facility ID: 00000046868
 Facility Type: Gas Station
 Other Type: Not reported
 Total Tanks: 0002
 Contact Name: POSTMASTER
 Telephone: 2133794034
 Owner Name: U.S. POSTAL SERVICE
 Owner Address: 13031 W. JEFFERSON BLVD.
 Owner City,St,Zip: INGLEWOOD, CA 903119998

Actual:
63 ft.

Tank Num: 001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

U.S. POSTAL SERVICE (Continued)

U001563600

Container Num: 30-2
Year Installed: 1977
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 30-1
Year Installed: 1977
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Stock Inventor

SWEEPS UST:

Status: A
Comp Number: 13185
Number: 7
Board Of Equalization: 44-008859
Ref Date: 06-07-90
Act Date: 06-07-90
Created Date: 06-30-89
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-000-013185-000001
Actv Date: 06-07-90
Capacity: 5000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: A
Comp Number: 13185
Number: 7
Board Of Equalization: 44-008859
Ref Date: 06-07-90
Act Date: 06-07-90
Created Date: 06-30-89
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-000-013185-000002
Actv Date: 06-07-90
Capacity: 1
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 13185
Number: 7
Board Of Equalization: 44-008859
Ref Date: 06-07-90

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

U.S. POSTAL SERVICE (Continued)

U001563600

Act Date: 06-07-90
 Created Date: 06-30-89
 Tank Status: A
 Owner Tank Id: Not reported
 Swrcb Tank Id: 19-000-013185-000003
 Actv Date: 06-30-89
 Capacity: Not reported
 Tank Use: UNKNOWN
 Stg: W
 Content: Not reported
 Number Of Tanks: Not reported

**C31
 ENE
 1/8-1/4
 0.248 mi.
 1309 ft.**

**US POSTAL SERVICE
 1201 N CATALINA AVE
 REDONDO BEACH, CA 90277**

LOS ANGELES CO. HMS

**UST U004049127
 N/A**

Site 2 of 3 in cluster C

**Relative:
 Higher**

UST:
 Facility ID: 1680
 Latitude: 33.8528
 Longitude: -118.39066

**Actual:
 63 ft.**

LOS ANGELES CO. HMS:
 Region: LA
 Facility Id: 012937-013185
 Facility Status: Removed
 Area: 2S
 Permit Number: 00005436T
 Permit Status: Removed
 Facility Type: T0

**C32
 ENE
 1/8-1/4
 0.248 mi.
 1309 ft.**

**US POSTAL SERVICE
 1201 N CATALINA
 REDONDO BEACH, CA 90277**

**WDS S100947089
 LUST N/A
 HAZNET**

Site 3 of 3 in cluster C

**Relative:
 Higher**

CA WDS:
 Facility ID: 4 19I013031
 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: Not reported
 Facility Contact: Not reported
 Agency Name: U.S. POSTAL SERVICE
 Agency Address: Not reported
 Agency City,St,Zip: 0
 Agency Contact: Not reported
 Agency Telephone: Not reported
 Agency Type: Federal
 SIC Code: 0

**Actual:
 63 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US POSTAL SERVICE (Continued)

S100947089

SIC Code 2: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
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 those who 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.

LUST:

Region: STATE
Global Id: T0603704047
Latitude: 33.8519519
Longitude: -118.3908945
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 06/22/1990
Lead Agency: LOS ANGELES COUNTY
Case Worker: JOA
Local Agency: LOS ANGELES COUNTY
RB Case Number: I-13185
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0603704047
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603704047
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US POSTAL SERVICE (Continued)

S100947089

City: ALHAMBRA
Email: Not reported
Phone Number: 6264583507

LUST:

Global Id: T0603704047
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Discovery

Global Id: T0603704047
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Stopped

Global Id: T0603704047
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-13185
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704047
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: GERTRUDA ST.
Enforcement Type: Not reported
Date Leak Discovered: 12/11/1989
Date Leak First Reported: 2/28/1990
Date Leak Record Entered: 5/22/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 12/11/1989
Date Case Last Changed on Database: 9/10/1990
Date the Case was Closed: 6/22/1990
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: HAASE, ERNIE
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 9062.844033033888782428662096
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 2/28/1990

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

US POSTAL SERVICE (Continued)

S100947089

Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: U.S. POST OFFICE
RP Address: 3000 OCEAN PARK BLVD., ST., 2001, SANTA MONICA, 90405-3026
Program: LUST
Lat/Long: 33.8521708 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

HAZNET:

Year: 1999
Gepaid: CAC002175769
Contact: US POSTAL SERVICE
Telephone: 3103760262
Mailing Name: Not reported
Mailing Address: 1201 N CATALINA
Mailing City,St,Zip: REDONDO BEACH, CA 902770000
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Unspecified aqueous solution
Disposal Method: R01
Tons: 0.417
Facility County: Los Angeles

Year: 1993
Gepaid: CAX000140087
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: Not reported
Mailing City,St,Zip: TORRANCE, CA 905109709
Gen County: Los Angeles
TSD EPA ID: CAD099452708
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: R01
Tons: .4587
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

33
NNE
1/4-1/2
0.275 mi.
1450 ft.

ISCO INDUSTRIES
540 001ST ST E
HERMOSA BEACH, CA 90254

LUST **S102056517**
EMI **N/A**

Relative:
Higher

LUST:

Region: STATE
Global Id: T0603704314
Latitude: 33.8644225
Longitude: -118.3973623
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 06/24/1990
Lead Agency: LOS ANGELES COUNTY
Case Worker: JOA
Local Agency: LOS ANGELES COUNTY
RB Case Number: I-15503
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

Actual:
67 ft.

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0603704314
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603704314
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: Not reported
Phone Number: 6264583507

LUST:

Global Id: T0603704314
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Discovery

Global Id: T0603704314
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Stopped

Global Id: T0603704314
Action Type: Other
Date: 1950-01-01 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ISCO INDUSTRIES (Continued)

S102056517

Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-15503
Status: Case Closed
Substance: Waste Oil
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704314
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: HERONDO ST
Enforcement Type: Not reported
Date Leak Discovered: 4/5/1990
Date Leak First Reported: 5/2/1990
Date Leak Record Entered: 6/20/1990
Date Confirmation Began: Not reported
Date Leak Stopped: 4/5/1990
Date Case Last Changed on Database: 7/24/1990
Date the Case was Closed: 6/24/1990
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: FOWLER, PAT
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 8095.010302713576164086418223
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: ISCO INDUSTRIES
RP Address: 15342 HAWTHORNE BLVD., HAWTHORNE, 90250
Program: LUST
Lat/Long: 33.8644225 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ISCO INDUSTRIES (Continued)

S102056517

Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: OLD CASE #062090-10

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 15169
Air District Name: SC
SIC Code: 5511
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

34
ESE
1/4-1/2
0.326 mi.
1720 ft.

SWEETSER PROPERTY
507 GERTRUDA
REDONDO BEACH, CA

HIST CORTESE **S102438281**
LUST **N/A**

Relative:
Higher

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: I-14914

Actual:
62 ft.

LUST:

Region: STATE
Global Id: T0603704220
Latitude: 33.849251
Longitude: -118.389212
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/10/1990
Lead Agency: LOS ANGELES COUNTY
Case Worker: JOA
Local Agency: LOS ANGELES COUNTY
RB Case Number: I-14914
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SWEETSER PROPERTY (Continued)

S102438281

Global Id: T0603704220
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603704220
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: Not reported
Phone Number: 6264583507

LUST:

Global Id: T0603704220
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: I-14914
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704220
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 1/10/1990
Date Leak Record Entered: 1/22/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 1/29/1990
Date the Case was Closed: 1/10/1990
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SWEETSER PROPERTY (Continued)

S102438281

Approx. Dist To Production Well (ft): 9293.235043090695748596443619
 Source of Cleanup Funding: Not reported
 Preliminary Site Assessment Workplan Submitted: Not reported
 Preliminary Site Assessment Began: Not reported
 Pollution Characterization Began: Not reported
 Remediation Plan Submitted: Not reported
 Remedial Action Underway: Not reported
 Post Remedial Action Monitoring Began: Not reported
 Enforcement Action Date: Not reported
 Historical Max MTBE Date: Not reported
 Hist Max MTBE Conc in Groundwater: Not reported
 Hist Max MTBE Conc in Soil: Not reported
 Significant Interim Remedial Action Taken: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Organization: Not reported
 Owner Contact: Not reported
 Responsible Party: ESTATE OF LILIAN SWEETSER
 RP Address: 1900 AVENUE OF THE STAR, SUITE 2200, LOS ANGELES, 90067
 Program: LUST
 Lat/Long: 33.8492269 / -1
 Local Agency Staff: Not reported
 Beneficial Use: Not reported
 Priority: Not reported
 Cleanup Fund Id: Not reported
 Suspended: Not reported
 Assigned Name: Not reported
 Summary: Not reported

D35
NE
1/4-1/2
0.410 mi.
2164 ft.

REDONDO CENTRAL OFF.
102 PACIFIC COAST HIGHWAY
HERMOSA BEACH, CA 90254

HIST CORTESE
Notify 65
HAZNET

S100177979
N/A

Site 1 of 3 in cluster D

Relative:
Higher

CORTESE:
 Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: 902540025

Actual:
87 ft.

Notify 65:
 Date Reported: Not reported
 Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported
 Incident Description: 90254-5355

HAZNET:
 Year: 2010
 Gepaid: CAC002557650
 Contact: KIM BRAY
 Telephone: 9096131554
 Mailing Name: Not reported
 Mailing Address: PO BOX 725
 Mailing City,St,Zip: CHINO, CA 917080000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO CENTRAL OFF. (Continued)

S100177979

Gen County: Not reported
TSD EPA ID: CAD008364432
TSD County: Not reported
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons: 0.00834
Facility County: Los Angeles

**D36
NE
1/4-1/2
0.410 mi.
2164 ft.**

**GTE REDONDO BEACH CENTRAL
102 PACIFIC COAST HWY
HERMOSA BEACH, CA 90254**

**LUST S102431051
SWEEPS UST N/A
EMI**

Site 2 of 3 in cluster D

**Relative:
Higher**

LUST:

Region: STATE
Global Id: T0603701295
Latitude: 33.855898
Longitude: -118.390144
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 10/29/1996
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Worker: YR
Local Agency: LOS ANGELES COUNTY
RB Case Number: 902540025
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel
Site History: Not reported

**Actual:
87 ft.**

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0603701295
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603701295
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: Not reported
Phone Number: 6264583507

LUST:

Global Id: T0603701295
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GTE REDONDO BEACH CENTRAL (Continued)

S102431051

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 902540025
Status: Case Closed
Substance: Diesel
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603701295
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: 1ST
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 1/21/1987
Date Leak Record Entered: 9/9/1987
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 4/2/1997
Date the Case was Closed: 10/29/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: OFFICE
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 8182.355163348813201988153429
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 4/25/1988
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: GTE CALIFORNIA INCORPORATED
RP Address: P O BOX 725, CA301HJ, CHINO CA 91708
Program: LUST
Lat/Long: 33.8558168 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GTE REDONDO BEACH CENTRAL (Continued)

S102431051

Assigned Name: Not reported
Summary: 04/02/97 - WELL ABANDONMENT REPORT

SWEEPS UST:

Status: A
Comp Number: 12288
Number: 1
Board Of Equalization: Not reported
Ref Date: 01-04-91
Act Date: 01-04-91
Created Date: 06-30-89
Tank Status: A
Owner Tank Id: 1
Swrcb Tank Id: 19-000-012288-000001
Actv Date: 01-04-91
Capacity: 4000
Tank Use: PETROLEUM
Stg: P
Content: Not reported
Number Of Tanks: 1

EMI:

Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 16069
Air District Name: SC
SIC Code: 4922
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 16069
Air District Name: SC
SIC Code: 4813
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D37
NE
1/4-1/2
0.411 mi.
2168 ft.
JEEP/EAGLE DEALERSHIP
125 PACIFIC COAST HWY
HERMOSA BEACH, CA 90254
Site 3 of 3 in cluster D

HIST CORTESE
LUST
S102055643
N/A

Relative:
Higher

CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-16176

Actual:
87 ft.

LUST:
Region: STATE
Global Id: T0603705276
Latitude: 33.855332
Longitude: -118.390859
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 03/11/1991
Lead Agency: LOS ANGELES COUNTY
Case Worker: JOA
Local Agency: LOS ANGELES COUNTY
RB Case Number: R-16176
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Aviation
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:
Global Id: T0603705276
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: Not reported
Phone Number: 6264583507

Global Id: T0603705276
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603705276
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEEP/EAGLE DEALERSHIP (Continued)

S102055643

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-16176
Status: Case Closed
Substance: 1
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603705276
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: 001ST ST
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 3/11/1991
Date Leak Record Entered: 4/30/1996
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 3/11/1991
Date the Case was Closed: 3/11/1991
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 8240.456484731683315475582307
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: JEEP/EAGLE DEALERSHIP
RP Address: 33441 CALLE MIRAMAR, SAN JUAN CAPISTRANO CA 92675
Program: LUST
Lat/Long: 33.8559298 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JEEP/EAGLE DEALERSHIP (Continued)

S102055643

Assigned Name: Not reported
Summary: Not reported

E38
South
1/4-1/2
0.425 mi.
2244 ft.

WEST GROUP CONSTRUCTION
260 PORTOFINO WY
REDONDO BEACH, CA 90277

LUST S104159727
N/A

Site 1 of 2 in cluster E

Relative:
Lower

LUST:

Actual:
7 ft.

Region: STATE
Global Id: T0603704038
Latitude: 33.8450832
Longitude: -118.3944324
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 02/07/1990
Lead Agency: LOS ANGELES COUNTY
Case Worker: JOA
Local Agency: LOS ANGELES COUNTY
RB Case Number: I-13125
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:

Global Id: T0603704038
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603704038
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: Not reported
Phone Number: 6264583507

LUST:

Global Id: T0603704038
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Reported

LUST REG 4:

Region: 4

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WEST GROUP CONSTRUCTION (Continued)

S104159727

Regional Board: 04
County: Los Angeles
Facility Id: I-13125
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603704038
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: Not reported
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 2/7/1990
Date Leak Record Entered: 2/5/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 2/16/1990
Date the Case was Closed: 2/7/1990
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 11259.774167647471645419392068
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: WEST GROUP CONSTRUCTION
RP Address: 2955 MAIN STREET, S.E., IRVINE, 92714
Program: LUST
Lat/Long: 33.8455869 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E39
South
1/4-1/2
0.425 mi.
2244 ft.

PORTOFINO INN
260 PORTOFINO WAY
REDONDO BEACH, CA 90277

Site 2 of 2 in cluster E

HIST CORTESE **U001563584**
HIST UST **N/A**

Relative: **CORTESE:**
Lower Region: **CORTESE**
Facility County Code: **19**
Actual: Reg By: **LTNKA**
7 ft. Reg Id: **I-13125**

HIST UST:
Region: **STATE**
Facility ID: **00000050848**
Facility Type: **Gas Station**
Other Type: **Not reported**
Total Tanks: **0002**
Contact Name: **PHIL MARTINEZ**
Telephone: **2133798481**
Owner Name: **PORTO FINO,**
Owner Address: **260 PORTOFINO WAY**
Owner City,St,Zip: **REDONDO BEACH, CA 90277**

Tank Num: **001**
Container Num: **B**
Year Installed: **1974**
Tank Capacity: **00001000**
Tank Used for: **PRODUCT**
Type of Fuel: **REGULAR**
Tank Construction: **Not reported**
Leak Detection: **Stock Inventor**

Tank Num: **002**
Container Num: **A**
Year Installed: **1974**
Tank Capacity: **00001000**
Tank Used for: **PRODUCT**
Type of Fuel: **REGULAR**
Tank Construction: **Not reported**
Leak Detection: **Stock Inventor**

F40
NNE
1/4-1/2
0.444 mi.
2345 ft.

VASEK POLK PORSCHE-AUDO
199 PACIFIC COAST
HERMOSA BEACH, CA 90254

Site 1 of 2 in cluster F

HIST CORTESE **S100221660**
CHMIRS **N/A**
HAZNET

Relative: **CORTESE:**
Higher Region: **CORTESE**
Facility County Code: **19**
Actual: Reg By: **LTNKA**
88 ft. Reg Id: **R-11579**

CHMIRS:
OES Incident Number: **9099647**
OES notification: **Not reported**
OES Date: **Not reported**
OES Time: **Not reported**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VASEK POLK PORSCHE-AUDO (Continued)

S100221660

Incident Date: 26-OCT-90
Date Completed: 26-OCT-90
Property Use: 500
Agency Id Number: 19085
Agency Incident Number: 90001205
Time Notified: 1341
Time Completed: 1504
Surrounding Area: 400
Estimated Temperature: 75
Property Management: P
Special Studies 1: Not reported
Special Studies 2: Not reported
Special Studies 3: Not reported
Special Studies 4: Not reported
Special Studies 5: Not reported
Special Studies 6: Not reported
More Than Two Substances Involved?: N
Resp Agency Personnel # Of Decontaminated: 0
Responding Agency Personnel # Of Injuries: 0
Responding Agency Personnel # Of Fatalities: 0
Others Number Of Decontaminated: 0
Others Number Of Injuries: 0
Others Number Of Fatalities: 0
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: CAPT. EDWARD CHESSON
Report Date: 26-OCT-90
Comments: Y
Facility Telephone: 213 376-2479
Waterway Involved: Not reported
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Not reported
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 88-92
Agency: Not reported
Incident Date: Not reported
Admin Agency: Not reported
Amount: Not reported
Contained: Not reported
Site Type: Not reported
E Date: 14-JUN-91
Substance: Not reported
Quantity Released: Not reported
BBLs: Not reported
Cups: Not reported
CUFT: Not reported
Gallons: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VASEK POLK PORSCHE-AUDO (Continued)

S100221660

Grams: Not reported
Pounds: Not reported
Liters: Not reported
Ounces: Not reported
Pints: Not reported
Quarts: Not reported
Sheen: Not reported
Tons: Not reported
Unknown: Not reported
Evacuations: Not reported
Number of Injuries: Not reported
Number of Fatalities: Not reported
Description: Not reported

HAZNET:

Year: 2002
Gepaid: CAL000212593
Contact: JEFFREY FOSTER/SERVICE MANAGER
Telephone: 3109397400
Mailing Name: Not reported
Mailing Address: 199 PACIFIC COAST HIGHWAY
Mailing City,St,Zip: HERMOSA BEACH, CA 902540000
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Oil/water separation sludge
Disposal Method: R01
Tons: 1.20
Facility County: Not reported

F41
NNE
1/4-1/2
0.444 mi.
2345 ft.

PACIFIC PORSCHE AUDI AND VW
199 PACIFIC COAST HIGHWAY
HERMOSA BEACH, CA 90254
Site 2 of 2 in cluster F

RCRA-SQG 1000820073
FINDS CAD983660960
LUST
HAZNET

Relative:
Higher

RCRA-SQG:

Date form received by agency: 11/21/2001
Facility name: PACIFIC PORSCHE AUDI V W
Facility address: 199 PACIFIC COAST HWY
HERMOSA BEACH, CA 90254
EPA ID: CAD983660960
Contact: JEFF FOSTER
Contact address: 199 PACIFIC COAST HWY
HERMOSA BEACH, CA 90254
Contact country: US
Contact telephone: (310) 939-7400
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
88 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC PORSCHE AUDI AND VW (Continued)

1000820073

Owner/Operator Summary:

Owner/operator name: MICHAEL SULLIVAN
Owner/operator address: 199 PACIFIC COAST HWY
HERMOSA BEACH, CA 90254
Owner/operator country: Not reported
Owner/operator telephone: (310) 939-7400
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

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

Hazardous Waste Summary:

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110002893806

Environmental Interest/Information System

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

LUST:

Region: STATE
Global Id: T0603705055
Latitude: 33.8565102
Longitude: -118.390676
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 01/28/1997
Lead Agency: LOS ANGELES COUNTY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC PORSCHE AUDI AND VW (Continued)

1000820073

Case Worker: JOA
Local Agency: LOS ANGELES COUNTY
RB Case Number: R-11579
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

LUST:

Global Id: T0603705055
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: Not reported
Phone Number: 6264583507

Global Id: T0603705055
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0603705055
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Reported

Global Id: T0603705055
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Discovery

Global Id: T0603705055
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Stopped

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: R-11579
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC PORSCHE AUDI AND VW (Continued)

1000820073

Abatement Method Used at the Site: Excavate and Dispose
Global ID: T0603705055
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: 2ND ST
Enforcement Type: Not reported
Date Leak Discovered: 12/23/1996
Date Leak First Reported: 12/23/1996
Date Leak Record Entered: 3/31/1997
Date Confirmation Began: Not reported
Date Leak Stopped: 8/22/1996
Date Case Last Changed on Database: 1/28/1997
Date the Case was Closed: 1/28/1997
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: ARLAN TARHAN
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 8187.631574606048158644830121
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: VASEK POLAK IMPORTS
RP Address: 199 PACIFIC COAST HWY, HERMOSA BEACH, CA 90254
Program: LUST
Lat/Long: 33.8564307 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: ALL THE CONTAMINATED SOILS WAS REMOVED.

HAZNET:

Year: 2003
Gepaid: CAD983660960
Contact: JEFFREY FOSTER SERVICE MGR
Telephone: 3103760935
Mailing Name: Not reported
Mailing Address: 199 PACIFIC COAST HWY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC PORSCHE AUDI AND VW (Continued)

1000820073

Mailing City,St,Zip: HERMOSA BEACH, CA 902545346
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Oil/water separation sludge
Disposal Method: R01
Tons: 4.33
Facility County: Los Angeles

Year: 2002
Gepaid: CAD983660960
Contact: JEFFREY FOSTER SERVICE MGR
Telephone: 3103760935
Mailing Name: Not reported
Mailing Address: 199 PACIFIC COAST HWY
Mailing City,St,Zip: HERMOSA BEACH, CA 902545346
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01
Tons: 0.61
Facility County: Not reported

Year: 2001
Gepaid: CAD983660960
Contact: JEFFREY FOSTER SERVICE MGR
Telephone: 3103760935
Mailing Name: Not reported
Mailing Address: 199 PACIFIC COAST HWY
Mailing City,St,Zip: HERMOSA BEACH, CA 902545346
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: H01
Tons: 1.02
Facility County: Not reported

Year: 2001
Gepaid: CAD983660960
Contact: JEFFREY FOSTER SERVICE MGR
Telephone: 3103760935
Mailing Name: Not reported
Mailing Address: 199 PACIFIC COAST HWY
Mailing City,St,Zip: HERMOSA BEACH, CA 902545346
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Oil/water separation sludge
Disposal Method: R01
Tons: 4.12
Facility County: Not reported

Year: 2000
Gepaid: CAD983660960
Contact: VASEK POLAK

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PACIFIC PORSCHE AUDI AND VW (Continued)

1000820073

Telephone: 3103760935
 Mailing Name: Not reported
 Mailing Address: 199 PACIFIC COAST HWY
 Mailing City, St, Zip: HERMOSA BEACH, CA 902545346
 Gen County: Los Angeles
 TSD EPA ID: CAT080013352
 TSD County: Los Angeles
 Waste Category: Oil/water separation sludge
 Disposal Method: R01
 Tons: 4.0282
 Facility County: Los Angeles

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

42
SSE
1/4-1/2
0.460 mi.
2427 ft.

REDONDO BEACH MARINA
181 HARBOR
REDONDO BEACH, CA 90277

HIST CORTESE
LUST
CA FID UST
SWEEPS UST
CHMIRS

S101583044
N/A

Relative:
Lower

CORTESE:
 Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: 040990-02

Actual:
16 ft.

LUST:
 Region: STATE
 Global Id: T0603700071
 Latitude: 33.843654
 Longitude: -118.3921978
 Case Type: LUST Cleanup Site
 Status: Completed - Case Closed
 Status Date: 06/19/1990
 Lead Agency: LOS ANGELES COUNTY
 Case Worker: SEM
 Local Agency: LOS ANGELES COUNTY
 RB Case Number: 040990-02
 LOC Case Number: Not reported
 File Location: Not reported
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

Click here to access the California GeoTracker records for this facility:

LUST:
 Global Id: T0603700071
 Contact Type: Regional Board Caseworker
 Contact Name: YUE RONG
 Organization Name: LOS ANGELES RWQCB (REGION 4)
 Address: 320 W. 4TH ST., SUITE 200
 City: Los Angeles
 Email: yrong@waterboards.ca.gov
 Phone Number: Not reported

 Global Id: T0603700071

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO BEACH MARINA (Continued)

S101583044

Contact Type: Local Agency Caseworker
Contact Name: STEVEN MILEWSKI
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: Not reported
Phone Number: Not reported

LUST:

Global Id: T0603700071
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Discovery

Global Id: T0603700071
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Stopped

Global Id: T0603700071
Action Type: Other
Date: 1950-01-01 00:00:00
Action: Leak Reported

LUST REG 4:

Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 040990-02
Status: Leak being confirmed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700071
W Global ID: Not reported
Staff: UNK
Local Agency: 19000
Cross Street: KING HARBOR
Enforcement Type: Not reported
Date Leak Discovered: 2/27/1990
Date Leak First Reported: 3/21/1990
Date Leak Record Entered: 4/8/1990
Date Confirmation Began: 3/21/1990
Date Leak Stopped: 2/27/1990
Date Case Last Changed on Database: 5/9/1990
Date the Case was Closed: Not reported
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: MCRAE, GORDON JR.
Water System: Not reported
Well Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO BEACH MARINA (Continued)

S101583044

Approx. Dist To Production Well (ft): 11404.704266655796561165794574
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: REDONDO BEACH MARINA
RP Address: 181 HARBOR DR., N., REDONDO BEACH, 90277
Program: LUST
Lat/Long: 33.843654 / -1
Local Agency Staff: Not reported
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

CA FID UST:

Facility ID: 19002385
Regulated By: UTNKI
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2133743481
Mail To: Not reported
Mailing Address: 181 N HARBOR DR
Mailing Address 2: Not reported
Mailing City,St,Zip: REDONDO BEACH 90277
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

SWEEPS UST:

Status: Not reported
Comp Number: 15050
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO BEACH MARINA (Continued)

S101583044

Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-000-015050-000001
Actv Date: Not reported
Capacity: 8000
Tank Use: UNKNOWN
Stg: PRODUCT
Content: Not reported
Number Of Tanks: 5

Status: Not reported
Comp Number: 15050
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-000-015050-000002
Actv Date: Not reported
Capacity: 8000
Tank Use: UNKNOWN
Stg: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 15050
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-000-015050-000003
Actv Date: Not reported
Capacity: 4000
Tank Use: UNKNOWN
Stg: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 15050
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-000-015050-000004
Actv Date: Not reported
Capacity: 4000
Tank Use: UNKNOWN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO BEACH MARINA (Continued)

S101583044

Stg: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 15050
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 19-000-015050-000005
Actv Date: Not reported
Capacity: 4000
Tank Use: UNKNOWN
Stg: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

CHMIRS:

OES Incident Number: '10-5294
OES notification: 9/3/2010 7:59:00 AM
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
Special Studies 1: Not reported
Special Studies 2: Not reported
Special Studies 3: Not reported
Special Studies 4: Not reported
Special Studies 5: Not reported
Special Studies 6: Not reported
More Than Two Substances Involved?: Not reported
Resp Agency 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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

REDONDO BEACH MARINA (Continued)

S101583044

Comments: Not reported
 Facility Telephone: Not reported
 Waterway Involved: Yes
 Waterway: Redondo Harbor
 Spill Site: Ship/Harbor/Port
 Cleanup By: Unknown
 Containment: Not reported
 What Happened: Not reported
 Type: Not reported
 Measure: Unknown
 Other: Not reported
 Date/Time: 800
 Year: 2010
 Agency: NRC
 Incident Date: 9/3/2010
 Admin Agency: Redondo Beach Fire Department
 Amount: Not reported
 Contained: No
 Site Type: Redondo Harbor
 E Date: Not reported
 Substance: Diesel
 Quantity Released: Not reported
 BBLS: Not reported
 Cups: Not reported
 CUFT: Not reported
 Gallons: Not reported
 Grams: Not reported
 Pounds: Not reported
 Liters: Not reported
 Ounces: Not reported
 Pints: Not reported
 Quarts: Not reported
 Sheen: Not reported
 Tons: Not reported
 Unknown: Not reported
 Evacuations: Not reported
 Number of Injuries: Not reported
 Number of Fatalities: Not reported
 Description: Per NRC Fax: The caller is reporting that there is a constant fuel leak on a vessel due to equipment failure. They just let it pump out of the bilge 24 hours a day. The fuel involved is diesel. This has been on for a long time and the people refuse to fix it. Sheen color is faint colors, Sheen size is 600 Ft X 60 Ft.

43
 NNE
 1/4-1/2
 0.471 mi.
 2485 ft.

TOSCO S.S. #2947
247 PACIFIC COAST
HERMOSA BEACH, CA 90010

HIST CORTESE S105025721
N/A

Relative:
Higher

CORTESE:
 Region: CORTESE
 Facility County Code: 19
 Reg By: LTNKA
 Reg Id: R-09968

Actual:
89 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

44
SE
1/2-1
0.587 mi.
3100 ft.

PARISIAN CLEANERS
400 DIAMOND ST
REDONDO BEACH, CA 90277

RCRA-NonGen 1000262961
FINDS CAD096021159
HIST CORTESE
LA Co. Site Mitigation
HAZNET
ENVIROSTOR

Relative:
Higher

RCRA-NonGen:

Actual:
70 ft.

Date form received by agency: 06/18/1986
Facility name: PARISIAN CLEANERS
Facility address: 400 DIAMOND ST
REDONDO BEACH, CA 90277
EPA ID: CAD096021159
Mailing address: DIAMOND ST
REDONDO BEACH, CA 90277
Contact: ENVIRONMENTAL MANAGER
Contact address: 400 DIAMOND ST
REDONDO BEACH, CA 90277
Contact country: US
Contact telephone: (213) 372-6206
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: D & G COURY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARISIAN CLEANERS (Continued)

1000262961

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002665054

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.

CORTESE:

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 2905

LA Co. Site Mitigation:

Facility ID: FA0009009
Site ID: SD0010034
Case ID: RO0010034
Abated: Yes
Assigned To: Kim Clark
Entered Date: 5/11/2004
Abated Date: 12/16/2002

HAZNET:

Year: 2002
Gepaid: CAD096021159
Contact: DAVID COURY
Telephone: 3103726205
Mailing Name: Not reported
Mailing Address: 222 N BROADWAY
Mailing City,St,Zip: REDONDO BCH, CA 902770000
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Kings
Waste Category: Contaminated soil from site clean-up
Disposal Method: H01
Tons: 0.25
Facility County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARISIAN CLEANERS (Continued)

1000262961

Year: 2002
Gepaid: CAD096021159
Contact: DAVID COURY
Telephone: 3103726205
Mailing Name: Not reported
Mailing Address: 222 N BROADWAY
Mailing City,St,Zip: REDONDO BCH, CA 902770000
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Kings
Waste Category: Contaminated soil from site clean-up
Disposal Method: D80
Tons: 166.87
Facility County: Not reported

Year: 2000
Gepaid: CAD096021159
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 400 DIAMOND ST
Mailing City,St,Zip: REDONDO BEACH, CA 902772835
Gen County: Los Angeles
TSD EPA ID: AZD009015389
TSD County: 99
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: R01
Tons: .0700
Facility County: Los Angeles

Year: 2000
Gepaid: CAD096021159
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 400 DIAMOND ST
Mailing City,St,Zip: REDONDO BEACH, CA 902772835
Gen County: Los Angeles
TSD EPA ID: CAD981397417
TSD County: Los Angeles
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: R01
Tons: .0834
Facility County: Los Angeles

Year: 1999
Gepaid: CAD096021159
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 400 DIAMOND ST
Mailing City,St,Zip: REDONDO BEACH, CA 902772835
Gen County: Los Angeles
TSD EPA ID: CAD981397417
TSD County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PARISIAN CLEANERS (Continued)

1000262961

Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: R01
Tons: 0.5048
Facility County: Los Angeles

[Click this hyperlink](#) while viewing on your computer to access 10 additional CA_HAZNET: record(s) in the EDR Site Report.

ENVIROSTOR:

Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Facility ID: 19720037
Site Code: Not reported
Assembly: 53
Senate: 28
Special Program: Not reported
Status: Refer: 1248 Local Agency
Status Date: 11/02/2001
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.84426
Longitude: -118.3878
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19720037
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

45
NE
1/2-1
0.702 mi.
3709 ft.

1609-11 RIPLEY LANE
1609-11 RIPLEY LANE
REDONDO BEACH, CA 90278

ENVIROSTOR S106797558
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
196 ft.

Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0.1
NPL: NO
Regulatory Agencies: LOS ANGELES COUNTY
Lead Agency: LOS ANGELES COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Facility ID: 19130117
Site Code: Not reported
Assembly: 53
Senate: 28
Special Program: Not reported
Status: Refer: 1248 Local Agency
Status Date: 06/18/2001
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.85674
Longitude: -118.3845
APN: 41600210, 4160021055, 41600211, 41600212, 41600213
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 41600210
Alias Type: APN
Alias Name: 4160021055
Alias Type: APN
Alias Name: 41600211
Alias Type: APN
Alias Name: 41600212
Alias Type: APN
Alias Name: 41600213
Alias Type: APN
Alias Name: 19130117
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 2001-07-17 00:00:00
Comments: SB 1248 Los Angeles County

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1609-11 RIPLEY LANE (Continued)

S106797558

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

46
SSE
1/2-1
0.736 mi.
3885 ft.

MICROTRONICS, INC
116 SOUTH CATALINA AVENUE
REDONDO BEACH, CA 90277

ENVIROSTOR S101480881
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
72 ft.

Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * MMONROY
Division Branch: Cleanup Cypress
Facility ID: 19360405
Site Code: Not reported
Assembly: 53
Senate: 28
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Status: Refer: Other Agency
Status Date: 03/21/1984
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 33.84089
Longitude: -118.3878
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: 10003, 10009, 10037, 10067, 10198, 20017, 30160
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: BUYER EQUITY EXCHANGE(1983-PRESENT)
Alias Type: Alternate Name
Alias Name: CAD008366015
Alias Type: EPA Identification Number
Alias Name: 19360405
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 1994-10-27 00:00:00
Comments: Database verification program confirmed the NFA status for DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 1984-03-21 00:00:00
Comments: DOCUMENTED HAZ WASTE BY-PRODUCTS INCLUD H2O SOLUBLE CLEANERS & COPPER. SOURCE ACT: IW PERMIT APPLI 59147 - PROD OF PRINTED CIRCUIT BOARDS FAC TYPE: NON-COMPLI IW #11066 8/9/79 #24532 10/18/77 - DISCH INTO CO SEWER 100GAL/D. INCIDENT: 12/20/80, 8/13/79, 8/9/79 - IW

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MICROTRONICS, INC (Continued)

S101480881

DISCH VIOS. 6/4/65,3/9/65 - ETCHING ACID (FERRIC CHLORE) SPLASHED IN EYES OF WRKR SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 1983-02-11 00:00:00
Comments: FACILITY IDENTIFIED L. A. CHAM OF COMM BUS DIR 1969

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 1983-09-28 00:00:00
Comments: FACILITY IDENTIFIED ID FROM ERRIS

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

47
NE
1/2-1
0.801 mi.
4227 ft.

CALIFORNIA DELTA BAKER
604-612 REYNOLDS LANE
REDONDO BEACH, CA 90278

ENVIROSTOR S106797556
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
169 ft.

Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Facility ID: 19130115
Site Code: Not reported
Assembly: 53
Senate: 28
Special Program: Not reported
Status: Refer: 1248 Local Agency
Status Date: 02/27/2001
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.85960
Longitude: -118.3850
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CALIFORNIA DELTA BAKER (Continued)

S106797556

Alias Name: 19130115
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: SB 1248 Notification
Completed Date: 2001-02-27 00:00:00
Comments: SB 1248 Los Angeles County

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

48
NE
1/2-1
0.939 mi.
4958 ft.

ADVANCED DESIGN & CONSTRUCTION INC.
1740 CARLSON LANE
REDONDO BEACH, CA 90278

ENVIROSTOR S106665611
N/A

Relative:
Higher

Actual:
174 ft.

ENVIROSTOR:
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: LOS ANGELES COUNTY
Lead Agency: LOS ANGELES COUNTY
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Facility ID: 19000028
Site Code: Not reported
Assembly: 53
Senate: 28
Special Program: Not reported
Status: Refer: 1248 Local Agency
Status Date: 04/02/2004
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.85982
Longitude: -118.3813
APN: 4160010003, 4160010059
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 4160010003
Alias Type: APN
Alias Name: 4160010059
Alias Type: APN
Alias Name: 19000028

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ADVANCED DESIGN & CONSTRUCTION INC. (Continued)

S106665611

Alias Type:	Envirostor ID Number
Completed Info:	
Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
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

49
ENE
1/2-1
0.941 mi.
4969 ft.

REDONDO BEACH POLICE SHOOTING RANGE
1513 BERYL STREET
REDONDO BEACH, CA 90277

SWF/LF **S102360661**
VCP **N/A**
ENVIROSTOR

Relative:
Higher

Actual: 139 ft.	SWF/LF (SWIS):	
	Region:	STATE
	Facility ID:	19-AA-0389
	Lat/Long:	33.8560599 / -118.37560
	Owner Name:	City Of Redondo Beach
	Owner Telephone:	3103180613
	Owner Address:	Not reported
	Owner Address2:	415 Diamond Street
	Owner City,St,Zip:	Redondo Beach, CA 90277
	Operator:	City Of Redondo Beach
	Operator Phone:	3103180613
	Operator Address:	Not reported
	Operator Address2:	415 Diamond Street
	Operator City,St,Zip:	Redondo Beach, CA 90277
	Operator's Status:	Active
	Permit Date:	01/09/2001
	Permit Status:	Notification
	Permitted Acreage:	Not reported
	Activity:	Limited Volume Transfer Operation
	Regulation Status:	Notification
	Landuse Name:	Not reported
	GIS Source:	Map
	Category:	Transfer/Processing
	Unit Number:	01
	Inspection Frequency:	Quarterly
	Accepted Waste:	Construction/demolition,Green Materials,Mixed municipal
	Closure Date:	Not reported
	Closure Type:	Not reported
	Disposal Acreage:	Not reported
	SWIS Num:	19-AA-0389
	Waste Discharge Requirement Num:	Not reported
	Program Type:	Not reported
	Permitted Throughput with Units:	46

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO BEACH POLICE SHOOTING RANGE (Continued)

S102360661

Actual Throughput with Units: Cu Yards/day
Permitted Capacity with Units: 7176
Remaining Capacity: Not reported
Remaining Capacity with Units: Cu Yards/year

LOS ANGELES CO. LF:

Site ID: 194
Alt. Address: Not reported
Site Contact: Not reported
Site Contact Phone: Not reported
Site Email: Not reported
Site Website: Not reported
Site Type: TRANSFER AND PROCESSING FACILITY
Site SWIS Number: 19-AA-0389
Operator Name: City of Redondo Beach
Operator Address: P.O. Box 270
Operator City/State/Zip: Redondo Beach, CA 90277
Operator Contact: Not reported
Operator Telephone: (310) 318-0613
Operator Email: Not reported
Owner Name: Unknown
Owner Address: Not reported
Owner City/State/Zip: Not reported
Owner Contact: Not reported
Owner Telephone: Not reported
Owner Email: Not reported
Beginning Operation Date: Not reported
Disposal Area(Acre): Not reported
Local Enforcement Agency: Not reported
Maximun Depth Fill(Ft): Not reported
Permitted Capacity: Not reported
Present Use: Not reported
Remaining Capacity(Million): Not reported
Status: Active
Waste Accepted: Construction & Demolition; Household Trash; Green Materials
Area: Not reported

VCP:

Facility ID: 80001232
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 5
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: NONE SPECIFIED
Lead Agency Description: Not reported
Project Manager: JUAN OSORNIO
Supervisor: Thomas Cota
Division Branch: Cleanup Cypress
Site Code: 401463
Assembly: 53
Senate: 28
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 10/01/2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO BEACH POLICE SHOOTING RANGE (Continued)

S102360661

Restricted Use: NO
Funding: Other Non-Military Funds
Lat/Long: 0 / 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 401463
Alias Type: Project Code (Site Code)
Alias Name: 80001232
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
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

ENVIROSTOR:

Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: NONE SPECIFIED
Program Manager: JUAN OSORNIO
Supervisor: Thomas Cota
Division Branch: Cleanup Cypress
Facility ID: 80001232
Site Code: 401463
Assembly: 53
Senate: 28
Special Program: Voluntary Cleanup Program
Status: Active
Status Date: 10/01/2008
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Other Non-Military Funds
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDONDO BEACH POLICE SHOOTING RANGE (Continued)

S102360661

Alias Name: 401463
Alias Type: Project Code (Site Code)
Alias Name: 80001232
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
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

Count: 21 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
HERMOSA REDONDO	U001563598	STA. 29-A HERMOSA REDONDO	SO SIDE PROSPECT AT E. AGATE S	90277	HIST UST
LOS ANGELES COUNTY	M300003096	VULCAN MATERIALS CO.	SUN VALLEY (#002)		MINES
REDONDO BEACH	S107144554	NORTHROP GRUMMAN SPACE & MISSION S	1ST SPACE PARK BLVD & 2302ND	90278	HAZNET, ENVIROSTOR, HWP
REDONDO BEACH	S105025719	EAGLE ENERGY CARDLOCK	136 CATALINA	90277	HIST CORTESE
REDONDO BEACH	S101297847	US POSTAL SERVICE	1201 CATALINA	90277	HIST CORTESE
REDONDO BEACH	S100858755	CITY OF REDONDO BEACH FIRE DEPT	MCCANDLES SCH		HAZNET
REDONDO BEACH	99647254	OFFSHORE OF REDONDO BEACH HARBOR	OFFSHORE OF REDONDO BEACH HARB		ERNS
REDONDO BEACH	1000596806	REDONDO CLEANERS	403 N PCH 111	90277	RCRA-SQG, FINDS, DRYCLEANERS, HAZNET
REDONDO BEACH	S102826731	REDONDO SHORES CHIROPRACTIC	409 N PCH	90277	HAZNET
REDONDO BEACH	94362468	REDONDO BEACH KING HARBOR	REDONDO BEACH KING HARBOR		ERNS
REDONDO BEACH	S102827280	CITY OF REDONDO BEACH	REDONDO BEACH HBR		HAZNET
REDONDO BEACH	94358042	REDONDO BEACH MOLE "B"	REDONDO BEACH MOLE "B"	90277	ERNS
REDONDO BEACH	2010107412	4000 REDONDO BEACH AVE	4000 REDONDO BEACH AVE	90278	HMIRS
REDONDO BEACH	90168448	REDONDO BEACH 45TH ST MANHATTAN BE	REDONDO BEACH 45TH ST MANHATTA	90277	ERNS
REDONDO BEACH	S108202293	CITY OF REDONDO BEACH OIL COLLECTI	ROCKY PT	90277	HAZNET
REDONDO BEACH	S109424983	CITY OF REDONDO BEACH OIL COLLECTI	ROCKY PT	90277	HAZNET
REDONDO BEACH	S107146900	CITY OF REDONDO BEACH	UNDERNEATH REDONDO BCH	90277	HAZNET
REDONDO BEACH	S105092350	CITY REDONDO BEACH	UNDERNTH REDONDO BCH	90277	HAZNET
REDONDO BEACH	S102809011	CITY OF REDONDO BEACH	VACANT SCH	90277	HAZNET
TORRANCE	S111076134	TORRANCE SUMP	233RD STREET AND ARLINGTON AVE	90503	SWF/LF
TORRANCE	1000353590	TORRANCE LDFL	SE COR MADRONA & DEL AMO BLVD	90503	CERC-NFRAP

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: 06/30/2011	Source: EPA
Date Data Arrived at EDR: 07/12/2011	Telephone: N/A
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/12/2011
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/23/2012
	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: 06/30/2011	Source: EPA
Date Data Arrived at EDR: 07/12/2011	Telephone: N/A
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/12/2011
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/23/2012
	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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	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: 06/30/2011	Source: EPA
Date Data Arrived at EDR: 07/12/2011	Telephone: N/A
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/12/2011
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/23/2012
	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: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/01/2011	Telephone: 703-412-9810
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 09/01/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/12/2011
	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's Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 10/14/2011
Number of Days to Update: 36	Next Scheduled EDR Contact: 01/23/2012
	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: 02/25/2011	Source: EPA
Date Data Arrived at EDR: 03/01/2011	Telephone: 703-412-9810
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 09/01/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/12/2011
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/09/2011
Date Data Arrived at EDR: 03/15/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 91

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
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: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
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: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
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: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
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: 06/15/2011
Date Data Arrived at EDR: 07/07/2011
Date Made Active in Reports: 08/08/2011
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 10/05/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/16/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2011	Telephone: 703-603-0695
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 09/12/2011
Number of Days to Update: 81	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/16/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2011	Telephone: 703-603-0695
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 09/12/2011
Number of Days to Update: 81	Next Scheduled EDR Contact: 12/26/2011
	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: 07/05/2011	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 07/05/2011	Telephone: 202-267-2180
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/04/2011
Number of Days to Update: 86	Next Scheduled EDR Contact: 01/16/2012
	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: 09/13/2011	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/15/2011	Telephone: 916-323-3400
Date Made Active in Reports: 10/24/2011	Last EDR Contact: 09/15/2011
Number of Days to Update: 39	Next Scheduled EDR Contact: 11/21/2011
	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 identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/13/2011
Date Data Arrived at EDR: 09/15/2011
Date Made Active in Reports: 10/24/2011
Number of Days to Update: 39

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/15/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/22/2011
Date Data Arrived at EDR: 08/24/2011
Date Made Active in Reports: 10/03/2011
Number of Days to Update: 40

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/24/2011
Next Scheduled EDR Contact: 12/05/2011
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calaveras, 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: Quarterly

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

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: 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: 09/19/2011
Date Data Arrived at EDR: 09/20/2011
Date Made Active in Reports: 10/24/2011
Number of Days to Update: 34

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/20/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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: 09/19/2011
Date Data Arrived at EDR: 09/20/2011
Date Made Active in Reports: 10/24/2011
Number of Days to Update: 34

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/20/2011
Next Scheduled EDR Contact: 01/02/2012
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/04/2011	Source: EPA Region 10
Date Data Arrived at EDR: 08/05/2011	Telephone: 206-553-2857
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 39	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Quarterly

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: 05/05/2011	Source: EPA Region 1
Date Data Arrived at EDR: 08/02/2011	Telephone: 617-918-1313
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 11/01/2011
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/18/2011	Source: EPA Region 8
Date Data Arrived at EDR: 08/19/2011	Telephone: 303-312-6271
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-6597
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/13/2012
	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: 08/11/2011	Source: EPA Region 4
Date Data Arrived at EDR: 08/12/2011	Telephone: 404-562-8677
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 32	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Semi-Annually

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/31/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/01/2011	Telephone: 415-972-3372
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 48	Next Scheduled EDR Contact: 02/13/2012
	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: 02/16/2011	Source: EPA Region 7
Date Data Arrived at EDR: 06/02/2011	Telephone: 913-551-7003
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 103	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

State and tribal registered storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/19/2011	Source: SWRCB
Date Data Arrived at EDR: 09/20/2011	Telephone: 916-480-1028
Date Made Active in Reports: 10/19/2011	Last EDR Contact: 09/20/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-341-5712
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 10/11/2011
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/23/2012
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/04/2011	Source: EPA Region 10
Date Data Arrived at EDR: 08/05/2011	Telephone: 206-553-2857
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 39	Next Scheduled EDR Contact: 02/13/2012
	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: 08/04/2011	Source: EPA Region 9
Date Data Arrived at EDR: 08/05/2011	Telephone: 415-972-3368
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 39	Next Scheduled EDR Contact: 02/13/2012
	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: 08/18/2011	Source: EPA Region 8
Date Data Arrived at EDR: 08/19/2011	Telephone: 303-312-6137
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 02/13/2012
	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: 04/01/2011	Source: EPA Region 7
Date Data Arrived at EDR: 06/01/2011	Telephone: 913-551-7003
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/13/2012
	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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
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: 07/01/2011
Date Data Arrived at EDR: 08/26/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 18

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations).

Date of Government Version: 08/11/2011
Date Data Arrived at EDR: 08/12/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 32

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
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: 05/05/2011
Date Data Arrived at EDR: 08/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 36

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
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: 10/17/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/13/2011
Date Data Arrived at EDR: 09/15/2011
Date Made Active in Reports: 10/24/2011
Number of Days to Update: 39

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/15/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 05/05/2011
Date Data Arrived at EDR: 07/05/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 70

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/04/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/27/2011
Date Data Arrived at EDR: 06/27/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/28/2011
Next Scheduled EDR Contact: 01/09/2012
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: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 08/15/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/08/2011	Source: Department of Conservation
Date Data Arrived at EDR: 09/20/2011	Telephone: 916-323-3836
Date Made Active in Reports: 10/24/2011	Last EDR Contact: 09/20/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 09/14/2011	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 09/15/2011	Telephone: 916-341-6422
Date Made Active in Reports: 10/24/2011	Last EDR Contact: 09/06/2011
Number of Days to Update: 39	Next Scheduled EDR Contact: 12/05/2011
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 08/08/2011
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/21/2011
	Data Release Frequency: Varies

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: 06/08/2011	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/16/2011	Telephone: 202-307-1000
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 09/07/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 12/19/2011
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/13/2011
Date Data Arrived at EDR: 09/15/2011
Date Made Active in Reports: 10/24/2011
Number of Days to Update: 39

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/15/2011
Next Scheduled EDR Contact: 11/21/2011
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: 06/30/2011
Date Data Arrived at EDR: 08/11/2011
Date Made Active in Reports: 09/09/2011
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 10/03/2011
Next Scheduled EDR Contact: 01/16/2012
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: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 09/06/2011
Number of Days to Update: 8	Next Scheduled EDR Contact: 12/19/2011
	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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: 09/09/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/16/2011	Telephone: 202-564-6023
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/11/2011
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/05/2011
	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: 09/19/2011	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/20/2011	Telephone: 916-323-3400
Date Made Active in Reports: 10/24/2011	Last EDR Contact: 09/12/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/12/2011	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/13/2011	Telephone: 916-323-3400
Date Made Active in Reports: 10/07/2011	Last EDR Contact: 09/13/2011
Number of Days to Update: 24	Next Scheduled EDR Contact: 12/26/2011
	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: 07/05/2011	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/05/2011	Telephone: 202-366-4555
Date Made Active in Reports: 09/30/2011	Last EDR Contact: 10/04/2011
Number of Days to Update: 87	Next Scheduled EDR Contact: 01/16/2012
	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: 12/31/2010	Source: Office of Emergency Services
Date Data Arrived at EDR: 05/03/2011	Telephone: 916-845-8400
Date Made Active in Reports: 06/15/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 43	Next Scheduled EDR Contact: 02/13/2012
	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: 09/19/2011	Source: State Water Quality Control Board
Date Data Arrived at EDR: 09/20/2011	Telephone: 866-480-1028
Date Made Active in Reports: 10/24/2011	Last EDR Contact: 09/20/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/02/2012
	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: 09/19/2011	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/20/2011	Telephone: 866-480-1028
Date Made Active in Reports: 10/24/2011	Last EDR Contact: 09/20/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-NonGen: 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: 06/15/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/07/2011	Telephone: (415) 495-8895
Date Made Active in Reports: 08/08/2011	Last EDR Contact: 10/05/2011
Number of Days to Update: 32	Next Scheduled EDR Contact: 01/16/2012
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2011	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/11/2011	Telephone: 202-366-4595
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 08/09/2011
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/21/2011
	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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/20/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/30/2012
	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: 12/31/2009	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/12/2010	Telephone: 202-528-4285
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 09/12/2011
Number of Days to Update: 112	Next Scheduled EDR Contact: 12/26/2011
	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: 06/01/2011	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 08/19/2011	Telephone: Varies
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 10/03/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/16/2012
	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: 07/31/2011	Source: EPA
Date Data Arrived at EDR: 09/14/2011	Telephone: 703-416-0223
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 09/14/2011
Number of Days to Update: 15	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Department of Energy
Date Data Arrived at EDR: 10/21/2010	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2011	Last EDR Contact: 08/31/2011
Number of Days to Update: 99	Next Scheduled EDR Contact: 12/12/2011
	Data Release Frequency: Varies

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: 08/18/2011	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/08/2011	Telephone: 303-231-5959
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 09/08/2011
Number of Days to Update: 21	Next Scheduled EDR Contact: 12/19/2011
	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: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/17/2010	Telephone: 202-566-0250
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 09/01/2011
Number of Days to Update: 94	Next Scheduled EDR Contact: 12/12/2011
	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	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 09/27/2011
Number of Days to Update: 64	Next Scheduled EDR Contact: 01/09/2012
	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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/31/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/12/2011
	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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/31/2011
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/12/2011
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	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	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/21/2011	Telephone: 202-564-5088
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 09/26/2011
Number of Days to Update: 59	Next Scheduled EDR Contact: 01/09/2012
	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: 11/01/2010	Source: EPA
Date Data Arrived at EDR: 11/10/2010	Telephone: 202-566-0500
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 10/19/2011
Number of Days to Update: 98	Next Scheduled EDR Contact: 01/30/2012
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/21/2011	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/15/2011	Telephone: 301-415-7169
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 09/12/2011
Number of Days to Update: 60	Next Scheduled EDR Contact: 12/26/2011
	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: 01/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/13/2011	Telephone: 202-343-9775
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 10/13/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/23/2012
	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: 04/14/2010	Source: EPA
Date Data Arrived at EDR: 04/16/2010	Telephone: (415) 947-8000
Date Made Active in Reports: 05/27/2010	Last EDR Contact: 09/13/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 12/26/2011
	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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

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: 12/31/2009	Source: EPA/NTIS
Date Data Arrived at EDR: 03/01/2011	Telephone: 800-424-9346
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 09/01/2011
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/12/2011
	Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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: 08/31/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Quarterly

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/23/2011
Date Data Arrived at EDR: 08/24/2011
Date Made Active in Reports: 10/03/2011
Number of Days to Update: 40

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/24/2011
Next Scheduled EDR Contact: 12/05/2011
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). This listing is no longer updated by the state agency.

Date of Government Version: 10/03/2011
Date Data Arrived at EDR: 10/04/2011
Date Made Active in Reports: 10/25/2011
Number of Days to Update: 21

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 10/04/2011
Next Scheduled EDR Contact: 01/16/2012
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 [CAL SITES].

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: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/28/2011	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 07/21/2011	Telephone: 916-327-4498
Date Made Active in Reports: 08/11/2011	Last EDR Contact: 09/12/2011
Number of Days to Update: 21	Next Scheduled EDR Contact: 12/26/2011
	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	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 10/03/2011
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/16/2012
	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: 08/15/2011	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/23/2011	Telephone: 916-445-9379
Date Made Active in Reports: 10/03/2011	Last EDR Contact: 10/31/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 02/13/2012
	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: 12/31/2010	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/19/2011	Telephone: 916-255-1136
Date Made Active in Reports: 08/16/2011	Last EDR Contact: 10/17/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/30/2012
	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: 12/31/2008	Source: California Air Resources Board
Date Data Arrived at EDR: 09/29/2010	Telephone: 916-322-2990
Date Made Active in Reports: 10/18/2010	Last EDR Contact: 09/30/2011
Number of Days to Update: 19	Next Scheduled EDR Contact: 01/09/2012
	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	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/20/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/30/2012
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 10/24/2011
Number of Days to Update: 54	Next Scheduled EDR Contact: 02/06/2012
	Data Release Frequency: Varies

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/08/2011	Source: Department of Conservation
Date Data Arrived at EDR: 09/20/2011	Telephone: 916-323-3836
Date Made Active in Reports: 10/24/2011	Last EDR Contact: 09/20/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

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: 09/09/2011	Source: Department of Public Health
Date Data Arrived at EDR: 09/13/2011	Telephone: 916-558-1784
Date Made Active in Reports: 10/10/2011	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Varies

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	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 10/18/2011
Number of Days to Update: 76	Next Scheduled EDR Contact: 01/30/2012
	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: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 09/16/2011
Number of Days to Update: 77	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: Varies

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/18/2011	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/19/2011	Telephone: 916-440-7145
Date Made Active in Reports: 08/11/2011	Last EDR Contact: 10/21/2011
Number of Days to Update: 23	Next Scheduled EDR Contact: 01/30/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 08/09/2010	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/11/2010	Telephone: 916-323-3400
Date Made Active in Reports: 08/20/2010	Last EDR Contact: 09/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 12/12/2011
	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: 09/14/2011	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 09/16/2011	Telephone: 916-341-6066
Date Made Active in Reports: 10/24/2011	Last EDR Contact: 09/14/2011
Number of Days to Update: 38	Next Scheduled EDR Contact: 12/05/2011
	Data Release Frequency: Varies

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 03/01/2007	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/01/2007	Telephone: 916-255-3628
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 08/05/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: Varies

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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/20/2011
Number of Days to Update: 339	Next Scheduled EDR Contact: 01/30/2012
	Data Release Frequency: N/A

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/18/2009	Telephone: 202-566-0517
Date Made Active in Reports: 05/29/2009	Last EDR Contact: 10/19/2011
Number of Days to Update: 100	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Historical Auto Stations: EDR Proprietary 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.

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 Historical Cleaners: EDR Proprietary 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.

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

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 07/21/2011
Date Data Arrived at EDR: 07/21/2011
Date Made Active in Reports: 08/11/2011
Number of Days to Update: 21

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/03/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/21/2011
Date Data Arrived at EDR: 07/21/2011
Date Made Active in Reports: 08/11/2011
Number of Days to Update: 21

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/03/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Semi-Annually

BUTTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 03/29/2011
Date Data Arrived at EDR: 04/20/2011
Date Made Active in Reports: 05/17/2011
Number of Days to Update: 27

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Varies

COLUSA COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 12/01/2010
Date Data Arrived at EDR: 04/20/2011
Date Made Active in Reports: 05/17/2011
Number of Days to Update: 27

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/17/2011
Next Scheduled EDR Contact: 10/31/2011
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: 08/30/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 09/19/2011
Number of Days to Update: 19

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 08/09/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Semi-Annually

EL DORADO COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 09/09/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/03/2011
Number of Days to Update: 24

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 08/22/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/18/2011
Date Data Arrived at EDR: 07/19/2011
Date Made Active in Reports: 08/11/2011
Number of Days to Update: 23

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/17/2011
Next Scheduled EDR Contact: 01/30/2012
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA facility list.

Date of Government Version: 02/08/2011
Date Data Arrived at EDR: 03/03/2011
Date Made Active in Reports: 03/24/2011
Number of Days to Update: 21

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 10/27/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 10/03/2011
Number of Days to Update: 20

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 09/13/2011
Next Scheduled EDR Contact: 11/28/2011
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: 06/09/2011
Date Data Arrived at EDR: 06/09/2011
Date Made Active in Reports: 07/08/2011
Number of Days to Update: 29

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 12/12/2011
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: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/28/2011	Source: Department of Public Works
Date Data Arrived at EDR: 09/13/2011	Telephone: 626-458-3517
Date Made Active in Reports: 10/07/2011	Last EDR Contact: 10/17/2011
Number of Days to Update: 24	Next Scheduled EDR Contact: 01/30/2012
	Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/25/2011	Source: La County Department of Public Works
Date Data Arrived at EDR: 07/27/2011	Telephone: 818-458-5185
Date Made Active in Reports: 08/11/2011	Last EDR Contact: 10/25/2011
Number of Days to Update: 15	Next Scheduled EDR Contact: 11/07/2011
	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	Source: Engineering & Construction Division
Date Data Arrived at EDR: 03/10/2009	Telephone: 213-473-7869
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 08/23/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/05/2011
	Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/09/2011	Source: Community Health Services
Date Data Arrived at EDR: 02/09/2011	Telephone: 323-890-7806
Date Made Active in Reports: 03/04/2011	Last EDR Contact: 10/24/2011
Number of Days to Update: 23	Next Scheduled EDR Contact: 02/06/2012
	Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 02/03/2011	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 02/08/2011	Telephone: 310-524-2236
Date Made Active in Reports: 03/03/2011	Last EDR Contact: 10/24/2011
Number of Days to Update: 23	Next Scheduled EDR Contact: 02/06/2012
	Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 10/23/2003	Telephone: 562-570-2563
Date Made Active in Reports: 11/26/2003	Last EDR Contact: 10/31/2011
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/13/2012
	Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/18/2011	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 07/21/2011	Telephone: 310-618-2973
Date Made Active in Reports: 08/11/2011	Last EDR Contact: 10/17/2011
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/30/2012
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/13/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 10/04/2011
Number of Days to Update: 21

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 07/15/2011
Date Data Arrived at EDR: 07/25/2011
Date Made Active in Reports: 08/11/2011
Number of Days to Update: 17

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 10/11/2011
Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 09/23/2011
Date Data Arrived at EDR: 09/23/2011
Date Made Active in Reports: 10/24/2011
Number of Days to Update: 31

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 09/19/2011
Date Data Arrived at EDR: 09/20/2011
Date Made Active in Reports: 10/24/2011
Number of Days to Update: 34

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 08/31/2011
Next Scheduled EDR Contact: 12/12/2011
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: 07/09/2008
Date Data Arrived at EDR: 07/09/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 22

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/22/2011
Date Data Arrived at EDR: 08/23/2011
Date Made Active in Reports: 09/19/2011
Number of Days to Update: 27

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 08/22/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 08/01/2011
Date Data Arrived at EDR: 08/23/2011
Date Made Active in Reports: 09/19/2011
Number of Days to Update: 27

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/17/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/02/2011
Date Data Arrived at EDR: 08/23/2011
Date Made Active in Reports: 10/03/2011
Number of Days to Update: 41

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/17/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/01/2011
Date Data Arrived at EDR: 08/23/2011
Date Made Active in Reports: 09/16/2011
Number of Days to Update: 24

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/17/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 10/18/2011
Number of Days to Update: 35

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/14/2011	Source: Department of Environmental Health
Date Data Arrived at EDR: 07/22/2011	Telephone: 951-358-5055
Date Made Active in Reports: 08/11/2011	Last EDR Contact: 09/26/2011
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/20/2011	Source: Department of Environmental Health
Date Data Arrived at EDR: 07/22/2011	Telephone: 951-358-5055
Date Made Active in Reports: 08/11/2011	Last EDR Contact: 09/26/2011
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/26/2012
	Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 05/02/2011	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 07/19/2011	Telephone: 916-875-8406
Date Made Active in Reports: 08/11/2011	Last EDR Contact: 10/07/2011
Number of Days to Update: 23	Next Scheduled EDR Contact: 01/23/2012
	Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/02/2011	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 07/19/2011	Telephone: 916-875-8406
Date Made Active in Reports: 08/11/2011	Last EDR Contact: 10/07/2011
Number of Days to Update: 23	Next Scheduled EDR Contact: 01/23/2012
	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: 08/26/2011	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 08/31/2011	Telephone: 909-387-3041
Date Made Active in Reports: 09/19/2011	Last EDR Contact: 08/15/2011
Number of Days to Update: 19	Next Scheduled EDR Contact: 11/28/2011
	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.)

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/09/2010
Date Data Arrived at EDR: 09/15/2010
Date Made Active in Reports: 09/29/2010
Number of Days to Update: 14

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/16/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2010
Date Data Arrived at EDR: 11/16/2010
Date Made Active in Reports: 01/25/2011
Number of Days to Update: 70

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
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: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
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: 09/27/2011
Date Data Arrived at EDR: 09/28/2011
Date Made Active in Reports: 10/19/2011
Number of Days to Update: 21

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa Facility List.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 24

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 07/13/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 08/11/2011
Number of Days to Update: 27

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/12/2012
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 09/20/2011
Date Data Arrived at EDR: 09/22/2011
Date Made Active in Reports: 10/24/2011
Number of Days to Update: 32

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
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: 08/31/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Varies

SANTA CLARA COUNTY:

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: 09/06/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 10/10/2011
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 09/01/2011
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 10/03/2011
Number of Days to Update: 32

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/31/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 08/31/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 09/09/2011
Number of Days to Update: 9

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/31/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 08/31/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 09/19/2011
Number of Days to Update: 19

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/31/2011
Next Scheduled EDR Contact: 12/12/2011
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: 09/20/2011
Date Data Arrived at EDR: 09/28/2011
Date Made Active in Reports: 10/25/2011
Number of Days to Update: 27

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/20/2011
Date Data Arrived at EDR: 09/28/2011
Date Made Active in Reports: 10/19/2011
Number of Days to Update: 21

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/05/2011
Date Data Arrived at EDR: 04/06/2011
Date Made Active in Reports: 05/12/2011
Number of Days to Update: 36

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 10/03/2011
Next Scheduled EDR Contact: 01/16/2012
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 10/19/2011
Number of Days to Update: 36

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

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: 07/26/2011
Date Data Arrived at EDR: 08/26/2011
Date Made Active in Reports: 09/19/2011
Number of Days to Update: 24

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/23/2011
Next Scheduled EDR Contact: 12/05/2011
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: 09/14/2011
Date Data Arrived at EDR: 09/15/2011
Date Made Active in Reports: 10/24/2011
Number of Days to Update: 39

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 01/23/2012
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/23/2011
Next Scheduled EDR Contact: 12/05/2011
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: 07/26/2011
Date Data Arrived at EDR: 08/08/2011
Date Made Active in Reports: 09/09/2011
Number of Days to Update: 32

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/31/2011
Next Scheduled EDR Contact: 02/13/2012
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/30/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 09/20/2011	Telephone: 805-654-2813
Date Made Active in Reports: 10/19/2011	Last EDR Contact: 09/20/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 08/15/2011	Source: Yolo County Department of Health
Date Data Arrived at EDR: 08/23/2011	Telephone: 530-666-8646
Date Made Active in Reports: 09/16/2011	Last EDR Contact: 10/11/2011
Number of Days to Update: 24	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 08/23/2011	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 08/26/2011	Telephone: 530-749-7523
Date Made Active in Reports: 09/19/2011	Last EDR Contact: 08/08/2011
Number of Days to Update: 24	Next Scheduled EDR Contact: 11/21/2011
	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: 12/31/2007	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/26/2009	Telephone: 860-424-3375
Date Made Active in Reports: 09/11/2009	Last EDR Contact: 10/28/2011
Number of Days to Update: 16	Next Scheduled EDR Contact: 12/05/2011
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/20/2011	Telephone: N/A
Date Made Active in Reports: 08/11/2011	Last EDR Contact: 10/18/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/30/2012
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/01/2011
Date Data Arrived at EDR: 08/09/2011
Date Made Active in Reports: 09/16/2011
Number of Days to Update: 38

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/09/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/24/2011
Date Made Active in Reports: 06/30/2011
Number of Days to Update: 6

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/31/2011
Next Scheduled EDR Contact: 12/12/2011
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/15/2011
Number of Days to Update: 27

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
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.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.
Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

AES REDONDO PLANT
1100 NORTH HARBOR DRIVE
REDONDO BEACH, CA 90277

TARGET PROPERTY COORDINATES

Latitude (North):	33.85090 - 33° 51' 3.2"
Longitude (West):	118.3945 - 118° 23' 40.2"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	370988.6
UTM Y (Meters):	3746305.0
Elevation:	17 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33118-G4 REDONDO BEACH (DIGITAL), CA
Most Recent Revision:	Not reported

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

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

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

<u>Target Property County</u>	FEMA Flood
LOS ANGELES, CA	<u>Electronic Data</u>
	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06037C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	NWI Electronic
NORTH REDONDO BEACH (OE)	<u>Data Coverage</u>
	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

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: Stratified 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).

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. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: DELHI

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	10 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
2	10 inches	30 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
3	30 inches	50 inches	loamy 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: 20.00 Min: 6.00	Max: 7.80 Min: 6.10
4	50 inches	70 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.10

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: coarse sand
silt loam
sandy loam
gravelly - sand
loamy sand
clay

Surficial Soil Types: coarse sand
silt loam
sandy loam
gravelly - sand
loamy sand

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

clay

Shallow Soil Types: fine sandy loam
 gravelly - loam
 sandy clay loam
 sandy clay

Deeper Soil Types: coarse sand
 silty clay loam
 gravelly - fine sandy loam
 stratified
 gravelly - sandy loam
 weathered bedrock
 clay loam

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

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CA4000657	1/4 - 1/2 Mile ESE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG70000017619	1/4 - 1/2 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	CAOG70000017638	1/4 - 1/2 Mile North
A3	CAOG70000017495	1/4 - 1/2 Mile South
A4	CAOG70000017494	1/4 - 1/2 Mile South
A5	CAOG70000017493	1/4 - 1/2 Mile South
A6	CAOG70000017492	1/4 - 1/2 Mile South
A7	CAOG70000017490	1/4 - 1/2 Mile South
A8	CAOG70000017491	1/4 - 1/2 Mile South
A9	CAOG70000017488	1/4 - 1/2 Mile South
A10	CAOG70000017487	1/4 - 1/2 Mile South
A11	CAOG70000017486	1/4 - 1/2 Mile South
A12	CAOG70000017485	1/4 - 1/2 Mile South
A13	CAOG70000017483	1/4 - 1/2 Mile South
A14	CAOG70000017484	1/4 - 1/2 Mile South
A15	CAOG70000017482	1/4 - 1/2 Mile South
A16	CAOG70000017480	1/4 - 1/2 Mile South
A17	CAOG70000017478	1/4 - 1/2 Mile South
A18	CAOG70000017481	1/4 - 1/2 Mile South
A19	CAOG70000017479	1/4 - 1/2 Mile South
A20	CAOG70000017477	1/4 - 1/2 Mile South
A21	CAOG70000017476	1/4 - 1/2 Mile South
A22	CAOG70000017475	1/4 - 1/2 Mile South
A23	CAOG70000017473	1/4 - 1/2 Mile South
A24	CAOG70000017472	1/4 - 1/2 Mile South
A25	CAOG70000017470	1/4 - 1/2 Mile South
A26	CAOG70000017471	1/4 - 1/2 Mile South
A27	CAOG70000017469	1/4 - 1/2 Mile South
A28	CAOG70000017467	1/4 - 1/2 Mile South
A29	CAOG70000017468	1/4 - 1/2 Mile South
A30	CAOG70000017466	1/4 - 1/2 Mile South
A31	CAOG70000017464	1/4 - 1/2 Mile South
A32	CAOG70000017465	1/4 - 1/2 Mile South
A33	CAOG70000017463	1/4 - 1/2 Mile South
A34	CAOG70000017462	1/4 - 1/2 Mile South
A35	CAOG70000017460	1/4 - 1/2 Mile South
A36	CAOG70000017459	1/4 - 1/2 Mile South
A37	CAOG70000017461	1/4 - 1/2 Mile South
A38	CAOG70000017455	1/4 - 1/2 Mile South
A39	CAOG70000017456	1/4 - 1/2 Mile South
A40	CAOG70000017453	1/4 - 1/2 Mile South
A41	CAOG70000017452	1/4 - 1/2 Mile South
A42	CAOG70000017450	1/4 - 1/2 Mile South
A43	CAOG70000017449	1/4 - 1/2 Mile South
A44	CAOG70000017451	1/4 - 1/2 Mile South
A45	CAOG70000017448	1/4 - 1/2 Mile South
A46	CAOG70000017447	1/4 - 1/2 Mile South
A47	CAOG70000017446	1/4 - 1/2 Mile South
A48	CAOG70000017444	1/4 - 1/2 Mile South
A49	CAOG70000017445	1/4 - 1/2 Mile South
A50	CAOG70000017443	1/4 - 1/2 Mile South
A51	CAOG70000017440	1/4 - 1/2 Mile South
A52	CAOG70000017441	1/4 - 1/2 Mile South
A53	CAOG70000017439	1/4 - 1/2 Mile South
A54	CAOG70000017438	1/4 - 1/2 Mile South
A55	CAOG70000017436	1/4 - 1/2 Mile South
A56	CAOG70000017435	1/4 - 1/2 Mile South
A57	CAOG70000017433	1/4 - 1/2 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A58	CAOG70000017431	1/4 - 1/2 Mile South
A59	CAOG70000017430	1/4 - 1/2 Mile South
A60	CAOG70000017429	1/4 - 1/2 Mile South
B61	CAOG70000017661	1/4 - 1/2 Mile North
B62	CAOG70000017666	1/4 - 1/2 Mile North
B63	CAOG70000017667	1/4 - 1/2 Mile North
C64	CAOG70000017689	1/4 - 1/2 Mile North
C65	CAOG70000017693	1/2 - 1 Mile North
C66	CAOG70000017696	1/2 - 1 Mile North
D67	CAOG70000017646	1/2 - 1 Mile NE
D68	CAOG70000017634	1/2 - 1 Mile ENE
E69	CAOG70000017632	1/2 - 1 Mile ENE
E70	CAOG70000017635	1/2 - 1 Mile ENE
E71	CAOG70000017633	1/2 - 1 Mile ENE
E72	CAOG70000017620	1/2 - 1 Mile ENE
73	CAOG70000017636	1/2 - 1 Mile ENE
F74	CAOG70000017660	1/2 - 1 Mile ENE
F75	CAOG70000017668	1/2 - 1 Mile NE
G76	CAOG70000017598	1/2 - 1 Mile ENE
77	CAOG70000017683	1/2 - 1 Mile NE
G78	CAOG70000017605	1/2 - 1 Mile ENE
G79	CAOG70000017596	1/2 - 1 Mile ENE
H80	CAOG70000017647	1/2 - 1 Mile ENE
I81	CAOG70000017713	1/2 - 1 Mile NE
H82	CAOG70000017651	1/2 - 1 Mile ENE
H83	CAOG70000017648	1/2 - 1 Mile ENE
I84	CAOG70000017711	1/2 - 1 Mile NE
J85	CAOG70000017690	1/2 - 1 Mile NE
J86	CAOG70000017682	1/2 - 1 Mile ENE
K87	CAOG70000017570	1/2 - 1 Mile East
L88	CAOG70000017626	1/2 - 1 Mile ENE
J89	CAOG70000017697	1/2 - 1 Mile NE
90	CAOG70000017774	1/2 - 1 Mile NNE
J91	CAOG70000017679	1/2 - 1 Mile ENE
M92	CAOG70000017657	1/2 - 1 Mile ENE
J93	CAOG70000017691	1/2 - 1 Mile NE
K94	CAOG70000017563	1/2 - 1 Mile East
J95	CAOG70000017700	1/2 - 1 Mile NE
N96	CAOG70000017550	1/2 - 1 Mile East
O97	CAOG70000017687	1/2 - 1 Mile ENE
L98	CAOG70000017624	1/2 - 1 Mile ENE
L99	CAOG70000017639	1/2 - 1 Mile ENE
P100	CAOG70000017721	1/2 - 1 Mile NE
M101	CAOG70000017659	1/2 - 1 Mile ENE
N102	CAOG70000017540	1/2 - 1 Mile East
P103	CAOG70000017715	1/2 - 1 Mile NE
O104	CAOG70000017701	1/2 - 1 Mile NE
Q105	CAOG70000017625	1/2 - 1 Mile ENE
106	CAOG70000017741	1/2 - 1 Mile NE
107	CAOG70000017581	1/2 - 1 Mile East
Q108	CAOG70000017640	1/2 - 1 Mile ENE
109	CAOG70000017564	1/2 - 1 Mile East
O110	CAOG70000017699	1/2 - 1 Mile NE
Q111	CAOG70000017599	1/2 - 1 Mile East
112	CAOG70000017658	1/2 - 1 Mile ENE

PHYSICAL SETTING SOURCE MAP - 3199395.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: AES Redondo Plant
 ADDRESS: 1100 North Harbor Drive
 Redondo Beach CA 90277
 LAT/LONG: 33.8509 / 118.3945

CLIENT: Env. Management Strategies
 CONTACT: Mark Jirgal
 INQUIRY #: 3199395.2s
 DATE: November 03, 2011 11:49 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
ESE
1/4 - 1/2 Mile
Higher

FRDS PWS CA4000657

Pwsid:	CA4000657	Epa region:	09
State:	CA	County:	Not Reported
Pws name:	SOUTH SHORE VILLAGE CLUB		
Population Served:	80	Pwssvconn:	40
PWS Source:	Groundwater		
Pws type:	TNCWS		
Status:	Closed	Owner type:	Private
Facility id:	1		
Facility name:	WELL 01		
Facility type:	Well	Treatment process:	hypochlorination, pre
Treatment objective:	disinfection		
Contact name:	DONNA&LEE JOHNSON		
Original name:	11011 SOUTH SHORE DR PR		
Contact phone:	8052370399	Contact address1:	5329 ROCKPORT CT
Contact address2:	Not Reported		
Contact city:	NEWARK		
Contact zip:	94560		

Pwsid:	CA4000657	Epa region:	09
State:	CA	County:	Not Reported
Pws name:	SOUTH SHORE VILLAGE CLUB		
Population Served:	80	Pwssvconn:	40
PWS Source:	Groundwater		
Pws type:	TNCWS		
Status:	Closed	Owner type:	Private
Facility id:	2		
Facility name:	WELL 02		
Facility type:	Well	Treatment process:	hypochlorination, pre
Treatment objective:	disinfection		
Contact name:	DONNA&LEE JOHNSON		
Original name:	11011 SOUTH SHORE DR PR		
Contact phone:	8052370399	Contact address1:	5329 ROCKPORT CT
Contact address2:	Not Reported		
Contact city:	NEWARK		
Contact zip:	94560		

Pwsid:	CA4000657	Epa region:	09
State:	CA	County:	Not Reported
Pws name:	SOUTH SHORE VILLAGE CLUB		
Population Served:	80	Pwssvconn:	40
PWS Source:	Groundwater		
Pws type:	TNCWS		
Status:	Closed	Owner type:	Private
Facility id:	5		
Facility name:	WELL 03		
Facility type:	Well	Treatment process:	hypochlorination, pre
Treatment objective:	disinfection		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contact name: DONNA&LEE JOHNSON
 Original name: 11011 SOUTH SHORE DR PR
 Contact phone: 8052370399 Contact address1: 5329 ROCKPORT CT
 Contact address2: Not Reported
 Contact city: NEWARK
 Contact zip: 94560

Pwsid: CA4000657 Epa region: 09
 State: CA County: Not Reported
 Pws name: SOUTH SHORE VILLAGE CLUB
 Population Served: 80 Pwssvconn: 40
 PWS Source: Groundwater
 Pws type: TNCWS
 Status: Closed Owner type: Private
 Facility id: 6
 Facility name: WELL 03 - CL
 Facility type: Treatment_plant Treatment process: hypochlorination, pre
 Treatment objective: disinfection
 Contact name: DONNA&LEE JOHNSON
 Original name: 11011 SOUTH SHORE DR PR
 Contact phone: 8052370399 Contact address1: 5329 ROCKPORT CT
 Contact address2: Not Reported
 Contact city: NEWARK
 Contact zip: 94560

Pwsid: CA4000657 Epa region: 09
 State: CA County: Not Reported
 Pws name: SOUTH SHORE VILLAGE CLUB
 Population Served: 80 Pwssvconn: 40
 PWS Source: Groundwater
 Pws type: TNCWS
 Status: Closed Owner type: Private
 Facility id: CA4000657001
 Facility name: WELL 01
 Facility type: Well Treatment process: hypochlorination, pre
 Treatment objective: disinfection
 Contact name: DONNA&LEE JOHNSON
 Original name: 11011 SOUTH SHORE DR PR
 Contact phone: 8052370399 Contact address1: 5329 ROCKPORT CT
 Contact address2: Not Reported
 Contact city: NEWARK
 Contact zip: 94560

Pwsid: CA4000657 Epa region: 09
 State: CA County: Not Reported
 Pws name: SOUTH SHORE VILLAGE CLUB
 Population Served: 80 Pwssvconn: 40
 PWS Source: Groundwater
 Pws type: TNCWS
 Status: Closed Owner type: Private
 Facility id: CA4000657002
 Facility name: WELL 02
 Facility type: Well Treatment process: hypochlorination, pre
 Treatment objective: disinfection

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contact name: DONNA&LEE JOHNSON
 Original name: 11011 SOUTH SHORE DR PR
 Contact phone: 8052370399 Contact address1: 5329 ROCKPORT CT
 Contact address2: Not Reported
 Contact city: NEWARK
 Contact zip: 94560

Pwsid: CA4000657 Epa region: 09
 State: CA County: Not Reported
 Pws name: SOUTH SHORE VILLAGE CLUB
 Population Served: 80 Pwssvconn: 40
 PWS Source: Groundwater
 Pws type: TNCWS
 Status: Closed Owner type: Private
 Facility id: CA4000657005
 Facility name: WELL 03
 Facility type: Well Treatment process: hypochlorination, pre
 Treatment objective: disinfection

Contact name: DONNA&LEE JOHNSON
 Original name: 11011 SOUTH SHORE DR PR
 Contact phone: 8052370399 Contact address1: 5329 ROCKPORT CT
 Contact address2: Not Reported
 Contact city: NEWARK
 Contact zip: 94560

Pwsid: CA4000657 Epa region: 09
 State: CA County: Not Reported
 Pws name: SOUTH SHORE VILLAGE CLUB
 Population Served: 80 Pwssvconn: 40
 PWS Source: Groundwater
 Pws type: TNCWS
 Status: Closed Owner type: Private
 Facility id: CA4000657006
 Facility name: WELL 03 - CL
 Facility type: Treatment_plant Treatment process: hypochlorination, pre
 Treatment objective: disinfection

Contact name: DONNA&LEE JOHNSON
 Original name: 11011 SOUTH SHORE DR PR
 Contact phone: 8052370399 Contact address1: 5329 ROCKPORT CT
 Contact address2: Not Reported
 Contact city: NEWARK
 Contact zip: 94560

PWS ID: CA4000657
 Date Initiated: 7706 Date Deactivated: Not Reported
 PWS Name: SOUTH SHORE VILLAGE CLUB
 SOUTH SHORES VILLAGE CLUB
 RUNNING DEER RANCH RD
 PASO ROBLES, CA 93446

Addressee / Facility: System Owner/Responsible Party
 SOUTH SHORES VILLAGE CLUB
 5846 29TH STREET
 MANHATTAN BEACH, CA 90227

Facility Latitude: 33 50 57 Facility Longitude: 118 23 15
 City Served: Not Reported
 Treatment Class: Untreated Population: 00000025

Violations information not reported.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1

NNE

1/4 - 1/2 Mile

OIL_GAS

CAOG70000017619

Apinumber:	03716878	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Stinnett		
Wellnumber:	32		
Operatorna:	Stinnett Oil Co.		
Fieldname:	Torrance	Areaname:	Onshore
Section:	6	Township:	4S
Range:	14W	Basemeridi:	SB
Lat83:	33.854318		
Long83:	-118.392116		
Site id:	CAOG70000017619		

2

North

1/4 - 1/2 Mile

OIL_GAS

CAOG70000017638

Apinumber:	03700347	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Conrock		
Wellnumber:	1		
Operatorna:	Triton Oil and Gas Corp.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	6	Township:	4S
Range:	14W	Basemeridi:	SB
Lat83:	33.855415		
Long83:	-118.395268		
Site id:	CAOG70000017638		

A3

South

1/4 - 1/2 Mile

OIL_GAS

CAOG70000017495

Apinumber:	23717834	District:	1
Geodistrict:	0	Statuscode:	015
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	LOS ANGELES OFFSHORE
Leasename:	City Of Redondo Beach		
Wellnumber:	S-18		
Operatorna:	Triton Oil and Gas Corp.		
Fieldname:	Torrance	Areaname:	Offshore (ABD)
Section:	6	Township:	4S
Range:	14W	Basemeridi:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.846292
 Long83: -118.394344
 Site id: CAOG70000017495

A4
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017494

Apinumber: 23721846	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: S-17		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.846276		
Long83: -118.394394		
Site id: CAOG70000017494		

A5
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017493

Apinumber: 23721410	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: S-15		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.846259		
Long83: -118.394459		
Site id: CAOG70000017493		

A6
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017492

Apinumber: 23721340	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: S-14		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.846243
 Long83: -118.394508
 Site id: CAOG70000017492

A7
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017490

Apinumber:	23717829	District:	1
Geodistrict:	0	Statuscode:	015
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	LOS ANGELES OFFSHORE
Leasename:	City Of Redondo Beach		
Wellnumber:	9		
Operatorna:	Triton Oil and Gas Corp.		
Fieldname:	Torrance	Areaname:	Offshore (ABD)
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB
Lat83:	33.846234		
Long83:	-118.394263		
Site id:	CAOG70000017490		

A8
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017491

Apinumber:	03721843	District:	1
Geodistrict:	0	Statuscode:	015
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Unit		
Wellnumber:	67-1		
Operatorna:	Triton Oil and Gas Corp.		
Fieldname:	Torrance	Areaname:	Onshore
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB
Lat83:	33.846236		
Long83:	-118.394181		
Site id:	CAOG70000017491		

A9
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017488

Apinumber:	23721339	District:	1
Geodistrict:	0	Statuscode:	015
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	LOS ANGELES OFFSHORE
Leasename:	City Of Redondo Beach		
Wellnumber:	S-13		
Operatorna:	Triton Oil and Gas Corp.		
Fieldname:	Torrance	Areaname:	Offshore (ABD)
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.846227
 Long83: -118.394573
 Site id: CAOG70000017488

**A10
 South
 1/4 - 1/2 Mile**

OIL_GAS CAOG70000017487

Apinumber: 23721329	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: S-12		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.846226		
Long83: -118.394639		
Site id: CAOG70000017487		

**A11
 South
 1/4 - 1/2 Mile**

OIL_GAS CAOG70000017486

Apinumber: 23721326	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: S-11		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.846224		
Long83: -118.394704		
Site id: CAOG70000017486		

**A12
 South
 1/4 - 1/2 Mile**

OIL_GAS CAOG70000017485

Apinumber: 23717828	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 8		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.846218
 Long83: -118.394312
 Site id: CAOG70000017485

**A13
 South
 1/4 - 1/2 Mile**

OIL_GAS CAOG70000017483

Apinumber: 23717826	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 6		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.846201		
Long83: -118.394443		
Site id: CAOG70000017483		

**A14
 South
 1/4 - 1/2 Mile**

OIL_GAS CAOG70000017484

Apinumber: 23717827	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 7		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.846202		
Long83: -118.394361		
Site id: CAOG70000017484		

**A15
 South
 1/4 - 1/2 Mile**

OIL_GAS CAOG70000017482

Apinumber: 23717824	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 4		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.846197
 Long83: -118.394606
 Site id: CAOG70000017482

A16
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017480

Apinumber: 23721220	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: S-1		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.846193		
Long83: -118.394786		
Site id: CAOG70000017480		

A17
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017478

Apinumber: 23717825	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 5		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.846184		
Long83: -118.394508		
Site id: CAOG70000017478		

A18
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017481

Apinumber: 03721420	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: City Of Redondo Beach Unit		
Wellnumber: V-1		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Onshore	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.846193
 Long83: -118.394116
 Site id: CAOG70000017481

A19
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017479

Apinumber: 23721317	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: S-10		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeri: SB	
Lat83: 33.846191		
Long83: -118.394868		
Site id: CAOG70000017479		

A20
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017477

Apinumber: 23717839	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 23		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeri: SB	
Lat83: 33.846161		
Long83: -118.394247		
Site id: CAOG70000017477		

A21
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017476

Apinumber: 23717823	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 3		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeri: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.846151
 Long83: -118.394655
 Site id: CAOG70000017476

A22
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017475

Apinumber: 23721314	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: S-9		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeri: SB	
Lat83: 33.846148		
Long83: -118.394165		
Site id: CAOG70000017475		

A23
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017473

Apinumber: 23717822	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 2		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeri: SB	
Lat83: 33.846135		
Long83: -118.394737		
Site id: CAOG70000017473		

A24
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017472

Apinumber: 23717838	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 22		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeri: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.846129
 Long83: -118.394329
 Site id: CAOG70000017472

A25
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017470

Apinumber: 23717837	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 21		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.846113		
Long83: -118.39441		
Site id: CAOG70000017470		

A26
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017471

Apinumber: 23717821	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 1		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.846117		
Long83: -118.394816		
Site id: CAOG70000017471		

A27
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017469

Apinumber: 23717836	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 20		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.846096
 Long83: -118.394476
 Site id: CAOG70000017469

A28
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017467

Apinumber: 23717835	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 19		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeri: SB	
Lat83: 33.84608		
Long83: -118.394541		
Site id: CAOG70000017467		

A29
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017468

Apinumber: 23721309	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: S-8		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeri: SB	
Lat83: 33.84609		
Long83: -118.394116		
Site id: CAOG70000017468		

A30
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017466

Apinumber: 23717833	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 17		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeri: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.846064
 Long83: -118.394607
 Site id: CAOG70000017466

**A31
 South
 1/4 - 1/2 Mile**

OIL_GAS CAOG70000017464

Apinumber: 03721836	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Unit		
Wellnumber: XI-I		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Onshore	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.846055		
Long83: -118.394329		
Site id: CAOG70000017464		

**A32
 South
 1/4 - 1/2 Mile**

OIL_GAS CAOG70000017465

Apinumber: 23721285	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: S-7		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.846058		
Long83: -118.394198		
Site id: CAOG70000017465		

**A33
 South
 1/4 - 1/2 Mile**

OIL_GAS CAOG70000017463

Apinumber: 23717832	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 12		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.846047
 Long83: -118.394672
 Site id: CAOG70000017463

A34
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017462

Apinumber: 23717831	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 11		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.846046		
Long83: -118.394737		
Site id: CAOG70000017462		

A35
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017460

Apinumber: 23717830	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 10		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.84603		
Long83: -118.394803		
Site id: CAOG70000017460		

A36
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017459

Apinumber: 03717855	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Abcsm Unit		
Wellnumber: 37		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Onshore	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.846027
 Long83: -118.394263
 Site id: CAOG70000017459

A37
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017461

Apinumber: 23721281	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: S-6		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.846032		
Long83: -118.394067		
Site id: CAOG70000017461		

A38
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017455

Apinumber: 23717845	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 34		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.845979		
Long83: -118.394427		
Site id: CAOG70000017455		

A39
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017456

Apinumber: 03721834	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Unit		
Wellnumber: VIII-I		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Onshore	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.845983
 Long83: -118.394901
 Site id: CAOG70000017456

A40
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017453

Apinumber: 23721902	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 54		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.845971		
Long83: -118.394149		
Site id: CAOG70000017453		

A41
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017452

Apinumber: 23717844	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 31		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.845962		
Long83: -118.394509		
Site id: CAOG70000017452		

A42
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017450

Apinumber: 03721828	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Unit		
Wellnumber: X-1		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Onshore	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.845956
 Long83: -118.394803
 Site id: CAOG70000017450

A43
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017449

Apinumber: 23717843	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 29		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.845946		
Long83: -118.394591		
Site id: CAOG70000017449		

A44
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017451

Apinumber: 23721275	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: S-5		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.845958		
Long83: -118.394068		
Site id: CAOG70000017451		

A45
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017448

Apinumber: 23717854	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 53		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.845939
 Long83: -118.394231
 Site id: CAOG70000017448

A46
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017447

Apinumber: 23717842	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 27		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.845929		
Long83: -118.394656		
Site id: CAOG70000017447		

A47
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017446

Apinumber: 23717841	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 25		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.845927		
Long83: -118.394738		
Site id: CAOG70000017446		

A48
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017444

Apinumber: 23717853	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 49		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.845908
 Long83: -118.394313
 Site id: CAOG70000017444

A49
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017445

Apinumber: 23717840	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 24		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.845911		
Long83: -118.394803		
Site id: CAOG70000017445		

A50
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017443

Apinumber: 23721264	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: S-4		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.845897		
Long83: -118.394117		
Site id: CAOG70000017443		

A51
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017440

Apinumber: 23721540	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 44		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.84586
 Long83: -118.394476
 Site id: CAOG70000017440

**A52
 South
 1/4 - 1/2 Mile**

OIL_GAS CAOG70000017441

Apinumber: 23721251	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: S-3		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.845867		
Long83: -118.394149		
Site id: CAOG70000017441		

**A53
 South
 1/4 - 1/2 Mile**

OIL_GAS CAOG70000017439

Apinumber: 23717852	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 43		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.845857		
Long83: -118.394574		
Site id: CAOG70000017439		

**A54
 South
 1/4 - 1/2 Mile**

OIL_GAS CAOG70000017438

Apinumber: 23717851	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 42		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.845855
 Long83: -118.394656
 Site id: CAOG70000017438

A55
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017436

Apinumber: 23721229	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: S-2		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeri: SB	
Lat83: 33.845835		
Long83: -118.394264		
Site id: CAOG70000017436		

A56
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017435

Apinumber: 23717846	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: LOS ANGELES OFFSHORE	
Leasename: City Of Redondo Beach		
Wellnumber: 41		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Offshore (ABD)	
Section: 6	Township: 4S	
Range: 14W	Basemeri: SB	
Lat83: 33.845823		
Long83: -118.394771		
Site id: CAOG70000017435		

A57
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017433

Apinumber: 03721407	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: City Of Redondo Beach Unit		
Wellnumber: IV-1		
Operatona: Triton Oil and Gas Corp.		
Fieldname: Torrance	Areaname: Onshore	
Section: 6	Township: 4S	
Range: 14W	Basemeri: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.845801
 Long83: -118.394427
 Site id: CAOG70000017433

A58
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017431

Apinumber:	03721400	District:	1
Geodistrict:	0	Statuscode:	015
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	City Of Redondo Beach Unit		
Wellnumber:	III-2		
Operatorna:	Triton Oil and Gas Corp.		
Fieldname:	Torrance	Areaname:	Onshore
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB
Lat83:	33.845785		
Long83:	-118.394509		
Site id:	CAOG70000017431		

A59
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017430

Apinumber:	03721387	District:	1
Geodistrict:	0	Statuscode:	015
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	City Of Redondo Beach Unit		
Wellnumber:	III-1		
Operatorna:	Triton Oil and Gas Corp.		
Fieldname:	Torrance	Areaname:	Onshore
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB
Lat83:	33.845768		
Long83:	-118.394591		
Site id:	CAOG70000017430		

A60
South
1/4 - 1/2 Mile

OIL_GAS CAOG70000017429

Apinumber:	03721377	District:	1
Geodistrict:	0	Statuscode:	015
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Abcsm Unit		
Wellnumber:	II-2		
Operatorna:	Triton Oil and Gas Corp.		
Fieldname:	Torrance	Areaname:	Onshore
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.845751
 Long83: -118.394673
 Site id: CAOG70000017429

B61
North
1/4 - 1/2 Mile

OIL_GAS CAOG70000017661

Apinumber: 03717803	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Not Reported		
Wellnumber: 2		
Operatona: A. W. Schwarz		
Fieldname: Torrance	Areaname: Onshore	
Section: 6	Township: 4S	
Range: 14W	Basemeri: SB	
Lat83: 33.856675		
Long83: -118.393859		
Site id: CAOG70000017661		

B62
North
1/4 - 1/2 Mile

OIL_GAS CAOG70000017666

Apinumber: 03718525	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Stinnett		
Wellnumber: 2		
Operatona: Rory Oil Co.		
Fieldname: Torrance	Areaname: Onshore	
Section: 6	Township: 4S	
Range: 14W	Basemeri: SB	
Lat83: 33.85707		
Long83: -118.394086		
Site id: CAOG70000017666		

B63
North
1/4 - 1/2 Mile

OIL_GAS CAOG70000017667

Apinumber: 03717352	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Stinnett		
Wellnumber: 3		
Operatona: Rory Oil Co.		
Fieldname: Torrance	Areaname: Onshore	
Section: 6	Township: 4S	
Range: 14W	Basemeri: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.857134
 Long83: -118.393857
 Site id: CAOG70000017667

**C64
 North
 1/4 - 1/2 Mile**

OIL_GAS CAOG70000017689

Apinumber:	03723762	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Ciyt Of Hermose Beach		
Wellnumber:	10		
Operatorma:	MacPherson Oil Co.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	31	Township:	3S
Range:	14W	Basemeri:	SB
Lat83:	33.858115		
Long83:	-118.395085		
Site id:	CAOG70000017689		

**C65
 North
 1/2 - 1 Mile**

OIL_GAS CAOG70000017693

Apinumber:	03717000	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Stinnett		
Wellnumber:	7		
Operatorma:	Stinnett Oil Co.		
Fieldname:	Torrance	Areaname:	Onshore
Section:	31	Township:	3S
Range:	14W	Basemeri:	SB
Lat83:	33.858677		
Long83:	-118.395631		
Site id:	CAOG70000017693		

**C66
 North
 1/2 - 1 Mile**

OIL_GAS CAOG70000017696

Apinumber:	03716902	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Stinnett		
Wellnumber:	1		
Operatorma:	City of Hermosa Beach		
Fieldname:	Torrance	Areaname:	Onshore
Section:	31	Township:	3S
Range:	14W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.858868
 Long83: -118.394841
 Site id: CAOG70000017696

**D67
NE
1/2 - 1 Mile**

OIL_GAS CAOG70000017646

Apinumber:	03706483	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	P. W. Willett		
Wellnumber:	1		
Operatorna:	Decalta International Corp.		
Fieldname:	Torrance	Areaname:	Onshore
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB
Lat83:	33.855801		
Long83:	-118.386801		
Site id:	CAOG70000017646		

**D68
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017634

Apinumber:	03718121	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Simmons		
Wellnumber:	12		
Operatorna:	Decalta International Corp.		
Fieldname:	Torrance	Areaname:	Onshore
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB
Lat83:	33.855085		
Long83:	-118.385757		
Site id:	CAOG70000017634		

**E69
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017632

Apinumber:	03718123	District:	1
Geodistrict:	0	Statuscode:	015
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Simmons		
Wellnumber:	15		
Operatorna:	Decalta International Corp.		
Fieldname:	Torrance	Areaname:	Onshore
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.855
 Long83: -118.385626
 Site id: CAOG70000017632

**E70
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017635

Apinumber: 03718124	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Simmons		
Wellnumber: 26		
Operatorna: Decalta International Corp.		
Fieldname: Torrance	Areaname: Onshore	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.855104		
Long83: -118.385577		
Site id: CAOG70000017635		

**E71
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017633

Apinumber: 03718122	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Simmons		
Wellnumber: 14		
Operatorna: Decalta International Corp.		
Fieldname: Torrance	Areaname: Onshore	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.855033		
Long83: -118.385479		
Site id: CAOG70000017633		

**E72
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017620

Apinumber: 03718125	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Southwest		
Wellnumber: 1		
Operatorna: U. S. Natural Resources, Inc.		
Fieldname: TORRANCE	Areaname: Not Reported	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.854434
 Long83: -118.3845
 Site id: CAOG70000017620

**73
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017636

Apinumber:	03718114	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	M. & W.		
Wellnumber:	1		
Operatorna:	Decalta International Corp.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB
Lat83:	33.855155		
Long83:	-118.383625		
Site id:	CAOG70000017636		

**F74
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017660

Apinumber:	03718098	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Dumas-Brown		
Wellnumber:	1		
Operatorna:	Decalta International Corp.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB
Lat83:	33.856602		
Long83:	-118.384246		
Site id:	CAOG70000017660		

**F75
NE
1/2 - 1 Mile**

OIL_GAS CAOG70000017668

Apinumber:	03718094	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Atascadero		
Wellnumber:	1		
Operatorna:	Decalta International Corp.		
Fieldname:	Torrance	Areaname:	Onshore
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.857172
 Long83: -118.384444
 Site id: CAOG70000017668

**G76
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017598

Apinumber:	03718132	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Water Service		
Wellnumber:	1		
Operatorma:	U. S. Natural Resources, Inc.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB
Lat83:	33.85341		
Long83:	-118.382052		
Site id:	CAOG70000017598		

**77
NE
1/2 - 1 Mile**

OIL_GAS CAOG70000017683

Apinumber:	03718113	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Lawler		
Wellnumber:	1		
Operatorma:	U. S. Natural Resources, Inc.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB
Lat83:	33.857838		
Long83:	-118.384458		
Site id:	CAOG70000017683		

**G78
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017605

Apinumber:	03718119	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Simmons		
Wellnumber:	5		
Operatorma:	U. S. Natural Resources, Inc.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.854086
 Long83: -118.381576
 Site id: CAOG70000017605

**G79
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017596

Apinumber: 03718116	District: 1	
Geodistrict: 0	Statuscode: 136	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Simmons		
Wellnumber: 1		
Operatorna: Decalta International Corp.		
Fieldname: TORRANCE	Areaname: Not Reported	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.853207		
Long83: -118.381304		
Site id: CAOG70000017596		

**H80
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017647

Apinumber: 03718128	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Suzy-Q		
Wellnumber: 5		
Operatorna: Decalta International Corp.		
Fieldname: TORRANCE	Areaname: Not Reported	
Section: 6	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.855974		
Long83: -118.381865		
Site id: CAOG70000017647		

**I81
NE
1/2 - 1 Mile**

OIL_GAS CAOG70000017713

Apinumber: 03716876	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Marble		
Wellnumber: 102		
Operatorna: Austin Oil Co.		
Fieldname: Torrance	Areaname: Onshore	
Section: 31	Township: 3S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.859711
 Long83: -118.385209
 Site id: CAOG70000017713

**H82
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017651

Apinumber:	03718127	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Suzy-Q		
Wellnumber:	2		
Operatona:	Decalta International Corp.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	6	Township:	4S
Range:	14W	Basemeridi:	SB
Lat83:	33.856296		
Long83:	-118.381794		
Site id:	CAOG70000017651		

**H83
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017648

Apinumber:	03718126	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Suzy-Q		
Wellnumber:	1		
Operatona:	Decalta International Corp.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	6	Township:	4S
Range:	14W	Basemeridi:	SB
Lat83:	33.85602		
Long83:	-118.381485		
Site id:	CAOG70000017648		

**I84
NE
1/2 - 1 Mile**

OIL_GAS CAOG70000017711

Apinumber:	03717619	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Sterling		
Wellnumber:	2		
Operatona:	Sterling Oil Co.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	31	Township:	3S
Range:	14W	Basemeridi:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.859669
 Long83: -118.384424
 Site id: CAOG70000017711

**J85
NE**

1/2 - 1 Mile

OIL_GAS

CAOG70000017690

Apinumber:	03717312	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Don		
Wellnumber:	2		
Operatorma:	Cruisend Oil Co.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	31	Township:	3S
Range:	14W	Basemeri:	SB
Lat83:	33.858353		
Long83:	-118.382561		
Site id:	CAOG70000017690		

**J86
ENE**

1/2 - 1 Mile

OIL_GAS

CAOG70000017682

Apinumber:	03717072	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Not Reported		
Wellnumber:	1		
Operatorma:	Pongratz Petroleum Co.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB
Lat83:	33.857837		
Long83:	-118.382033		
Site id:	CAOG70000017682		

**K87
East**

1/2 - 1 Mile

OIL_GAS

CAOG70000017570

Apinumber:	03718115	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Regent		
Wellnumber:	1		
Operatorma:	U. S. Natural Resources, Inc.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.851043
 Long83: -118.37941
 Site id: CAOG70000017570

**L88
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017626

Apinumber:	03718118	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Simmons		
Wellnumber:	3		
Operatorma:	U. S. Natural Resources, Inc.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	6	Township:	4S
Range:	14W	Basemeridi:	SB
Lat83:	33.854613		
Long83:	-118.379891		
Site id:	CAOG70000017626		

**J89
NE
1/2 - 1 Mile**

OIL_GAS CAOG70000017697

Apinumber:	03717130	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Security		
Wellnumber:	1		
Operatorma:	Bass & Goodknight		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	31	Township:	3S
Range:	14W	Basemeridi:	SB
Lat83:	33.859022		
Long83:	-118.382648		
Site id:	CAOG70000017697		

**90
NNE
1/2 - 1 Mile**

OIL_GAS CAOG70000017774

Apinumber:	03716777	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Calawaii		
Wellnumber:	1		
Operatorma:	Calawaii Oil Co.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	31	Township:	3S
Range:	14W	Basemeridi:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.862671
 Long83: -118.388303
 Site id: CAOG70000017774

**J91
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017679

Apinumber:	03718100	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Dumas-Lewis		
Wellnumber:	2		
Operatorma:	U. S. Natural Resources, Inc.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB
Lat83:	33.857773		
Long83:	-118.381468		
Site id:	CAOG70000017679		

**M92
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017657

Apinumber:	03718097	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Calmore		
Wellnumber:	2		
Operatorma:	Decalta International Corp.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB
Lat83:	33.856492		
Long83:	-118.38054		
Site id:	CAOG70000017657		

**J93
NE
1/2 - 1 Mile**

OIL_GAS CAOG70000017691

Apinumber:	03717313	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Don		
Wellnumber:	3		
Operatorma:	Cruisend Oil Co.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	31	Township:	3S
Range:	14W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.8584
 Long83: -118.381785
 Site id: CAOG70000017691

K94
East
1/2 - 1 Mile

OIL_GAS CAOG70000017563

Apinumber:	03718733	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Not Reported		
Wellnumber:	2		
Operatorna:	Zenith Oil Co.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	5	Township:	4S
Range:	14W	Basemeri:	SB
Lat83:	33.850333		
Long83:	-118.37865		
Site id:	CAOG70000017563		

J95
NE
1/2 - 1 Mile

OIL_GAS CAOG70000017700

Apinumber:	03716627	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Not Reported		
Wellnumber:	1		
Operatorna:	KAMCO, Inc.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	31	Township:	3S
Range:	14W	Basemeri:	SB
Lat83:	33.859052		
Long83:	-118.381991		
Site id:	CAOG70000017700		

N96
East
1/2 - 1 Mile

OIL_GAS CAOG70000017550

Apinumber:	03718734	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Not Reported		
Wellnumber:	3		
Operatorna:	Zenith Oil Co.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	5	Township:	4S
Range:	14W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.849353
 Long83: -118.378516
 Site id: CAOG70000017550

**O97
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017687

Apinumber:	03718099	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Dumas-Lewis		
Wellnumber:	1		
Operatorma:	U. S. Natural Resources, Inc.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	6	Township:	4S
Range:	14W	Basemeridi:	SB
Lat83:	33.857968		
Long83:	-118.380715		
Site id:	CAOG70000017687		

**L98
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017624

Apinumber:	03718117	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Simmons		
Wellnumber:	2		
Operatorma:	Decalta International Corp.		
Fieldname:	Torrance	Areaname:	Onshore
Section:	5	Township:	4S
Range:	14W	Basemeridi:	SB
Lat83:	33.854556		
Long83:	-118.378883		
Site id:	CAOG70000017624		

**L99
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017639

Apinumber:	03718112	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Dumas-Lewis		
Wellnumber:	3		
Operatorma:	Decalta International Corp.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	6	Township:	4S
Range:	14W	Basemeridi:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.855531
 Long83: -118.379235
 Site id: CAOG70000017639

**P100
NE**

1/2 - 1 Mile

OIL_GAS

CAOG70000017721

Apinumber:	03717189	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Not Reported		
Wellnumber:	1		
Operatorma:	Doherty Oil		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	31	Township:	3S
Range:	14W	Basemeri:	SB
Lat83:	33.860305		
Long83:	-118.382524		
Site id:	CAOG70000017721		

**M101
ENE**

1/2 - 1 Mile

OIL_GAS

CAOG70000017659

Apinumber:	03718096	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Calmore		
Wellnumber:	1		
Operatorma:	U. S. Natural Resources, Inc.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	6	Township:	4S
Range:	14W	Basemeri:	SB
Lat83:	33.856591		
Long83:	-118.379477		
Site id:	CAOG70000017659		

**N102
East**

1/2 - 1 Mile

OIL_GAS

CAOG70000017540

Apinumber:	03718732	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Not Reported		
Wellnumber:	1		
Operatorma:	Zenith Oil Co.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	5	Township:	4S
Range:	14W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.848747
 Long83: -118.378109
 Site id: CAOG70000017540

**P103
NE**

1/2 - 1 Mile

OIL_GAS

CAOG70000017715

Apinumber:	03717684	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Not Reported		
Wellnumber:	1		
Operatorma:	Taubman & Butler		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	31	Township:	3S
Range:	14W	Basemeri:	SB
Lat83:	33.859752		
Long83:	-118.381561		
Site id:	CAOG70000017715		

**O104
NE**

1/2 - 1 Mile

OIL_GAS

CAOG70000017701

Apinumber:	03717328	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Fee		
Wellnumber:	1		
Operatorma:	Graner Oil Co.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	31	Township:	3S
Range:	14W	Basemeri:	SB
Lat83:	33.859059		
Long83:	-118.38066		
Site id:	CAOG70000017701		

**Q105
ENE**

1/2 - 1 Mile

OIL_GAS

CAOG70000017625

Apinumber:	03718049	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Redondo Improvement Co.		
Wellnumber:	6		
Operatorma:	U. S. Natural Resources, Inc.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	5	Township:	4S
Range:	14W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.854602
 Long83: -118.378043
 Site id: CAOG70000017625

**106
NE
1/2 - 1 Mile**

OIL_GAS CAOG70000017741

Apinumber: 03716877	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Marble		
Wellnumber: 103		
Operatona: Eugene E. Marble		
Fieldname: Torrance	Areaname: Onshore	
Section: 31	Township: 3S	
Range: 14W	Basemeridi: SB	
Lat83: 33.861719		
Long83: -118.383392		
Site id: CAOG70000017741		

**107
East
1/2 - 1 Mile**

OIL_GAS CAOG70000017581

Apinumber: 03718046	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Redondo Improvement Co.		
Wellnumber: 3		
Operatona: U. S. Natural Resources, Inc.		
Fieldname: TORRANCE	Areaname: Not Reported	
Section: 5	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.851803		
Long83: -118.377413		
Site id: CAOG70000017581		

**Q108
ENE
1/2 - 1 Mile**

OIL_GAS CAOG70000017640

Apinumber: 03718129	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Walken		
Wellnumber: 1		
Operatona: U. S. Natural Resources, Inc.		
Fieldname: TORRANCE	Areaname: Not Reported	
Section: 5	Township: 4S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.855559
 Long83: -118.378292
 Site id: CAOG70000017640

109
East
1/2 - 1 Mile

OIL_GAS CAOG70000017564

Apinumber: 03718045	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Redondo Improvement Co.		
Wellnumber: 2		
Operatorma: U. S. Natural Resources, Inc.		
Fieldname: TORRANCE	Areaname: Not Reported	
Section: 5	Township: 4S	
Range: 14W	Basemeridi: SB	
Lat83: 33.85038		
Long83: -118.377315		
Site id: CAOG70000017564		

O110
NE
1/2 - 1 Mile

OIL_GAS CAOG70000017699

Apinumber: 03717331	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: King		
Wellnumber: 1		
Operatorma: Graner Oil Co.		
Fieldname: TORRANCE	Areaname: Not Reported	
Section: 31	Township: 3S	
Range: 14W	Basemeridi: SB	
Lat83: 33.859039		
Long83: -118.380282		
Site id: CAOG70000017699		

Q111
East
1/2 - 1 Mile

OIL_GAS CAOG70000017599

Apinumber: 03718053	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Redondo Improvement Co.		
Wellnumber: 10		
Operatorma: U. S. Natural Resources, Inc.		
Fieldname: TORRANCE	Areaname: Not Reported	
Section: 5	Township: 4S	
Range: 14W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.853576
Long83: -118.377557
Site id: CAOG70000017599

112
ENE
1/2 - 1 Mile

OIL_GAS

CAOG70000017658

Apinumber:	03718130	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Walken		
Wellnumber:	2		
Operatorma:	U. S. Natural Resources, Inc.		
Fieldname:	TORRANCE	Areaname:	Not Reported
Section:	5	Township:	4S
Range:	14W	Basemeridi:	SB
Lat83:	33.856492		
Long83:	-118.378599		
Site id:	CAOG70000017658		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90277	81	4

Federal EPA Radon Zone for LOS ANGELES County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 90277

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.700 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 and 2005 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 Health Services

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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APPENDIX C
EDR ENVIRONMENTAL LIENSEARCH™ REPORT

**AES Redondo Plant
1100 North Harbor Drive
Redondo Beach, CA 90277**

**Inquiry Number: 3199395.7S
November 29, 2011**

The EDR Environmental LienSearch™ Report



440 Wheelers Farms Road
Milford, CT 06461
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

AES Redondo Plant
1100 North Harbor Drive
Redondo Beach, CA 90277

RESEARCH SOURCE

Source 1: Los Angeles County Assessor

Source 2: Los Angeles County Recorder

PROPERTY INFORMATION

Deed 1:

Type of Deed: Grant Deed

Title is vested in: AES Redondo Beach, LLC, a Delaware limited liability company

Deed Dated: 05/15/1998

Deed Recorded: 05/18/1998

Instrument Number: 98-829453

Legal Description: All that certain piece or parcel of land containing 27.86 acres, more or less, being a portion of Parcel 1, situate and lying in the County of Los Angeles, State of California.

Legal Current Owner: AES Redondo Beach, LLC, a Delaware limited liability company

Property Identifiers: 7503-013-819

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

If found:

1st Party:

2nd Party:

Dated:

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

EDR Environmental LienSearch™ Report

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: This is for 1100A Harbor Drive. 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. When the site was sold, the new owner AES agreed to take over all responsibilities, this includes closure of the basins, gw monitoring and corrective action.

Miscellaneous:

EDR Environmental LienSearch™ Report

DEED EXHIBIT

4-20-1998

RECORDING REQUESTED BY:

Southern California Edison Company
2244 Walnut Grove Avenue
Rosemead, California 91770
Attn: General Counsel

RECORDED/FILED IN OFFICIAL RECORDS
RECORDER'S OFFICE
LOS ANGELES COUNTY
CALIFORNIA
MAY 18 1998 AT 8 A.M.

AND WHEN RECORDED MAIL TO
AND MAIL TAX STATEMENTS TO:

AES REDONDO BEACH, L.L.C.
44 Montgomery Street, Suite 3450
San Francisco, California 94104
Attn: Glen Davis

SURVEY, MONUMENT FEE \$10. CODE 9⁹

FEE \$ 147⁰⁰ 41

7503-13-801
802
808
809
810
811
812
806
813
807, 807, 807

A. F. N. F. CODE 3
(Above Space For Recorder's Use Only)

GRANT DEED

TRANSFER TAX
NOT A PUBLIC RECORD

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 (referenced below collectively with its successor and assigns as "Grantor" or "SCE"), hereby grants to AES REDONDO BEACH, L.L.C., a Delaware limited liability company (referenced below collectively with its successor and assigns as "Grantee" or "Plant Owner") that certain real property in the City of Redondo Beach, County of Los Angeles, 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; (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 easements reserved by Grantor in this Grant Deed ("Grant Deed"), which easements are set forth in Part B of this Grant Deed below. The foregoing

NOTIFICATION SENT \$40

grant expressly excludes, and Grantor retains full title and ownership of, the "Severed Property" described in Part C of this Grant Deed.

PART A. DEFINED TERMS.

Defined Terms. The following terms used in this Grant Deed shall have the meanings specified in this Part A.

"Abandonment" and "Abandonment Notice" shall have the meanings set forth in Section 9.

"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 22, 1997 between SCE and Plant Owner respecting the Property.

"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 Improvements, 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 Land, 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 mean the land described on Exhibit A attached hereto.

"Option" shall mean that certain option granted from Plant Owner to SCE executed concurrently with this Grant Deed to purchase the Option Land (defined below) and certain related property, a memorandum of which shall be recorded immediately after the recordation of this Grant Deed.

"Option Land" shall mean the land which is subject to the Option, the legal description of which is set forth in Exhibit C attached to this Grant Deed and incorporated herein by this reference

"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 SCE shall not be included in the definition of a "Permittee" of Plant Owner 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 Improvements" shall mean all Improvements owned by Plant Owner, regardless of whether such Improvements are located on the Plant Land or on the Option Land.

"Plant Land" shall mean that portion of the Land which is not subject to the Option, the legal description of which is set forth in Exhibit B attached to this Grant Deed and incorporated herein by this reference.

"Plant Property" shall collectively mean (i) the Plant Land, and (ii) the Plant Improvements.

"Property" shall collectively mean the Plant Property and the Option Land.

"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 Land, 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 Plant, (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, 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 Option Land or on the Plant Land, as identified on Exhibit D attached hereto and incorporated herein by this reference, together with all future upgrades, modifications, alterations or replacements to or of such Improvements.

"Switchyard" shall collectively mean (i) that portion of the Option 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 (the "Switchyard Land"), and (ii) all Improvements located on the Switchyard Land.

PART B. RESERVATION OF EASEMENTS.

1. **Reservation of Easements by SCE.** SCE hereby reserves, for itself and its designees, the following non-exclusive in gross easements, in , on, over, under, across and through the Property:

1.1 **Vehicular Access.** SCE reserves an easement in, on, over, under, across and through the Property for the purpose of vehicular access to facilitate the use and enjoyment of the other easements reserved herein over the Property and to facilitate access to other adjacent property owned by SCE (if any). The easement described in this Section 1.1 shall expressly include vehicular access to and from the parking areas on the Property described in Section 1.12 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 3 below.

1.2 **Pedestrian Access.** SCE reserves an easement in, on, over, under, across and through the Property, for the purpose of pedestrian access to facilitate the use and enjoyment of the other easements granted herein over the Property and to facilitate access to other adjacent property owned by SCE (if any). 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 3 below.

1.3 **Fire Water System Easement.** SCE reserves an easement in, on, over, under, across and through the areas of the Property described in this Section 1.3, 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 water for use in combating fires on or near the SCE Improvements. The easement described in this Section 1.3 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, 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 or near the SCE Improvements. 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 easement described in this Section 1.3 shall encumber and burden those portions of the Property upon which such fire water storage, transportation and distribution equipment, facilities and other Improvements described in this Section 1.3 are presently located, along with those portions of the Property within the Applicable Distance of such equipment, facilities and other Improvements.

1.4 Service Water Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Property described in this Section 1.4 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 Improvements and for landscaping purposes. The easement described in this Section 1.4 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 Improvements, 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 Improvements. 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 notice. The easement described in this Section 1.4 shall encumber and burden those portions of the Property upon which such equipment, facilities and other Improvements used for the purposes described in this Section 1.4 are presently located, along with those portions of the Property within the Applicable Distance of such equipment, facilities and other Improvements.

1.5 Fuel System Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Property described in this Section 1.5 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 or through the SCE Improvements 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 1.11 hereof. The easement described in this Section 1.5 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 or through the SCE Improvements, 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 Improvements. 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 notice. The easement described in this Section 1.5 shall encumber and burden those portions of the Property upon which the equipment, facilities and other Improvements used for the purposes described in this Section 1.5 are presently located, along with those portions of the Property within the Applicable Distance of such equipment, facilities and other Improvements.

1.6 Waste Water Discharge System Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Property described in this Section 1.6 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 through, or generated by or in connection with the operation of, the SCE Improvements. The easement described in this Section 1.6 shall encumber and burden those portions of the Property upon which equipment, facilities and other Improvements used for the purposes described in this Section 1.6 are presently located, along with those portions of the Property within the Applicable Distance of such equipment, facilities and other Improvements. No materially increased average volume of wastewater shall be transported through or over the Property from as a result of SCE Operations beyond the average volume of wastewater generally transported through or over the Property as a result of SCE Operations as of the date of this Grant Deed, without the prior written consent of Plant Owner; provided, however, that the restriction set forth in this sentence shall not be applicable to stormwater or other natural surface run-off.

1.7 Electric Supply Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Property described in this Section 1.7, for the installation, use, operation, inspection, maintenance, repair, upgrade, restoration, replacement and alteration of cables, lines, wires, conduits, poles and related equipment and facilities used in connection with the supply of electric power to and from the SCE Improvements and cathodic protection for the SCE Improvements. The easement shall encumber and burden those portions of the Property upon which equipment, facilities and other Improvements used for the purposes described in this

Section 1.7 are presently located, along with those portions of the Property within the Applicable Distance of such equipment, facilities and other Improvements.

1.8 Electric Transmission Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Property described in this Section 1.8, for the construction, operation, use, maintenance, inspection, repair, renewal, replacement, reconstruction, enlargement, alteration, improvement, relocation and removal of (i) Improvements located within the Switchyard, (ii) electric lines from the Plant to the Switchyard, and (iii) 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. SCE also shall have the right to enlarge, alter or relocate the foregoing described improvements in any manner that the Independent System Operator or its successor or any regulators with jurisdiction over SCE's business may require. SCE hereby advises Plant Owner that the Improvements located within the Switchyard could, if touched or operated incorrectly, present a danger to human health and safety, and the foregoing easement shall include the right to install, maintain, upgrade and replace a fence around the Switchyard for safety purposes and to comply with Governmental Requirements. By its execution of this Grant Deed below, Plant Owner agrees that it will (a) comply (and instruct its Permittees to comply) with Governmental Requirements applicable to access to and working near electric transmission lines and switchyards (including, by way of illustration and not limitation, Cal. Code Regs., tit. 8, § 2944(c) and Cal. Pen. Code § 385), (b) follow (and instruct its Permittees to follow) whatever safety procedures SCE may provide to Plant Owner from time to time regarding access to and actions within the Switchyard, and (c) indemnify, defend and hold harmless SCE, its directors, officers, attorneys, employees, subcontractors, agents and assigns ("SCE Indemnified Parties") from and against any and all claims, demands, suits, loss, liability, damage and expense, including reasonable attorneys' fees and costs of investigation, litigation, settlement and judgment, that any SCE Indemnified Party may suffer or sustain or to which they may become subject as a result of (x) any entry into the Switchyard by Plant Owner, its Permittees or agents unaccompanied by an SCE employee or agent knowledgeable about safety policies and procedures relative to the Switchyard, or (y) any failure by Plant Owner, its Permittees or agents to comply with Governmental Requirements applicable to access to and working near electric transmission lines and switchyards, or (z) any failure by Plant Owner, its Permittees or agents to comply with the safety guidelines provided by SCE to Plant Owner from time to time. The easement shall encumber and burden those portions of the Property upon which equipment,

facilities and other Improvements used for the purposes described in this Section 1.8 are presently located, along with those portions of the Property within the Applicable Distance of such equipment, facilities and other Improvements.

1.9 Telecommunication System Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Property described in this Section 1.9 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 over, to and from the Property and/or the SCE Improvements or otherwise used in connection with SCE's business (including the leasing or other sharing of any such personal property between or among SCE and commercial telecommunications providers or others, and the access to the Property by any such lessee or other party sharing such property). The easement described in this Section 1.9 shall encumber and burden those portions of the Property upon which equipment, facilities and other Improvements used for the purposes described in this Section 1.9 are presently located, along with those portions of the Property within the Applicable Distance of such equipment, facilities and other Improvements.

1.10 Monitoring Well Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Property described in this Section 1.10 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 1.10 shall encumber and burden those portions of the Property upon which equipment, facilities and other Improvements used for the purposes described in this Section 1.10 are presently located, along with those portions of the Land within the Applicable Distance of such equipment, facilities and other Improvements.

1.11 Easement to Perform Obligations and Enjoy Rights. SCE reserves an easement burdening the Property for the purpose of the performance by SCE of SCE's duties, obligations and responsibilities under 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.

1.12 Parking Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Property described in this Section 1.12 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 3 below.

1.13 SCE Operations Equipment Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Property described in this Section 1.13 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 1.13 shall encumber and burden those portions of the Property upon which the SCE Operations Equipment are presently located, along with those portions of the Property within the Applicable Distance of the SCE Operations Equipment. The Parties acknowledge that the SCE Operations Equipment is, in many cases, located in areas of the Property in which fixtures, equipment and other property of the Plant Owner used in connection with the operation of the Plant Owner's generation plant are located. Each Party agrees to cooperate with the other Party so as not to interfere with or obstruct the use by such other Party of such other Party's fixtures, equipment and other property. Such duty of cooperation shall include the obligation of the Parties to mutually agree upon reasonable rules and procedures for the use by the Parties of those areas of the Property in which the Parties' shared use is required as a result of the easements described in this Part B of this Grant Deed.

1.14 Railroad Spur Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Property described in this Section 1.14 for the installation, use, operation, inspection, maintenance, repair, upgrade, alteration, restoration and replacement of railroad spur Improvements located on the Property. The easement described in this Section 1.14 shall encumber and burden those portions of the Property upon which railroad spur Improvements are presently located (even if such railroad spur Improvements are not currently operable), along with those portions of the Property which are reasonably necessary to perform maintenance, repair, upgrade, restoration or replacement work pertaining to such railroad spur Improvements. The easement described in this Section 1.14 shall also include the right of SCE to load and unload trains that utilize the railroad spur. Except for any railroad spur Improvements presently existing on the Property, and for alterations, upgrades, restorations and replacements thereof which do not place a burden on the Property materially greater than the burden intended to be placed on the Property by a fully operable railroad spur in the current location of such railroad spur, no additional railroad spur Improvements shall be installed on the Property by or on behalf of SCE.

1.15 Helipad Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Property described in this Section 1.15 for the use, operation, maintenance and repair of the helipad located on the 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 Property as of the date of this Grant Deed, subject to future relocation in accordance with the provisions of Section 3 below.

1.16 Signage Easement. SCE reserves an easement in, on, over, under, across and through the 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 Improvements.

1.17 Easement for Use of Other SCE Improvements. SCE reserves an easement in, on, over, under, across and through the areas of the Property described in this Section 1.17 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 Property, but as to which an easement is not otherwise expressly reserved by SCE under this Grant Deed. The easement described in this Section 1.17 shall encumber and burden those portions of the Property upon which such SCE Improvements are presently located, along with those portions of the Property within the Applicable Distance of such SCE Improvements.

2. Use of Property and Easements. The 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 Property and the easements reserved herein shall be subject to the following: (i) no portion of the 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 Property; (iii) no use of the 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 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 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 Property.

3. Relocation of Easements. At the request of either Party, the areas of the Property which are burdened by the easements reserved under Part B of 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. The Party requesting the relocation shall be responsible for all reasonable 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. Notwithstanding the foregoing, SCE shall not be required to relocate the Switchyard under any circumstances.

4. **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. Upon the recordation in the Official Records in the county in which the Property is located of the conveyance of fee title to a portion of the Property, the transferor of such portion of the Property shall thereafter be relieved from all further obligations, duties and liabilities under the Grant Deed accruing after the date of such transfer with respect to the portion of the Property conveyed, and its transferee shall thereafter be a Party hereunder as the transferor's successor and assign with respect to the Property conveyed. The transferor Party shall provide to all then current Property owners written notice of the transfer. Any party may grant to any contractor, supplier, representative or agent of such Party rights in the Property, easements and other rights of such Party granted or reserved hereunder. No Permittee of a Party shall acquire any rights of a Party hereunder, except to the extent such Party's rights are expressly assigned to such Permittee and such Permittee expressly assumes in writing the obligations, duties and liabilities of such Party under this Grant Deed.

5. **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 Property, including, without limitation, any rights of SCE under California Public Utilities Code Section 612 or 615, or any applicable successor statute.

6. **Maintenance and Repair.** Any and all Improvements which are used by either Party or in common by both Parties, including Improvements providing vertical, lateral or structural load-bearing support, shall be maintained and repaired in a good condition and in compliance with all Governmental Requirements by the owner of such Improvements, at such owner's sole cost and expense. Notwithstanding any contrary provision hereof, as long as the Facilities Services Agreement remains in effect, this Section 6 shall be subject to the terms and provisions of the Facilities Services Agreement, and in the event of any inconsistency or conflict between the terms and provisions of this Section 6 and the terms and provisions of the Facilities Services Agreement, the terms and provisions of the Facilities Services Agreement shall control.

7. **Assignment of Easement.** Upon written notice to Plant Owner, SCE may transfer or assign, in whole or in part, any of the easements reserved in this Part B. By way of illustration and not limitation, SCE could assign that portion of the easements pertaining to operation of the Switchyard and Grid to one party, and retain or assign to another party that portion of the easements pertaining to operation of the fuel storage, transportation and distribution facilities.

8. **New Improvements or Alterations: Relocation of Easements.**

8.1 **New Improvements or Alterations.** Subject to the Parties' obligations under the Facilities Services Agreement and under Section 8.2 below, and subject to the other provisions of this Grant Deed, each Party shall have the right to alter, modify, demolish or replace the Improvements owned by such Party and/or to construct new Improvements, provided that (i)

such alteration, modification, demolition, replacement or new construction shall not interfere with the use and enjoyment of the easements reserved to SCE hereunder, or with the rights of Plant Owner as holder of the fee estate, as applicable, except for temporary interference occasioned by construction work performed in compliance with the provisions of Section 8.2 below, and (ii) such Improvements, as they exist after such alteration, modification, demolition, replacement or construction, shall not interfere with the use and enjoyment of the easements reserved to SCE hereunder, or with the rights of Plant Owner as holder of the fee estate, as applicable.

8.2 Regulations Regarding Maintenance and Construction Work. All construction, demolition and/or maintenance work or activities on the Property performed (i) by or on behalf of SCE in connection with an easement reserved under Part B hereunder, or (ii) by or on behalf of Plant Owner in an instance in which such construction activities affect an easement reserved to SCE under Part B hereunder, shall be performed in accordance with the following requirements:

8.2.1 no such work or activity shall unreasonably interfere with the use, occupancy or enjoyment of the Property by the Plant Owner, or of the easements reserved to SCE under Part B hereunder, or with the Parties' respective rights and obligations under the Facilities Services Agreement, except in each case for temporary minor inconveniences the scope and duration of which are minimized to the extent reasonably possible;

8.2.2 no such work or activity shall cause the other Party to be in violation of any Governmental Requirement;

8.2.3 subject to the Facilities Services Agreement, the Party responsible for the work shall promptly remedy any defects in the work which have a material adverse effect on the other Party or the operations of such Party, or subject the other Party to material risk of liability;

8.2.4 each Party responsible for any work or activity shall take all safety measures reasonably necessary to protect the other Party, its Permittees and the property of each, from injury or damage caused by or resulting from the performance of such work or activity;

8.2.5 subject to the Facilities Services Agreement, all work shall be performed in a manner that will not damage the property of the other Party, other than minor damage which shall be promptly and diligently repaired by the Party by or on behalf of whom the work is performed; and

8.2.6 except for normal and periodic maintenance work performed in the ordinary course, no construction, alteration, installation, upgrade or restoration work shall be performed (i) by SCE without first providing Plant Owner with reasonable prior written notice of such work, or (ii) by Plant Owner within the Applicable Distance of the SCE Operations Equipment without first providing SCE with reasonable prior written notice of such work.

9. **Abandonment of Easements.** The easements reserved to SCE under this Part B shall be perpetual easements for an indefinite term. Notwithstanding the foregoing, the easements, and all of them, shall terminate upon Abandonment. For the purposes of the preceding sentence, "Abandonment" shall mean the last to occur of the following events: (1) there has been no use by SCE or its Permittees of any of the easements for at least 10 years preceding the Abandonment Notice (defined below); (2) there has been no "Notice of Intent to Preserve Easement," or any other instrument purporting to preserve, modify or transfer any of the easements, recorded in the Official Records of Los Angeles County by SCE for at least 10 years preceding the Abandonment Notice; (3) Plant Owner provides a written notice ("Abandonment Notice") to SCE and to any successor or assign to which SCE has assigned any easements pursuant to Section 7 above, notifying SCE and any such successors or assigns of Plant Owner's belief that none of the easements have been utilized by SCE or its Permittees for at least 10 years, and (4) for at least one year after the receipt of the Abandonment Notice by SCE, neither SCE nor anyone claiming by or through SCE responds in writing to the Abandonment Notice contesting Plant Owner's contention that there had been no use of the easements during the 10 years preceding such notice.

10. **Benefitted Land.** Each of the covenants, conditions and restrictions (but not the easements, which are reserved in gross) set forth in this Grant Deed shall inure to the benefit of the real property described on Exhibit E attached hereto and incorporated herein by this reference (the "Benefitted Property") and the owners of the Benefitted Property, and their successors and assigns. In the event that any portion of the Benefitted Property is conveyed by SCE to a third party (each parcel of the Benefitted Property so transferred is herein referred to as a "Transferred Parcel"), the covenants, conditions and restrictions shall cease to benefit such Transferred Parcel unless SCE expressly assigns to the transferee of the Transferred Parcel the benefits of all or a portion of such covenants, conditions and restrictions, either concurrently with conveyance of the Transferred Parcel or at any time thereafter, in either case, by a recorded assignment document specifically referencing this Grant Deed.

PART C. SEVERED PROPERTY.

11. **Severance of SCE Improvements.** 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, the SCE Improvements described on Exhibit D attached to this Grant Deed and incorporated herein by reference. The SCE Improvements, including all future modifications and alterations thereto, are hereby, and shall remain, severed from the Plant Land and the Option Land and shall constitute the personal property of SCE, its successors and assigns, regardless of whether such SCE Improvements are now or hereafter physically attached to the Plant Land or the Option Land or would otherwise constitute a fixture or other item of real property under applicable law. The character of the SCE Improvements as personal property shall not be altered or affected by (i) any future alteration to, or modification or relocation of, the SCE Improvements, (ii) any attachment or reattachment of the SCE Improvements to the Plant Land or the Option 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 SCE and the person or entity who is the owner of the land on which the SCE Improvements may be located and recorded in the Official Records of Los Angeles County, California. Upon the 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: May 15, 1998

SOUTHERN CALIFORNIA EDISON COMPANY,
a California corporation

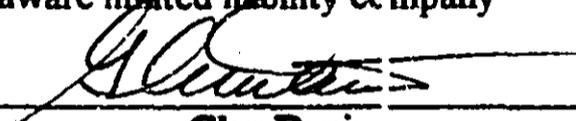


By: Theodore F. Craver, Jr.
Its: Senior Vice President and Treasurer

The undersigned hereby accepts this Grant Deed and acknowledges and agrees to the terms and provisions set forth herein.

DATE: May 15, 1998

AES REDONDO BEACH, L.L.C.,
a Delaware limited liability company



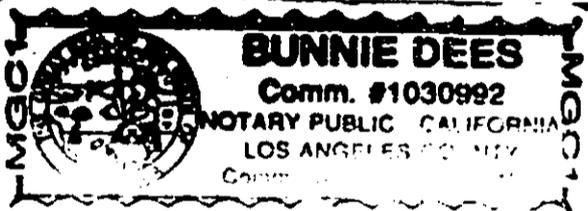
By: Glen Davis
Its: Manager

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES)

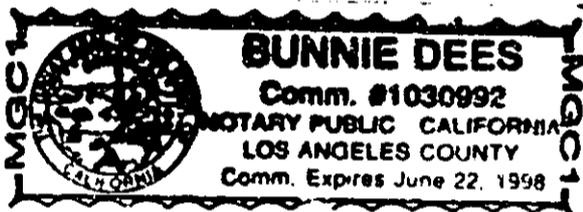
Theodore F. Craver, Jr.

On May 14, 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
Notary Public in and for said State

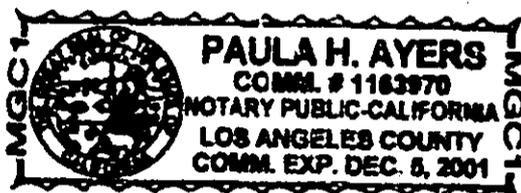


STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES)

On May 14, 1998, before me, *Paula H. Ayers*, a Notary Public in and for said state, personally appeared *Glen Davis*, 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
Notary Public in and for said State:



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EXHIBIT A

LEGAL DESCRIPTION OF REAL PROPERTY CONVEYED

THE LAND REFERRED TO HEREIN IS SITUATED IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL 1: (COMPOSED OF PARCEL 1A AND PARCEL 1B)

PARCEL 1A:

BEING THOSE PORTIONS OF THE RANCHO SAN PEDRO, THE TOWNSITE OF REDONDO BEACH PER MAP RECORDED IN BOOK 39 PAGES 1 THROUGH 17 OF MISCELLANEOUS RECORDS AND THE OCEAN BEACH SUBDIVISION PER MAP RECORDED IN BOOK 2, PAGE 35 OF MAPS, IN THE CITY OF REDONDO BEACH, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF HARBOR DRIVE AND HERONDO STREET (SHOWN AS HERMOSA AVENUE AND ELEVENTH STREET ON THE MAP OF SAID OCEAN BEACH SUBDIVISION); THENCE NORTH 68 DEGREES 44' 01" EAST 1214.86 FEET ALONG THE CENTERLINE OF SAID HERONDO STREET; THENCE ALONG A TANGENT CURVE CONCAVE SOUTHERLY, HAVING A RADIUS OF 1000.00 FEET, THROUGH A CENTRAL ANGLE OF 3 DEGREES 28' 03", AN ARC DISTANCE OF 60.52 FEET TO A POINT ON A NONTANGENT CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 1402.69 FEET, A RADIAL LINE TO SAID POINT BEARS NORTH 64 DEGREES 10' 13" EAST; THENCE SOUTHERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 9 DEGREES 52' 11", AN ARC DISTANCE OF 241.63 FEET TO THE TRUE POINT OF BEGINNING; THENCE SOUTH 66 DEGREES 48' 13" WEST 86.90 FEET; THENCE SOUTH 23 DEGREES 11' 47" EAST 5.15 FEET; THENCE SOUTH 66 DEGREES 48' 13" WEST 160.31 FEET; THENCE SOUTH 65 DEGREES 01' 53" WEST 169.21 FEET TO A CURVE CONCAVE SOUTHEASTERLY HAVING A RADIUS OF 8.00 FEET; THENCE SOUTHWESTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 88 DEGREES 49' 49", AN ARC DISTANCE OF 12.40 FEET; THENCE SOUTH 23 DEGREES 45' 41" EAST, 159.66 FEET; THENCE SOUTH 25 DEGREES 59' 35" WEST 35.75 FEET; THENCE SOUTH 25 DEGREES 01' 14" EAST 31.16 FEET; THENCE SOUTH 64 DEGREES 58' 46" WEST 239.45 FEET; THENCE NORTH 24 DEGREES 29' 01" WEST 157.71 FEET; THENCE SOUTH 65 DEGREES 30' 59" WEST 18.50 FEET; THENCE SOUTH 24 DEGREES 29' 01" EAST, 12.00 FEET; THENCE SOUTH 65 DEGREES 30' 59" WEST 108.89 FEET; THENCE SOUTH 24 DEGREES 29' 01" EAST 372.14 FEET; THENCE NORTH 65 DEGREES 30' 59" EAST 127.39 FEET; THENCE NORTH 80 DEGREES 44' 39" EAST 247.77 FEET; THENCE SOUTH 09 DEGREES 15' 21" EAST 232.90 FEET; THENCE SOUTH 10 DEGREES 18' 07" EAST, 113.82 FEET; THENCE SOUTH 80 DEGREES 29' 45" WEST 26.22 FEET; THENCE SOUTH 09 DEGREES 30' 15" EAST 225.30 FEET; THENCE NORTH 80 DEGREES 29' 45" EAST 10.50 FEET; SOUTH 09 DEGREES 30' 15"

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EXHIBIT A

LEGAL DESCRIPTION OF REAL PROPERTY CONVEYED

EAST 46.00 FEET; THENCE SOUTH 80 DEGREES 29' 45" WEST 10.50 FEET; THENCE SOUTH 09 DEGREES 30' 15" EAST 29.00 FEET; THENCE SOUTH 30 DEGREES 10' 20" WEST 36.13 FEET TO A POINT ON A NON-TANGENT CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 170.00 FEET. A RADIAL LINE TO SAID POINT BEARS NORTH 54 DEGREES 47' 31" EAST; THENCE SOUTHERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 37 DEGREES 31' 43", AN ARC DISTANCE OF 111.35 FEET; THENCE SOUTH 01 DEGREES 37' 04" WEST 71.71 FEET; THENCE SOUTH 07 DEGREES 00' 57" EAST 42.02 FEET; THENCE SOUTH 54 DEGREES 11' 57" EAST 124.88 FEET; THENCE SOUTH 67 DEGREES 26' 47" WEST 215.89 FEET; THENCE SOUTH 65 DEGREES 43' 29" WEST 146.22 FEET; THENCE SOUTH 63 DEGREES 29' 51" WEST 166.26 FEET; THENCE SOUTH 29 DEGREES 45' 52" EAST 436.55 FEET; THENCE NORTH 67 DEGREES 11' 23" EAST 326.56 FEET; THENCE SOUTH 25 DEGREES 51' 24" EAST 170.00 FEET; THENCE NORTH 37 DEGREES 06' 28" EAST 276.06 FEET; THENCE NORTH 04 DEGREES 49' 32" WEST 633.11 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 5699.58 FEET; THENCE NORTHERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 04 DEGREES 39' 00", AN ARC DISTANCE OF 462.57 FEET; THENCE NORTH 09 DEGREES 28' 32" WEST 747.90 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 5699.78 FEET; THENCE NORTHERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 00 DEGREES 18' 00", AN ARC DISTANCE OF 29.84 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE WESTERLY HAVING A RADIUS OF 2834.79 FEET; THENCE NORTHERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 0 DEGREES 36' 00", AN ARC DISTANCE OF 29.69 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 1879.36 FEET; THENCE NORTHERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 0 DEGREES 44' 38", AN ARC DISTANCE OF 24.40 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE WESTERLY HAVING A RADIUS OF 1402.69 FEET; THENCE NORTHERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 04 DEGREES 50' 26", AN ARC DISTANCE OF 118.50 FEET TO THE TRUE POINT OF BEGINNING.

EXCEPT THEREFROM, FROM THOSE PORTIONS OF THE ABOVE DESCRIBED LAND INCLUDED THEREIN, ALL OIL, GAS, PETROLEUM AND MINERAL OR HYDROCARBON SUBSTANCES; PROVIDED, HOWEVER, THAT ANY AND ALL PROSPECTING AND/OR DEVELOPING AND REMOVING OF ANY SUCH OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN OR FROM SAID LAND, SHALL BE DONE BY MEANS OF WELLS DRILLED ON OTHER LANDS, AND THAT NO DERRICK OR OTHER STRUCTURE OR OIL OR MUD SUMP SHALL EVER BE ERECTED, PLACED OR MAINTAINED ON SAID LAND, OR ANY OTHER USE WHATSOEVER MADE OF THE SURFACE OF SAID LAND, AS EXCEPTED AND RESERVED BY EDISON SECURITIES COMPANY, A CORPORATION, IN DEED RECORDED SEPTEMBER 10, 1947 AS INSTRUMENT NO. 2910 IN BOOK 25075 PAGE 291, OFFICIAL RECORDS.

ALSO, EXCEPTING THEREFROM, FROM THOSE PORTIONS OF THE ABOVE DESCRIBED LAND INCLUDED THEREIN; ALL MINERAL AND ALL MINERAL

EXHIBIT A

LEGAL DESCRIPTION OF REAL PROPERTY CONVEYED

RIGHTS OF EVERY KIND AND CHARACTER NOW KNOWN TO EXIST OR
 HEREAFTER DISCOVERED, INCLUDING WITHOUT LIMITING THE GENERALITY
 OF THE FOREGOING, ALL OIL, GAS, PETROLEUM AND OTHER MINERAL OR
 HYDROCARBON SUBSTANCES IN AND UNDER, OR WHICH MAY BE PRODUCED
 FROM SAID LAND, TOGETHER WITH THE RIGHT TO USE THAT PORTION
 ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL WITH AND 500
 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF
 PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS,
 PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES FROM SAID
 LAND BY MEANS OF WELLS DRILLED INTO SAID SUBSURFACE OF SAID
 LAND FROM DRILL SITES LOCATED ON OTHER LANDS; AND ALSO
 EXCEPTING AND RESERVING UNTO GRANTORS, THEIR HEIRS,
 ADMINISTRATORS, EXECUTORS, SUCCESSORS OR ASSIGNS FOREVER, THE
 RIGHT TO DRILL WELLS AND BORE HOLES IN, UNDER AND THROUGH THAT
 PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL WITH
 AND 500 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE
 PURPOSE OF EXPLORING FOR AND/OR PRODUCING OIL, GAS, PETROLEUM
 AND OTHER MINERAL OR HYDROCARBON SUBSTANCES FROM OTHER LANDS BY
 MEANS OF WELLS OR BORE HOLES HAVING THEIR SURFACE LOCATIONS ON
 OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT
 GRANTORS, THEIR HEIRS, ADMINISTRATORS, EXECUTORS, SUCCESSORS
 AND ASSIGNS, SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF
 THE LAND HEREBY CONVEYED, OR TO USE THE LAND HEREBY CONVEYED OR
 ANY PORTION THEREOF TO SAID DEPTH OF 500 FEET FOR ANY PURPOSE
 WHATSOEVER; AS RESERVED BY HENRY F. ZASLOW AND MARILYN ZASLOW,
 HUSBAND AND WIFE, IN DEED RECORDED JUNE 4, 1958 AS INSTRUMENT
 NO. 3580, IN BOOK D-117 PAGE 387, OFFICIAL RECORDS.

ALSO, EXCEPT THEREFROM, FROM THOSE PORTIONS OF THE ABOVE
 DESCRIBED LAND INCLUDED THEREIN, ALL URANIUM, THORIUM, AND
 OTHER FISSIONABLE MATERIALS, ALL OIL, GAS, PETROLEUM, ASPHALTUM
 AND OTHER HYDROCARBON SUBSTANCES AND OTHER MINERALS AND MINERAL
 ORES OF EVERY KIND AND CHARACTER, WHETHER SIMILAR TO THESE
 HEREIN SPECIFIED OR NOT, WITHIN OR UNDERLYING, OR WHICH MAY BE
 PRODUCED FROM SAID LAND WHICH LIES BELOW A PLANE PARALLEL TO
 AND FIVE HUNDRED (500) FEET BELOW THE PRESENT SURFACE OF THAT
 CERTAIN REAL PROPERTY SITUATED IN THE CITY OF REDONDO BEACH,
 COUNTY OF LOS ANGELES, STATE OF CALIFORNIA; IT IS EXPRESSLY
 UNDERSTOOD AND AGREED THAT ASSOCIATED SOUTHERN CALIFORNIA
 INVESTMENT COMPANY, ITS SUCCESSORS AND ASSIGNS, SHALL HAVE NO
 RIGHT TO ENTER UPON THE SURFACE OF SAID LAND, OR TO USE SAID
 LAND OR ANY PORTION THEREOF, TO SAID DEPTH OF FIVE HUNDRED
 (500) FEET, FOR ANY PURPOSES WHATSOEVER, AS PROVIDED IN DEED
 RECORDED DECEMBER 12, 1975 AS INSTRUMENT NO. 3650, OFFICIAL
 RECORDS.

PARCEL 1B:

BEING THOSE PORTIONS OF THE RANCHO SAN PEDRO, THE TOWNSITE OF
 REDONDO BEACH PER MAP RECORDED IN BOOK 39 PAGES 1 THROUGH 17 OF

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LEGAL DESCRIPTION OF REAL PROPERTY CONVEYED

MISCELLANEOUS RECORDS AND THE OCEAN BEACH SUBDIVISION PER MAP RECORDED IN BOOK 2, PAGE 35 OF MAPS, IN THE CITY OF REDONDO BEACH, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF HARBOR DRIVE AND HERONDO STREET (SHOWN AS HERMOSA AVENUE AND ELEVENTH STREET ON THE MAP OF SAID OCEAN BEACH SUBDIVISION); THENCE NORTH 68 DEGREES 44' 01" EAST 1214.86 FEET ALONG THE CENTERLINE OF SAID HERONDO STREET; THENCE ALONG A TANGENT CURVE CONCAVE SOUTHERLY, HAVING A RADIUS OF 1000.00 FEET, THROUGH A CENTRAL ANGLE OF 3 DEGREES 28' 03", AN ARC DISTANCE OF 60.52 FEET TO A POINT ON A NON-TANGENT CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 1402.69 FEET. A RADIAL LINE TO SAID POINT BEARS NORTH 64 DEGREES 10' 13" EAST; THENCE SOUTHERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 9 DEGREES 52' 11", AN ARC DISTANCE OF 241.63 FEET TO THE TRUE POINT OF BEGINNING; THENCE SOUTH 66 DEGREES 48' 13" WEST 86.90 FEET; THENCE SOUTH 23 DEGREES 11' 47" EAST 5.15 FEET; THENCE SOUTH 66 DEGREES 48' 13" WEST 160.31 FEET; THENCE SOUTH 65 DEGREES 01' 53" WEST 169.21 FEET TO A CURVE CONCAVE SOUTHEASTERLY HAVING A RADIUS OF 8.00 FEET; THENCE SOUTHWESTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 88 DEGREES 49' 49", AN ARC DISTANCE OF 12.40 FEET; THENCE SOUTH 23 DEGREES 45' 41" EAST 159.66 FEET; THENCE SOUTH 25 DEGREES 59' 35" WEST 35.75 FEET; THENCE SOUTH 25 DEGREES 01' 14" EAST 31.16 FEET; THENCE SOUTH 64 DEGREES 58' 46" WEST 239.45 FEET; THENCE NORTH 24 DEGREES 29' 01" WEST 157.71 FEET; THENCE SOUTH 65 DEGREES 30' 59" WEST 18.50 FEET; THENCE SOUTH 24 DEGREES 29' 01" EAST 12.00 FEET; THENCE SOUTH 65 DEGREES 30' 59" WEST 108.89 FEET; THENCE SOUTH 24 DEGREES 29' 01" EAST 372.14 FEET; THENCE NORTH 65 DEGREES 30' 59" EAST 127.39 FEET; THENCE NORTH 80 DEGREES 44' 39" EAST 247.77 FEET; THENCE SOUTH 09 DEGREES 15' 21" EAST 232.90 FEET; THENCE SOUTH 10 DEGREES 18' 07" EAST, 113.82 FEET; THENCE SOUTH 80 DEGREES 29' 45" WEST 26.22 FEET; THENCE SOUTH 09 DEGREES 30' 15" EAST 225.30 FEET; THENCE NORTH 80 DEGREES 29' 45" EAST 10.50 FEET; SOUTH 09 DEGREES 30' 15" EAST 46.00 FEET; THENCE SOUTH 80 DEGREES 29' 45" WEST 10.50 FEET; THENCE SOUTH 09 DEGREES 30' 15" EAST 29.00 FEET; THENCE SOUTH 30 DEGREES 10' 20" WEST 36.13 FEET TO A POINT ON A NON-TANGENT CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 170.00 FEET. A RADIAL LINE TO SAID POINT BEARS NORTH 54 DEGREES 47' 31" EAST; THENCE SOUTHERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 37 DEGREES 31' 43", AN ARC DISTANCE OF 111.35 FEET; THENCE SOUTH 01 DEGREES 37' 04" WEST 71.71 FEET; THENCE SOUTH 07 DEGREES 00' 57" EAST 42.02 FEET; THENCE SOUTH 54 DEGREES 11' 57" EAST 124.88 FEET; THENCE SOUTH 67 DEGREES 26' 47" WEST 215.89 FEET; THENCE SOUTH 65 DEGREES 43' 29" WEST 146.22 FEET; THENCE SOUTH 63 DEGREES 29' 51" WEST 166.26 FEET; THENCE NORTH 29 DEGREES 45' 52" WEST 106.72 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE EASTERLY HAVING A RADIUS OF 1915.00 FEET;

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LEGAL DESCRIPTION OF REAL PROPERTY CONVEYED

THENCE NORTHERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 05 DEGREES 07' 53", AN ARC DISTANCE OF 171.51 FEET; THENCE NORTH 24 DEGREES 37' 58" WEST 1504.57 FEET; THENCE NORTH 68 DEGREES 44' 01" EAST 889.17 FEET; THENCE SOUTH 21 DEGREES 18' 24" EAST 45.00 FEET; THENCE NORTH 68 DEGREES 44' 01" EAST 75.26 FEET; THENCE NORTH 07 DEGREES 36' 36" EAST 51.39 FEET; THENCE NORTH 68 DEGREES 44' 01" EAST 190.18 FEET TO A POINT ON A TANGENT CURVE CONCAVE SOUTHERLY, HAVING A RADIUS OF 995.00 FEET; THENCE EASTERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 03 DEGREES 30' 36", AN ARC DISTANCE OF 50.95 FEET TO THE POINT ON A NON-TANGENT CURVE CONCAVE WESTERLY HAVING A RADIUS OF 1402.69 FEET, A RADIAL LINE TO SAID POINT BEARS NORTH 64 DEGREES 22' 36" EAST; THENCE SOUTHERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 09 DEGREES 39' 49", AN ARC DISTANCE OF 236.58 FEET TO THE TRUE POINT OF BEGINNING.

EXCEPT THEREFROM, FROM THOSE PORTIONS OF THE ABOVE DESCRIBED LAND INCLUDED THEREIN, ALL OIL, GAS, PETROLEUM AND MINERAL OR HYDROCARBON SUBSTANCES; PROVIDED, HOWEVER, THAT ANY AND ALL PROSPECTING AND/OR DEVELOPING AND REMOVING OF ANY SUCH OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN OR FROM SAID LAND, SHALL BE DONE BY MEANS OF WELLS DRILLED ON OTHER LANDS, AND THAT NO DERRICK OR OTHER STRUCTURE OR OIL OR MUD SUMP SHALL EVER BE ERECTED, PLACED OR MAINTAINED ON SAID LAND, OR ANY OTHER USE WHATSOEVER MADE OF THE SURFACE OF SAID LAND, AS EXCEPTED AND RESERVED BY EDISON SECURITIES COMPANY, A CORPORATION, IN DEED RECORDED SEPTEMBER 10, 1947 AS INSTRUMENT NO. 2910 IN BOOK 25075 PAGE 291, OFFICIAL RECORDS.

ALSO EXCEPT THEREFROM, FROM THOSE PORTIONS OF THE ABOVE DESCRIBED LAND INCLUDED THEREIN, ALL WATER WHICH MAY BE DEVELOPED THEREON IN EXCESS OF THAT QUANTITY WHICH CAN BE REASONABLY USED FOR IRRIGATION AND DOMESTIC USE THEREON, AS RESERVED BY REDONDO IMPROVEMENT COMPANY IN DEED RECORDED JANUARY 21, 1949 AS INSTRUMENT NO. 526 IN BOOK 29219 PAGE 225, OFFICIAL RECORDS

ALSO, EXCEPTING THEREFROM, FROM THOSE PORTIONS OF THE ABOVE DESCRIBED LAND INCLUDED THEREIN, ALL OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND, TOGETHER WITH THE RIGHT TO USE THAT PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL WITH AND 100 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUB-SURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD THAT SAID EDISON SECURITIES COMPANY, ITS SUCCESSORS OR ASSIGNS, SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING

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EXHIBIT A

SAID OIL, GAS, PETROLEUM AND/OR OTHER MINERAL OR HYDROCARBON SUBSTANCES FROM SAID LAND, OR FOR ANY OTHER PURPOSES WHATSOEVER, AS RESERVED BY EDISON SECURITIES COMPANY, A CORPORATION IN DEED RECORDED JANUARY 20, 1950 AS INSTRUMENT NO. 1252 IN BOOK 32030 PAGE 47, OF OFFICIAL RECORDS.

ALSO EXCEPT FROM THOSE PORTIONS OF THE ABOVE DESCRIBED LAND INCLUDED THEREIN, ALL OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN AND UNDER OR WHICH MAY BE PRODUCED FROM SAID LAND, TOGETHER WITH THE RIGHT TO USE THAT PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL TO AND FIVE HUNDRED (500) FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUBSURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT SAID SOUTH BAY CITIES SANITATION DISTRICT OF LOS ANGELES COUNTY, ITS SUCCESSORS AND ASSIGNS, SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND, OR TO USE SAID LAND OR ANY PORTION THEREOF, TO SAID DEPTH OF FIVE HUNDRED (500) FEET, FOR ANY PURPOSE WHATSOEVER, AS RESERVED BY SOUTH BAY CITIES SANITATION DISTRICT OF LOS ANGELES COUNTY, A BODY CORPORATE AND POLITIC, IN DEED RECORDED AUGUST 8, 1972 AS INSTRUMENT NO. 2293, IN BOOK D-5559 PAGE 809, OFFICIAL RECORDS.

ALSO, EXCEPT THEREFROM, FROM THOSE PORTIONS OF THE ABOVE DESCRIBED LAND INCLUDED THEREIN, ALL URANIUM, THORIUM, AND OTHER FISSIONABLE MATERIALS, ALL OIL, GAS, PETROLEUM, ASPHALTUM AND OTHER HYDROCARBON SUBSTANCES AND OTHER MINERALS AND MINERAL ORES OF EVERY KIND AND CHARACTER, WHETHER SIMILAR TO THESE HEREIN SPECIFIED OR NOT, WITHIN OR UNDERLYING, OR WHICH MAY BE PRODUCED FROM SAID LAND WHICH LIES BELOW A PLANE PARALLEL TO AND FIVE HUNDRED (500) FEET BELOW THE PRESENT SURFACE OF THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF REDONDO BEACH, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA; IT IS EXPRESSLY UNDERSTOOD AND AGREED THAT ASSOCIATED SOUTHERN CALIFORNIA INVESTMENT COMPANY, ITS SUCCESSORS AND ASSIGNS, SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND, OR TO USE SAID LAND OR ANY PORTION THEREOF, TO SAID DEPTH OF FIVE HUNDRED (500) FEET, FOR ANY PURPOSES WHATSOEVER, AS PROVIDED IN DEED RECORDED DECEMBER 12, 1975 AS INSTRUMENT NO. 3650, OFFICIAL RECORDS.

PARCEL 2 INTENTIONALLY DELETED.

PARCEL 3:

LOTS 74 TO 78, INCLUSIVE, OF THE OCEAN BEACH SUBDIVISION, IN THE CITY OF REDONDO BEACH, AS PER MAP RECORDED IN BOOK 2 PAGE

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EXHIBIT A

LEGAL DESCRIPTION OF REAL PROPERTY CONVEYED

35 OF MAPS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT FROM LOT 76 ABOVE, ALL WATER WHICH MAY BE DEVELOPED ON SAID LOT IN EXCESS OF THAT QUANTITY WHICH CAN BE REASONABLY USED FOR IRRIGATION AND DOMESTIC USE THEREON, AS EXCEPTED IN DEED RECORDED OCTOBER 11, 1946 IN BOOK 23806, PAGE 324, OFFICIAL RECORDS.

ALSO, EXCEPTING THEREFROM, FROM LOTS 77 AND 78, ALL OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES; PROVIDED, HOWEVER, THAT ANY AND ALL PROSPECTING AND/OR DEVELOPING AND REMOVING OF ANY SUCH OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN OR FROM SAID LAND, SHALL BE DONE BY MEANS OF WELLS DRILLED ON OTHER LANDS, AND THAT NO DERRICK OR OTHER STRUCTURE OR OIL OR MUD SUMP SHALL EVER BE ERECTED, PLACED OR MAINTAINED ON SAID LAND, OR ANY OTHER USE WHATSOEVER MADE OF THE SURFACE OF SAID LAND, AS EXCEPTED AND RESERVED BY EDISON SECURITIES COMPANY, A CORPORATION, IN DEED RECORDED SEPTEMBER 10, 1947 AS INSTRUMENT NO. 2910, IN BOOK 25075 PAGE 291, OFFICIAL RECORDS.

ALSO, EXCEPT THEREFROM, FROM LOTS 74, 75 AND 76, ALL URANIUM, THORIUM, AND OTHER FISSIONABLE MATERIALS, ALL OIL, GAS, PETROLEUM, ASPHALTUM AND OTHER HYDROCARBON SUBSTANCES AND OTHER MINERALS AND MINERAL ORES OF EVERY KIND AND CHARACTER, WHETHER SIMILAR TO THESE HEREIN SPECIFIED OR NOT, WITHIN OR UNDERLYING, OR WHICH MAY BE PRODUCED FROM SAID LAND WHICH LIES BELOW A PLANE PARALLEL TO AND FIVE HUNDRED (500) FEET BELOW THE PRESENT SURFACE OF THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF REDONDO BEACH, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA; IT IS EXPRESSLY UNDERSTOOD AND AGREED THAT ASSOCIATED SOUTHERN CALIFORNIA INVESTMENT COMPANY, ITS SUCCESSORS AND ASSIGNS, SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND, OR TO USE SAID LAND OR ANY PORTION THEREOF, TO SAID DEPTH OF FIVE HUNDRED (500) FEET, FOR ANY PURPOSES WHATSOEVER, AS PROVIDED IN DEED RECORDED DECEMBER 12, 1975 AS INSTRUMENT NO. 3650, OFFICIAL RECORDS.

PARCEL 4:

LOTS 84 TO 88, INCLUSIVE, OF TRACT NO. 1326, IN THE CITY OF REDONDO BEACH, AS PER MAP RECORDED IN BOOK 18 PAGE 67 OF MAPS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT THEREFROM, ALL URANIUM, THORIUM, AND OTHER FISSIONABLE MATERIALS, ALL OIL, GAS, PETROLEUM, ASPHALTUM AND OTHER HYDROCARBON SUBSTANCES AND OTHER MINERALS AND MINERAL ORES OF EVERY KIND AND CHARACTER, WHETHER SIMILAR TO THESE HEREIN SPECIFIED OR NOT, WITHIN OR UNDERLYING, OR WHICH MAY BE PRODUCED FROM SAID LAND WHICH LIES BELOW A PLANE PARALLEL TO AND FIVE

EXHIBIT A

LEGAL DESCRIPTION OF REAL PROPERTY CONVEYED

HUNDRED (500) FEET BELOW THE PRESENT SURFACE OF THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF REDONDO BEACH, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA; IT IS EXPRESSLY UNDERSTOOD AND AGREED THAT ASSOCIATED SOUTHERN CALIFORNIA INVESTMENT COMPANY, ITS SUCCESSORS AND ASSIGNS, SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND, OR TO USE SAID LAND OR ANY PORTION THEREOF, TO SAID DEPTH OF FIVE HUNDRED (500) FEET, FOR ANY PURPOSES WHATSOEVER, AS PROVIDED IN DEED RECORDED DECEMBER 12, 1975 AS INSTRUMENT NO. 3650, OFFICIAL RECORDS.

PARCEL 5:

A PARCEL OF LAND, SHOWN AS AN ALLEY, 12 FEET WIDE, ON THE MAP OF OCEAN BEACH SUBDIVISION, IN THE CITY OF REDONDO BEACH, AS PER MAP RECORDED IN BOOK 2 PAGE 35 OF MAPS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, WHICH ADJOINS LOTS 74 TO 78, INCLUSIVE, OF SAID OCEAN BEACH SUBDIVISION TRACT ON THE EAST; AND ALSO SHOWN ON THE MAP OF TRACT NO. 1326, IN THE CITY OF REDONDO BEACH, AS PER MAP RECORDED IN BOOK 18 PAGE 67 OF MAPS, ADJOINING LOTS 84 TO 88 INCLUSIVE, ON THE WEST, WHICH WAS VACATED BY ORDINANCE NO. 1107 AND RESOLUTION NO. 1544, IN THE CITY OF REDONDO BEACH; A CERTIFIED COPY OF SAID RESOLUTION RECORDED MARCH 1, 1947 AS INSTRUMENT NO. 958 IN BOOK 24285 PAGE 267, OFFICIAL RECORDS.

EXCEPT THEREFROM, FROM THAT PORTION OF SAID ALLEY ADJACENT TO SAID LOTS 77 AND 78, ALL OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES; PROVIDED, HOWEVER, THAT ANY AND ALL PROSPECTING AND/OR DEVELOPING AND REMOVING OF ANY SUCH OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN OR FROM SAID LAND, SHALL BE DONE BY MEANS OF WELLS DRILLED ON OTHER LANDS, AND THAT NO DERRICK OR OTHER STRUCTURE OR OIL OR MUD SUMP SHALL EVER BE ERECTED, PLACED OR MAINTAINED ON SAID LAND, OR ANY OTHER USE WHATSOEVER MADE OF THE SURFACE OF SAID LAND, AS EXCEPTED AND RESERVED BY EDISON SECURITIES COMPANY, A CORPORATION, IN DEED RECORDED SEPTEMBER 10, 1947 AS INSTRUMENT NO. 2910 IN BOOK 25075 PAGE 291, OFFICIAL RECORDS

ALSO, EXCEPT THEREFROM, FROM THAT PORTION OF SAID ALLEY, ADJACENT TO LOTS 74, 75 AND 76 AND LOTS 84 TO 88 INCLUSIVE, ALL URANIUM, THORIUM, AND OTHER FISSIONABLE MATERIALS, ALL OIL, GAS, PETROLEUM, ASPHALTUM AND OTHER HYDROCARBON SUBSTANCES AND OTHER MINERALS AND MINERAL ORES OF EVERY KIND AND CHARACTER, WHETHER SIMILAR TO THESE HEREBIN SPECIFIED OR NOT, WITHIN OR UNDERLYING, OR WHICH MAY BE PRODUCED FROM SAID LAND WHICH LIES BELOW A PLANE PARALLEL TO AND FIVE HUNDRED (500) FEET BELOW THE PRESENT SURFACE OF THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF REDONDO BEACH, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA; IT IS EXPRESSLY UNDERSTOOD AND AGREED THAT ASSOCIATED SOUTHERN CALIFORNIA INVESTMENT COMPANY, ITS

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SUCCESSORS AND ASSIGNS, SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND, OR TO USE SAID LAND OR ANY PORTION THEREOF, TO SAID DEPTH OF FIVE HUNDRED (500) FEET, FOR ANY PURPOSES WHATSOEVER, AS PROVIDED IN DEED RECORDED DECEMBER 12, 1975 AS INSTRUMENT NO. 3650, OFFICIAL RECORDS.

PARCEL 6:

LOT 89 OF OCEAN BEACH SUBDIVISION, IN THE CITY OF REDONDO BEACH, AS PER MAP RECORDED IN BOOK 2 PAGE 35 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

ALSO THAT PORTION OF HERMOSA AVENUE, NOW KNOWN AS HARBOR DRIVE, AS SHOWN ON SAID MAP, ADJOINING SAID LOT 89 ON THE EAST; VACATED BY ORDINANCE NO. 233 IN THE CITY OF REDONDO BEACH AND ORDINANCE NO. 635 IN THE CITY OF REDONDO BEACH, A CERTIFIED COPY OF SAID ORDINANCE NO. 635 RECORDED AUGUST 30, 1924 AS INSTRUMENT NO. 441 IN BOOK 3176 PAGE 310, OFFICIAL RECORDS.

EXCEPT ALL OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND, TOGETHER WITH THE RIGHT TO USE THAT PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL TO AND 100 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, AND OTHER MINERALS OR OR HYDROCARBON SUBSTANCES FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUBSURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT SAID EDISON SECURITIES COMPANY SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND OR ANY PORTION THEREOF TO SAID DEPTH OF 100 FEET, FOR ANY PURPOSE WHATSOEVER, AS RESERVED IN THE DEED FROM EDISON SECURITIES COMPANY, A CORPORATION, RECORDED DECEMBER 17, 1952 AS INSTRUMENT NO. 2573, IN BOOK 40545 PAGE 272, OFFICIAL RECORDS.

PARCEL 7:

LOTS 59 AND 60 OF OCEAN BEACH SUBDIVISION, IN THE CITY OF REDONDO BEACH, AS PER MAP RECORDED IN BOOK 2 PAGE 35 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT ALL OIL, GAS, PETROLEUM AND OTHER MINERALS OR HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND TOGETHER WITH THE RIGHT TO USE THAT PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL TO AND 100 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, AND OTHER MINERALS OR HYDROCARBON SUBSTANCES FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUBSURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT SAID EDISON

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SECURITIES COMPANY SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND OR TO USE SAID LAND OR ANY PORTION THEREOF TO SAID DEPTH OF 100 FEET, FOR ANY PURPOSE WHATSOEVER, AS RESERVED IN THE DEED FROM EDISON SECURITIES COMPANY, A CORPORATION, RECORDED DECEMBER 16, 1952 AS INSTRUMENT NO. 3225, IN BOOK 40536 PAGE 237, OFFICIAL RECORDS.

PARCEL 8:

LOTS 72 AND 90 OF THE OCEAN BEACH SUBDIVISION, IN THE CITY OF REDONDO BEACH, AS PER MAP RECORDED IN BOOK 2 PAGE 35 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

ALSO THAT PORTION OF HERMOSA AVENUE, NOW KNOWN AS HARBOR DRIVE AS SHOWN ON SAID MAP, VACATED BY ORDINANCE NO. 233 IN SAID CITY OF REDONDO BEACH, AND ORDINANCE NO. 635 IN THE CITY OF REDONDO BEACH, A CERTIFIED COPY OF SAID ORDINANCE NO. 635, RECORDED AUGUST 30, 1924 AS INSTRUMENT NO. 441 IN BOOK 3176 PAGE 310, OFFICIAL RECORDS, ADJOINING SAID LOT 90 ON THE NORTHEAST.

EXCEPT THEREFROM, THE SOUTHERLY 20.00 FEET OF LOT 72 AND THE SOUTHERLY 20.00 FEET OF LOT 90, BOTH IN THE OCEAN BEACH SUBDIVISION, AS PER MAP RECORDED IN BOOK 2, PAGE 35, OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID LOS ANGELES COUNTY, AS GRANTED TO CITY OF REDONDO BEACH, IN DEED RECORDED JANUARY 12, 1970 AS INSTRUMENT NO. 1961, OFFICIAL RECORDS.

ALSO, EXCEPT ALL OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN AND UNDER THE LAND, TOGETHER WITH THE RIGHT TO USE THAT PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL TO AND 100 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, ETC. FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUBSURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT SAID EDISON SECURITIES COMPANY, ITS SUCCESSORS AND ASSIGNS SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND, OR TO USE SAID LAND OR ANY PART THEREOF, TO SAID DEPTH OF 100 FEET, FOR ANY PURPOSE WHATSOEVER, AS RESERVED BY EDISON SECURITIES COMPANY, A CORPORATION, IN DEED RECORDED DECEMBER 29, 1952 AS INSTRUMENT NO. 1609 IN BOOK 40606 PAGE 311, OFFICIAL RECORDS.

PARCEL 9:

THAT PORTION OF TENTH STREET, FORMERLY NINTH STREET, AS SAME IS SHOWN AND DESIGNATED AS 9TH STREET ON A MAP OF TRACT NO. 1326 RECORDED IN BOOK 18, PAGE 67, OF MAPS, AND AS SHOWN ON THE MAP OF OCEAN BEACH SUBDIVISION, AS PER MAP RECORDED IN BOOK 2 PAGE 35 OF MAPS, IN THE CITY OF REDONDO BEACH, IN THE OFFICE OF THE

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COUNTY RECORDER OF THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, WHICH EXTENDS FROM THE WESTERLY LINE OF HERMOSA AVENUE, WESTERLY TO THE EASTERLY LINE OF THE STRAND;

AND THAT PORTION OF THAT CERTAIN PUBLIC ALLEY WHICH LIES WESTERLY OF AND ADJOINS THE WESTERLY LINE OF LOT 89 OF OCEAN BEACH SUBDIVISION, AS PER MAP RECORDED IN BOOK 2, PAGE 35, OF MAPS, IN THE CITY OF REDONDO BEACH, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, AND WHICH EXTENDS FROM THE SOUTHERLY LINE OF SAID ABOVE MENTIONED TENTH STREET, SOUTHERLY TO A LINE WHICH IS PARALLEL WITH AND 50.00 FEET NORTHERLY, MEASURED AT RIGHT ANGELES, FROM THE SOUTHERLY LINE AND ITS WESTERLY PROLONGATION, OF LOT 90 OF SAID OCEAN BEACH SUBDIVISION, AS VACATED BY ORDINANCE NO. 1360, RESOLUTION NO. 2401, A CERTIFIED COPY OF SAID RESOLUTION RECORDED JUNE 22, 1953 AS INSTRUMENT NO. 2008 IN BOOK 42027 PAGE 34, OFFICIAL RECORDS.

EXCEPT THEREFROM, FROM THAT PORTION OF SAID TENTH STREET AND SAID ALLEY ADJACENT TO LOT 89, ALL OIL, GAS, PETROLEUM AND OTHER MINERALS OR HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND, TOGETHER WITH THE RIGHT TO USE THAT PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL TO AND 100 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS AND OTHER MINERALS OR HYDROCARBON SUBSTANCES FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUBSURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT SAID EDISON SECURITIES COMPANY SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND OR TO USE SAID LAND OR ANY PORTION THEREOF TO SAID DEPTH OF 100 FEET, FOR ANY PURPOSE WHATSOEVER, AS RESERVED IN THE DEED FROM EDISON SECURITIES COMPANY, A CORPORATION, RECORDED DECEMBER 17, 1952 AS INSTRUMENT NO. 2573 IN BOOK 40545 PAGE 272, OF OFFICIAL RECORDS.

ALSO, EXCEPTING THEREFROM, FROM THAT PORTION OF SAID TENTH STREET AND SAID ALLEY ADJACENT TO LOT 73, ALL OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND, TOGETHER WITH THE RIGHT TO USE THAT PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL TO AND ONE HUNDRED (100) FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUBSURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT SAID EDISON SECURITIES COMPANY, ITS SUCCESSORS AND ASSIGNS, SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND, OR TO USE SAID LAND OR ANY PORTION THEREOF, TO SAID DEPTH OF ONE HUNDRED (100) FEET, FOR ANY PURPOSE WHATSOEVER, AS RESERVED IN DEED RECORDED MARCH 19, 1953 AS INSTRUMENT NO. 2743 IN BOOK 41257 PAGE 62,

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ALSO, EXCEPT THEREFROM, FROM THAT PORTION OF SAID TENTH STREET AND SAID ALLEY ADJACENT TO LOT 88 OF SAID TRACT NO. 1326, AND ADJACENT TO LOT 74 OF SAID OCEAN BEACH SUBDIVISION, ALL URANIUM, THORIUM, AND OTHER FISSIONABLE MATERIALS, ALL OIL, GAS, PETROLEUM, ASPHALTUM AND OTHER HYDROCARBON SUBSTANCES AND OTHER MINERALS AND MINERAL ORES OF EVERY KIND AND CHARACTER, WHETHER SIMILAR TO THESE HEREIN SPECIFIED OR NOT, WITHIN OR UNDERLYING, OR WHICH MAY BE PRODUCED FROM SAID LAND WHICH LIES BELOW A PLANE PARALLEL TO AND FIVE HUNDRED (500) FEET BELOW THE PRESENT SURFACE OF THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF REDONDO BEACH, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA; IT IS EXPRESSLY UNDERSTOOD AND AGREED THAT ASSOCIATED SOUTHERN CALIFORNIA INVESTMENT COMPANY, ITS SUCCESSORS AND ASSIGNS, SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND, OR TO USE SAID LAND OR ANY PORTION THEREOF, TO SAID DEPTH OF FIVE HUNDRED (500) FEET, FOR ANY PURPOSES WHATSOEVER, AS PROVIDED IN DEED RECORDED DECEMBER 12, 1975 AS INSTRUMENT NO. 3650, OFFICIAL RECORDS.

PARCEL 10:

LOT 102 OF THE OCEAN BEACH SUBDIVISION, IN THE CITY OF REDONDO BEACH, AS PER MAP RECORDED IN BOOK 2 PAGE 35 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT ALL OIL, GAS, PETROLEUM AND OTHER MINERALS OR HYDRO-CARBON SUBSTANCES IN AND UNDER SAID LAND TOGETHER WITH THE RIGHT TO USE THAT PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL TO AND 100 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, AND OTHER MINERALS OR HYDROCARBON SUBSTANCES FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUBSURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT SAID EDISON SECURITIES COMPANY SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND OR TO USE SAID LAND OR ANY PORTION THEREOF TO SAID DEPTH OF 100 FEET, FOR ANY PURPOSE WHATSOEVER, AS RESERVED IN THE DEED FROM EDISON SECURITIES COMPANY, A CORPORATION, RECORDED DECEMBER 16, 1952 AS INSTRUMENT NO. 3226, IN BOOK 40536 PAGE 291, OFFICIAL RECORDS.

PARCEL 11:

LOT 103 OF OCEAN BEACH SUBDIVISION, IN THE CITY OF REDONDO BEACH, AS PER MAP RECORDED IN BOOK 2 PAGE 35 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT ALL OIL, GAS, PETROLEUM AND OTHER MINERALS OR

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HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND) TOGETHER WITH THE RIGHT TO USE THAT PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL TO AND 100 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, AND OTHER MINERALS OR HYDROCARBON SUBSTANCES FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUBSURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT SAID EDISON SECURITIES COMPANY SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND OR TO USE SAID LAND OR ANY PORTION THEREOF TO SAID DEPTH OF 100 FEET, FOR ANY PURPOSE WHATSOEVER, AS RESERVED IN THE DEED FROM EDISON SECURITIES COMPANY, A CORPORATION, RECORDED DECEMBER 16, 1952 AS INSTRUMENT NO. 3224, IN BOOK 40536 PAGE 241, OFFICIAL RECORDS.

PARCEL 12:

THAT PORTION OF THAT CERTAIN ALLEY, SHOWN AS SURF WAY (12 FEET WIDE) AS SHOWN ON MAP OF THE OCEAN BEACH SUBDIVISION, CITY OF REDONDO BEACH, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS RECORDED IN MAP BOOK 2, PAGE 35, RECORDS OF LOS ANGELES COUNTY, EXTENDING BETWEEN THE NORTH LINE OF 7TH STREET (FORMERLY 6TH STREET, 50 FT. WIDE) ALSO KNOWN AS MARINA WAY, AND A LINE PARALLEL WITH AND 85 FEET NORTHERLY OF SAID NORTH LINE OF 7TH STREET, AS VACATED BY RESOLUTION NO. 3963, A CERTIFIED COPY OF WHICH RECORDED AUGUST 1, 1963 AS INSTRUMENT NO. 6810 IN BOOK D2129 PAGE 19, OFFICIAL RECORDS.

EXCEPT THEREFROM, FROM THAT PORTION OF SAID ALLEY ADJACENT TO LOTS 59 AND 60 OF SAID OCEAN BEACH SUBDIVISION, ALL OIL, GAS, PETROLEUM AND OTHER MINERALS OR HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND TOGETHER WITH THE RIGHT TO USE THAT PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL TO AND 100 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, AND OTHER MINERALS OR HYDROCARBON SUBSTANCES FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUBSURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT SAID EDISON SECURITIES COMPANY SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND OR TO USE SAID LAND OR ANY PORTION THEREOF TO SAID DEPTH OF 100 FEET, FOR ANY PURPOSE WHATSOEVER, AS RESERVED IN THE DEED FROM EDISON SECURITIES COMPANY, A CORPORATION, RECORDED DECEMBER 16, 1952 AS INSTRUMENT NO. 3225, IN BOOK 40536 PAGE 237, OFFICIAL RECORDS.

ALSO, EXCEPT THEREFROM, FROM THAT PORTION OF SAID ALLEY ADJACENT TO LOT 103 OF SAID OCEAN BEACH SUBDIVISION, ALL OIL, GAS, PETROLEUM AND OTHER MINERALS OR HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND TOGETHER WITH THE RIGHT TO USE THAT PORTION

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ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL TO AND 100 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, AND OTHER MINERALS OR HYDROCARBON SUBSTANCES FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUBSURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT SAID EDISON SECURITIES COMPANY SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND OR TO USE SAID LAND OR ANY PORTION THEREOF TO SAID DEPTH OF 100 FEET, FOR ANY PURPOSE WHATSOEVER, AS RESERVED IN THE DEED FROM EDISON SECURITIES COMPANY, A CORPORATION, RECORDED DECEMBER 16, 1952 AS INSTRUMENT NO. 3224, IN BOOK 40536 PAGE 211, OFFICIAL RECORDS.

ALSO, EXCEPT THEREFROM, FROM THAT PORTION OF SAID ALLEY ADJACENT TO LOT 102 OF SAID OCEAN BEACH SUBDIVISION, ALL OIL, GAS, PETROLEUM AND OTHER MINERALS OR HYDRO-CARBON SUBSTANCES IN AND UNDER SAID LAND TOGETHER WITH THE RIGHT TO USE THAT PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL TO AND 100 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, AND OTHER MINERALS OR HYDROCARBON SUBSTANCES FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUBSURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT SAID EDISON SECURITIES COMPANY SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND OR TO USE SAID LAND OR ANY PORTION THEREOF TO SAID DEPTH OF 100 FEET, FOR ANY PURPOSE WHATSOEVER, AS RESERVED IN THE DEED FROM EDISON SECURITIES COMPANY, A CORPORATION, RECORDED DECEMBER 16, 1952 AS INSTRUMENT NO. 3226, IN BOOK 40536 PAGE 251, OFFICIAL RECORDS.

PARCEL 13:

LOT 73 OF OCEAN BEACH SUBDIVISION IN THE CITY OF REDONDO BEACH, AS PER MAP RECORDED IN BOOK 2 PAGE 35 OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPTING THEREFROM, ALL OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND, TOGETHER WITH THE RIGHT TO USE THAT PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL TO AND ONE HUNDRED (100) FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUBSURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT SAID EDISON SECURITIES COMPANY, ITS SUCCESSORS AND ASSIGNS, SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND, OR TO USE SAID LAND OR ANY PORTION THEREOF, TO SAID DEPTH

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**OF ONE HUNDRED (100) FEET, FOR ANY PURPOSE WHATSOEVER, AS
RESERVED IN DEED RECORDED MARCH 19, 1953 AS INSTRUMENT NO. 2743
IN BOOK 41257 PAGE 62, OFFICIAL RECORDS.**

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PARCEL 1B:

BEING THOSE PORTIONS OF THE RANCHO SAN PEDRO, THE TOWNSITE OF REDONDO BEACH PER MAP RECORDED IN BOOK 39 PAGES 1 THROUGH 17 OF MISCELLANEOUS RECORDS AND THE OCEAN BEACH SUBDIVISION PER MAP RECORDED IN BOOK 2, PAGE 35 OF MAPS, IN THE CITY OF REDONDO BEACH, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF HARBOR DRIVE AND HERONDO STREET (SHOWN AS HERMOSA AVENUE AND ELEVENTH STREET ON THE MAP OF SAID OCEAN BEACH SUBDIVISION); THENCE NORTH 68 DEGREES 44' 01" EAST 1214.86 FEET ALONG THE CENTERLINE OF SAID HERONDO STREET; THENCE ALONG A TANGENT CURVE CONCAVE SOUTHERLY, HAVING A RADIUS OF 1000.00 FEET, THROUGH A CENTRAL ANGLE OF 3 DEGREES 28' 03", AN ARC DISTANCE OF 60.52 FEET TO A POINT ON A NON-TANGENT CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 1402.69 FEET. A RADIAL LINE TO SAID POINT BEARS NORTH 64 DEGREES 10' 13" EAST; THENCE SOUTHERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 9 DEGREES 52' 11", AN ARC DISTANCE OF 241.63 FEET TO THE TRUE POINT OF BEGINNING; THENCE SOUTH 66 DEGREES 48' 13" WEST 86.90 FEET; THENCE SOUTH 23 DEGREES 11' 47" EAST 5.15 FEET; THENCE SOUTH 66 DEGREES 48' 13" WEST 160.31 FEET; THENCE SOUTH 65 DEGREES 01' 53" WEST 169.21 FEET TO A CURVE CONCAVE SOUTHEASTERLY HAVING A RADIUS OF 8.00 FEET; THENCE SOUTHWESTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 88 DEGREES 49' 49", AN ARC DISTANCE OF 12.40 FEET; THENCE SOUTH 23 DEGREES 45' 41" EAST 159.66 FEET; THENCE SOUTH 25 DEGREES 59' 35" WEST 35.75 FEET; THENCE SOUTH 25 DEGREES 01' 14" EAST 31.16 FEET; THENCE SOUTH 64 DEGREES 58' 46" WEST 239.45 FEET; THENCE NORTH 24 DEGREES 29' 01" WEST 157.71 FEET; THENCE SOUTH 65 DEGREES 30' 59" WEST 18.50 FEET; THENCE SOUTH 24 DEGREES 29' 01" EAST 12.00 FEET; THENCE SOUTH 65 DEGREES 30' 59" WEST 108.89 FEET; THENCE SOUTH 24 DEGREES 29' 01" EAST 372.14 FEET; THENCE NORTH 65 DEGREES 30' 59" EAST 127.39 FEET; THENCE NORTH 80 DEGREES 44' 39" EAST 247.77 FEET; THENCE SOUTH 09 DEGREES 15' 21" EAST 232.90 FEET; THENCE SOUTH 10 DEGREES 18' 07" EAST, 113.82 FEET; THENCE SOUTH 80 DEGREES 29' 45" WEST 26.22 FEET; THENCE SOUTH 09 DEGREES 30' 15" EAST 225.30 FEET; THENCE NORTH 80 DEGREES 29' 45" EAST 10.50 FEET; SOUTH 09 DEGREES 30' 15" EAST 46.00 FEET; THENCE SOUTH 80 DEGREES 29' 45" WEST 10.50 FEET; THENCE SOUTH 09 DEGREES 30' 15" EAST 29.00 FEET; THENCE SOUTH 30 DEGREES 10' 20" WEST 36.13 FEET TO A POINT ON A NON-TANGENT CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 170.00 FEET. A RADIAL LINE TO SAID POINT BEARS NORTH 54 DEGREES 47' 31" EAST; THENCE SOUTHERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 37 DEGREES 31' 43", AN ARC DISTANCE OF 111.35 FEET; THENCE SOUTH 01 DEGREES 37' 04" WEST 71.71 FEET; THENCE SOUTH 07 DEGREES 00' 57" EAST 42.02 FEET; THENCE SOUTH 54 DEGREES 11' 57" EAST 124.88 FEET; THENCE SOUTH 67 DEGREES 26' 47" WEST 215.89 FEET; THENCE SOUTH 65 DEGREES 43' 29" WEST 146.22 FEET; THENCE SOUTH 63 DEGREES 29' 51" WEST 166.26 FEET; THENCE NORTH

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LEGAL DESCRIPTION OF PLANT LAND

29 DEGREES 45' 52" WEST 106.72 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE EASTERLY HAVING A RADIUS OF 1915.00 FEET; THENCE NORTHERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 05 DEGREES 07' 53", AN ARC DISTANCE OF 171.51 FEET; THENCE NORTH 24 DEGREES 37' 58" WEST 1504.57 FEET; THENCE NORTH 68 DEGREES 44' 01" EAST 889.17 FEET; THENCE SOUTH 21 DEGREES 18' 24" EAST 45.00 FEET; THENCE NORTH 68 DEGREES 44' 01" EAST 75.26 FEET; THENCE NORTH 07 DEGREES 36' 36" EAST 51.39 FEET; THENCE NORTH 68 DEGREES 44' 01" EAST 190.18 FEET TO A POINT ON A TANGENT CURVE CONCAVE SOUTHERLY, HAVING A RADIUS OF 995.00 FEET; THENCE EASTERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 03 DEGREES 30' 36", AN ARC DISTANCE OF 60.95 FEET TO THE POINT ON A NON-TANGENT CURVE CONCAVE WESTERLY HAVING A RADIUS OF 1402.69 FEET, A RADIAL LINE TO SAID POINT BEARS NORTH 64 DEGREES 22' 36" EAST; THENCE SOUTHERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 09 DEGREES 39' 49", AN ARC DISTANCE OF 236.58 FEET TO THE TRUE POINT OF BEGINNING.

EXCEPT THEREFROM, FROM THOSE PORTIONS OF THE ABOVE DESCRIBED LAND INCLUDED THEREIN, ALL OIL, GAS, PETROLEUM AND MINERAL OR HYDROCARBON SUBSTANCES; PROVIDED, HOWEVER, THAT ANY AND ALL PROSPECTING AND/OR DEVELOPING AND REMOVING OF ANY SUCH OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN OR FROM SAID LAND, SHALL BE DONE BY MEANS OF WELLS DRILLED ON OTHER LANDS, AND THAT NO DERRICK OR OTHER STRUCTURE OR OIL OR MUD SUMP SHALL EVER BE ERECTED, PLACED OR MAINTAINED ON SAID LAND, OR ANY OTHER USE WHATSOEVER MADE OF THE SURFACE OF SAID LAND, AS EXCEPTED AND RESERVED BY EDISON SECURITIES COMPANY, A CORPORATION, IN DEED RECORDED SEPTEMBER 10, 1947 AS INSTRUMENT NO. 2910 IN BOOK 25075 PAGE 291, OFFICIAL RECORDS.

ALSO EXCEPT THEREFROM, FROM THOSE PORTIONS OF THE ABOVE DESCRIBED LAND INCLUDED THEREIN, ALL WATER WHICH MAY BE DEVELOPED THEREON IN EXCESS OF THAT QUANTITY WHICH CAN BE REASONABLY USED FOR IRRIGATION AND DOMESTIC USE THEREON, AS RESERVED BY REDONDO IMPROVEMENT COMPANY IN DEED RECORDED JANUARY 21, 1949 AS INSTRUMENT NO. 526 IN BOOK 29219 PAGE 225, OFFICIAL RECORDS

ALSO, EXCEPTING THEREFROM, FROM THOSE PORTIONS OF THE ABOVE DESCRIBED LAND INCLUDED THEREIN, ALL OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND, TOGETHER WITH THE RIGHT TO USE THAT PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL WITH AND 100 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUB-SURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD THAT SAID EDISON SECURITIES COMPANY, ITS SUCCESSORS OR ASSIGNS,

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EXHIBIT B

LEGAL DESCRIPTION OF PLANT LAND

SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, PETROLEUM AND/OR OTHER MINERAL OR HYDROCARBON SUBSTANCES FROM SAID LAND, OR FOR ANY OTHER PURPOSES WHATSOEVER, AS RESERVED BY EDISON SECURITIES COMPANY, A CORPORATION IN DEED RECORDED JANUARY 20, 1950 AS INSTRUMENT NO. 1252 IN BOOK 32030 PAGE 47, OF OFFICIAL RECORDS.

ALSO EXCEPT FROM THOSE PORTIONS OF THE ABOVE DESCRIBED LAND INCLUDED THEREIN, ALL OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN AND UNDER OR WHICH MAY BE PRODUCED FROM SAID LAND, TOGETHER WITH THE RIGHT TO USE THAT PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL TO AND FIVE HUNDRED (500) FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUBSURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT SAID SOUTH BAY CITIES SANITATION DISTRICT OF LOS ANGELES COUNTY, ITS SUCCESSORS AND ASSIGNS, SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND, OR TO USE SAID LAND OR ANY PORTION THEREOF, TO SAID DEPTH OF FIVE HUNDRED (500) FEET, FOR ANY PURPOSE WHATSOEVER, AS RESERVED BY SOUTH BAY CITIES SANITATION DISTRICT OF LOS ANGELES COUNTY, A BODY CORPORATE AND POLITIC, IN DEED RECORDED AUGUST 8, 1972 AS INSTRUMENT NO. 2293, IN BOOK D-5559 PAGE 809, OFFICIAL RECORDS.

ALSO, EXCEPT THEREFROM, FROM THOSE PORTIONS OF THE ABOVE DESCRIBED LAND INCLUDED THEREIN, ALL URANIUM, THORIUM, AND OTHER FISSIONABLE MATERIALS, ALL OIL, GAS, PETROLEUM, ASPHALTUM AND OTHER HYDROCARBON SUBSTANCES AND OTHER MINERALS AND MINERAL ORES OF EVERY KIND AND CHARACTER, WHETHER SIMILAR TO THESE HEREIN SPECIFIED OR NOT, WITHIN OR UNDERLYING, OR WHICH MAY BE PRODUCED FROM SAID LAND WHICH LIES BELOW A PLANE PARALLEL TO AND FIVE HUNDRED (500) FEET BELOW THE PRESENT SURFACE OF THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF REDONDO BEACH, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA; IT IS EXPRESSLY UNDERSTOOD AND AGREED THAT ASSOCIATED SOUTHERN CALIFORNIA INVESTMENT COMPANY, ITS SUCCESSORS AND ASSIGNS, SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND, OR TO USE SAID LAND OR ANY PORTION THEREOF, TO SAID DEPTH OF FIVE HUNDRED (500) FEET, FOR ANY PURPOSES WHATSOEVER, AS PROVIDED IN DEED RECORDED DECEMBER 12, 1975 AS INSTRUMENT NO. 3650, OFFICIAL RECORDS.

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EXHIBIT C

LEGAL DESCRIPTION OF OPTION LAND

PARCEL 1A:

BEING THOSE PORTIONS OF THE RANCHO SAN PEDRO, THE TOWNSITE OF REDONDO BEACH PER MAP RECORDED IN BOOK 39 PAGES 1 THROUGH 17 OF MISCELLANEOUS RECORDS AND THE OCEAN BEACH SUBDIVISION PER MAP RECORDED IN BOOK 2, PAGE 35 OF MAPS, IN THE CITY OF REDONDO BEACH, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

BEGINNING AT THE INTERSECTION OF HARBOR DRIVE AND HERONDO STREET (SHOWN AS HERMOSA AVENUE AND ELEVENTH STREET ON THE MAP OF SAID OCEAN BEACH SUBDIVISION); THENCE NORTH 68 DEGREES 44' 01" EAST 1214.86 FEET ALONG THE CENTERLINE OF SAID HERONDO STREET; THENCE ALONG A TANGENT CURVE CONCAVE SOUTHERLY, HAVING A RADIUS OF 1000.00 FEET, THROUGH A CENTRAL ANGLE OF 3 DEGREES 28' 03", AN ARC DISTANCE OF 60.52 FEET TO A POINT ON A NONTANGENT CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 1402.69 FEET, A RADIAL LINE TO SAID POINT BEARS NORTH 64 DEGREES 10' 13" EAST; THENCE SOUTHERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 9 DEGREES 52' 11", AN ARC DISTANCE OF 241.63 FEET TO THE TRUE POINT OF BEGINNING; THENCE SOUTH 60 DEGREES 48' 13" WEST 86.90 FEET; THENCE SOUTH 23 DEGREES 11' 47" EAST 5.15 FEET; THENCE SOUTH 66 DEGREES 48' 13" WEST 60.31 FEET; THENCE SOUTH 65 DEGREES 01' 53" WEST 169.21 FEET TO A CURVE CONCAVE SOUTHEASTERLY HAVING A RADIUS OF 8.00 FEET; THENCE SOUTHWESTERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 88 DEGREES 49' 49", AN ARC DISTANCE OF 12.40 FEET; THENCE SOUTH 23 DEGREES 45' 41" EAST, 159.66 FEET; THENCE SOUTH 25 DEGREES 59' 35" WEST 35.75 FEET; THENCE SOUTH 25 DEGREES 01' 14" EAST 31.16 FEET; THENCE SOUTH 64 DEGREES 58' 46" WEST 239.45 FEET; THENCE NORTH 24 DEGREES 29' 01" WEST 157.71 FEET; THENCE SOUTH 65 DEGREES 30' 59" WEST 18.50 FEET; THENCE SOUTH 24 DEGREES 29' 01" EAST, 12.00 FEET; THENCE SOUTH 65 DEGREES 30' 59" WEST 108.89 FEET; THENCE SOUTH 24 DEGREES 29' 01" EAST 372.14 FEET; THENCE NORTH 65 DEGREES 30' 59" EAST 127.39 FEET; THENCE NORTH 80 DEGREES 44' 39" EAST 247.77 FEET; THENCE SOUTH 09 DEGREES 15' 21" EAST 232.90 FEET; THENCE SOUTH 10 DEGREES 18' 07" EAST, 113.82 FEET; THENCE SOUTH 80 DEGREES 29' 45" WEST 26.22 FEET;

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EXHIBIT C

LEGAL DESCRIPTION OF OPTION LAND

THENCE SOUTH 09 DEGREES 30' 15" EAST 225.30 FEET; THENCE NORTH 80 DEGREES 29' 45" EAST 10.50 FEET; SOUTH 09 DEGREES 30' 15" EAST 46.00 FEET; THENCE SOUTH 80 DEGREES 29' 45" WEST 10.50 FEET; THENCE SOUTH 09 DEGREES 30' 15" EAST 299.00 FEET; THENCE SOUTH 30 DEGREES 10' 20" WEST 36.13 FEET TO A POINT ON A NON-TANGENT CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 170.00 FEET. A RADIAL LINE TO SAID POINT BEARS NORTH 54 DEGREES 47' 31" EAST; THENCE SOUTHERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 37 DEGREES 31' 43", AN ARC DISTANCE OF 111.35 FEET; THENCE SOUTH 01 DEGREES 37' 04" WEST 71.71 FEET; THENCE SOUTH 07 DEGREES 00' 57" EAST 42.02 FEET; THENCE SOUTH 54 DEGREES 11' 57" EAST 124.88 FEET; THENCE SOUTH 67 DEGREES 26' 47" WEST 215.89 FEET; THENCE SOUTH 65 DEGREES 43' 29" WEST 146.22 FEET; THENCE SOUTH 63 DEGREES 29' 51" WEST 166.26 FEET; THENCE SOUTH 29 DEGREES 45' 52" EAST 436.55 FEET; THENCE NORTH 67 DEGREES 11' 23" EAST 326.56 FEET; THENCE SOUTH 25 DEGREES 51' 24" EAST 170.00 FEET; THENCE NORTH 37 DEGREES 06' 28" EAST 276.06 FEET; THENCE NORTH 04 DEGREES 49' 32" WEST 633.11 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 5699.58 FEET; THENCE NORTHERLY ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 04 DEGREES 39' 00", AN ARC DISTANCE OF 462.57 FEET; THENCE NORTH 09 DEGREES 28' 32" WEST 747.90 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 5699.78 FEET; THENCE NORTHERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 00 DEGREES 18' 00", AN ARC DISTANCE OF 29.84 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE WESTERLY HAVING A RADIUS OF 2834.79 FEET; THENCE NORTHERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 0 DEGREES 36' 00", AN ARC DISTANCE OF 29.69 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 1879.86 FEET; THENCE NORTHERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 0 DEGREES 44' 38", AN ARC DISTANCE OF 24.40 FEET TO THE BEGINNING OF A TANGENT CURVE CONCAVE WESTERLY HAVING A RADIUS OF 1402.69 FEET; THENCE NORTHERLY ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 04 DEGREES 50' 26", AN ARC DISTANCE OF 118.50 FEET TO THE TRUE POINT OF BEGINNING.

EXCEPT THEREFROM, FROM THOSE PORTIONS OF THE ABOVE DESCRIBED LAND INCLUDED THEREIN, ALL OIL, GAS, PETROLEUM AND MINERAL OR HYDROCARBON SUBSTANCES; PROVIDED, HOWEVER, THAT ANY AND ALL PROSPECTING AND/OR DEVELOPING AND REMOVING OF ANY SUCH OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN OR FROM SAID LAND, SHALL BE DONE BY MEANS OF WELLS DRILLED ON OTHER LANDS, AND THAT NO DERRICK OR OTHER STRUCTURE OR OIL OR MUD SUMP SHALL EVER BE ERECTED, PLACED OR MAINTAINED ON SAID LAND, OR ANY OTHER USE WHATSOEVER MADE OF THE SURFACE OF SAID LAND, AS EXCEPTED AND RESERVED BY EDISON SECURITIES COMPANY, A CORPORATION, IN DEED RECORDED SEPTEMBER 10, 1947 AS INSTRUMENT NO. 2910 IN BOOK 25075 PAGE 291, OFFICIAL RECORDS.

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EXHIBIT C

LEGAL DESCRIPTION OF OPTION LAND

ALSO, EXCEPTING THEREFROM, FROM THOSE PORTIONS OF THE ABOVE DESCRIBED LAND INCLUDED THEREIN; ALL MINERAL AND ALL MINERAL RIGHTS OF EVERY KIND AND CHARACTER NOW KNOWN TO EXIST OR HEREAFTER DISCOVERED, INCLUDING WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, ALL OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN AND UNDER, OR WHICH MAY BE PRODUCED FROM SAID LAND, TOGETHER WITH THE RIGHT TO USE THAT PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL WITH AND 500 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, DEVELOPING AND/OR EXTRACTING SAID OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES FROM SAID LAND BY MEANS OF WELLS DRILLED INTO SAID SUBSURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LANDS; AND ALSO EXCEPTING AND RESERVING UNTO GRANTORS, THEIR HEIRS, ADMINISTRATORS, EXECUTORS, SUCCESSORS OR ASSIGNS FOREVER, THE RIGHT TO DRILL WELLS AND BORE HOLES IN, UNDER AND THROUGH THAT PORTION ONLY OF SAID LAND WHICH UNDERLIES A PLANE PARALLEL WITH AND 500 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF EXPLORING FOR AND/OR PRODUCING OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES FROM OTHER LANDS BY MEANS OF WELLS OR BORE HOLES HAVING THEIR SURFACE LOCATIONS ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT GRANTORS, THEIR HEIRS, ADMINISTRATORS, EXECUTORS, SUCCESSORS AND ASSIGNS, SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF THE LAND HEREBY CONVEYED, OR TO USE THE LAND HEREBY CONVEYED OR ANY PORTION THEREOF TO SAID DEPTH OF 500 FEET FOR ANY PURPOSE WHATSOEVER; AS RESERVED BY HENRY F. ZASLOW AND MARILYN ZASLOW, HUSBAND AND WIFE, IN DEED RECORDED JUNE 4, 1958 AS INSTRUMENT NO. 3580, IN BOOK D-117 PAGE 387, OFFICIAL RECORDS.

ALSO, EXCEPT THEREFROM, FROM THOSE PORTIONS OF THE ABOVE DESCRIBED LAND INCLUDED THEREIN, ALL URANIUM, THORIUM, AND OTHER FISSIONABLE MATERIALS, ALL OIL, GAS, PETROLEUM, ASPHALTUM AND OTHER HYDROCARBON SUBSTANCES AND OTHER MINERALS AND MINERAL ORES OF EVERY KIND AND CHARACTER, WHETHER SIMILAR TO THESE HEREIN SPECIFIED OR NOT, WITHIN OR UNDERLYING, OR WHICH MAY BE PRODUCED FROM SAID LAND WHICH LIES BELOW A PLANE PARALLEL TO AND FIVE HUNDRED (500) FEET BELOW THE PRESENT SURFACE OF THAT CERTAIN REAL PROPERTY SITUATED IN THE CITY OF REDONDO BEACH, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA; IT IS EXPRESSLY UNDERSTOOD AND AGREED THAT ASSOCIATED SOUTHERN CALIFORNIA INVESTMENT COMPANY, ITS SUCCESSORS AND ASSIGNS, SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF SAID LAND, OR TO USE SAID LAND OR ANY PORTION THEREOF, TO SAID DEPTH OF FIVE HUNDRED (500) FEET, FOR ANY PURPOSES WHATSOEVER, AS PROVIDED IN DEED RECORDED DECEMBER 12, 1975 AS INSTRUMENT NO. 3650, OFFICIAL RECORDS.

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EXHIBIT D

DESCRIPTION OF SCE IMPROVEMENTS

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.

EXHIBIT E

BENEFITTED PROPERTY

The property described below shall constitute the "Benefitted Property" for the purposes of this Grant Deed, provided that any such property may cease being part of the Benefitted Property at such time as fee title to such property ceases to be owned by SCE, subject to the provisions of Section 10 of this Grant Deed.

The land referred to herein is situated in the County of Los Angeles, State of California and is described as follows:

Parcel 1

All that portion of Lot 1 of Tract No. 2341, as per map recorded in Book 23, page 61, of Maps, records of said County of Los Angeles, lying Northerly of a line described as follows:

Beginning at a point in the Northeasterly boundary line of said Lot 1, which point is South 14° 38' 41" East, 307.90 feet, measured along said Northeasterly boundary line, from the most Northerly corner of said Lot 1, said Northerly corner being also the most Westerly corner of Lot "B" of Tract No. 1786, as per map recorded in Book 22, page 63, of Maps, records of said County of Los Angeles; thence from said point of beginning, South 57° 03' 55" West, 431.59 feet, more or less, to the Southerly terminus of that certain curve in the Westerly boundary line of said Lot 1, which is shown on said map of Tract No. 2341, as having a radius of 1502.69 feet and a length of 393.27 feet.

Parcel 2

All that portion of Lot "B" of Tract No. 1786, as per map recorded in Book 22, page 63, of Maps, records of said County of Los Angeles, lying Northerly of a line described as follows:

Beginning at a point in the Westerly boundary line of said Lot "B", which point is South 14° 38' 41" East, 307.90 feet, measured along said Westerly boundary line, from the most Westerly corner of said Lot "B"; thence from said point of beginning North 57° 03' 55" East, 298.07 feet to a point; thence North 85° 38' 46" East, 97.71 feet, more or less, to a point in the Easterly boundary line of said Lot "B", which point is South 9° 05' 29" West, 74.17 feet, measured along said Easterly boundary line, from the Northerly terminus of that certain course in said boundary line which

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is shown on said Map of Tract No. 1786, as having a bearing of North 8° 48' East and a length of 414.31 feet.

Parcel 3

That portion of Lot B, Tract No. 1786, as per map filed in Book 22, page 63, of Maps, in the office of the County Recorder of said County, together with that portion of Lot 1, Tract No. 2341, as per map filed in Book 23, page 61, of said Maps, in the office of the County Recorder of said County, described as a whole as follows:

Beginning at the intersection of a line parallel with and 35 feet Northeasterly, measured at right angles, from the Northeasterly line of Lot 23, Block 75, Townsite of Redondo Beach, as per map recorded in Book 39, pages 1 to 17 inclusive, of Miscellaneous Records, in the office of the County Recorder of said County, with a line parallel with and 50 feet Northwesterly, measured at right angles, from the Northwesterly line of said last mentioned lot; thence, along said last mentioned parallel line, North 68° 27' 12" East, 278.72 feet; thence, South 21° 32' 48" East, 189.64 feet; thence, South 68° 37' 55" West to the Westerly line of said Lot 1, said Westerly line also being the Easterly line of Francisca Avenue 40 feet wide as shown on the map of said Tract 2341; thence, Southerly along said Westerly line of said Lot 1 to a point in a line parallel with and 75 feet Southeasterly, measured at right angles, from the course hereinbefore described as having a bearing of South 68° 37' 55" West, said point being the TRUE POINT OF BEGINNING of this description; thence along said last mentioned parallel line, North 68° 37' 55" East, 601.86 feet to a point in the Southeasterly line of that certain parcel of land described in deed to County of Los Angeles, recorded as Document No. 2316, on May 26, 1950, in Book 33243, page 166, of Official Records, in the office of the County Recorder of said County; thence, along said Southeasterly line North 57° 03' 55" East, 126.73 feet to a point in the Easterly line of said Lot B, said point also being the Southeasterly corner of said last mentioned parcel of land described in deed to County of Los Angeles; thence, along said Easterly line of Lot B, North 09° 05' 55" East, 175 feet to the Southeasterly corner of that certain parcel of land described as Parcel 2 in deed to Southern California Edison Company, recorded as Document No. 2568, on January 2, 1948, in book 26107, page 23, of Official Records, in the office of the County Recorder of said County; thence, along the Southerly line of said Parcel 2, South 85° 38' 46" West, 97.92 feet (recited as "N 85° 38' 46" E, 97.71 feet" in Parcel 2 of said Deed to Southern California Edison Company); thence, along the Southerly line of Parcels 2 and 1 of said Deed to Southern California Edison Company, South 57° 03' 55" West, 724.39 feet (recited as "N 57° 03' 55" E, 293.07 feet" in Parcel 2 of said Deed to Southern California

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Edison and as "S 57° 03' 55" W, 431.59 feet," in Parcel 1 of said Deed to Southern California Edison) to the Westerly line of said Lot 1; thence, Southerly along said Westerly line 60.74 feet to the TRUE POINT OF BEGINNING.

EXCEPTING AND RESERVING unto the Grantor herein, its successors and assigns, all uranium, thorium and other fissionable materials, all oil, gas, petroleum, asphaltum, and other hydrocarbon substances and other minerals and mineral ores of every kind and character, whether similar to these herein specified or not, within or underlying, or which may be produced from the hereinbefore described land, together with the right to use that portion only of said land which underlies a plane parallel to and five hundred (500) feet below the present surface of said land, for the purpose of prospecting for, developing and/or extracting said uranium, thorium, and other fissionable materials, oil, gas, petroleum, asphaltum, and other mineral or hydrocarbon substances from said land, it being expressly understood and agreed that said Grantor herein, its successors and assigns, shall have no right to enter upon the surface of said land, or to use said land or any portion thereof to said depth of five hundred (500) feet, for any purposes whatsoever.

Parcel 4

All other property owned by SCE in the County of Los Angeles, California, as of the date of recordation of this Grant Deed.

SCE shall have the right by duly recorded amendment to this Grant Deed executed only by SCE unilaterally to provide further descriptions and/or depictions of all or portions of the Benefitted Property described above.

APPENDIX D
EDR PROPERTY TAX MAP REPORT

AES Redondo Plant

1100 North Harbor Drive
Redondo Beach, CA 90277

Inquiry Number: 3199395.8
November 02, 2011

The EDR Property Tax Map Report

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

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

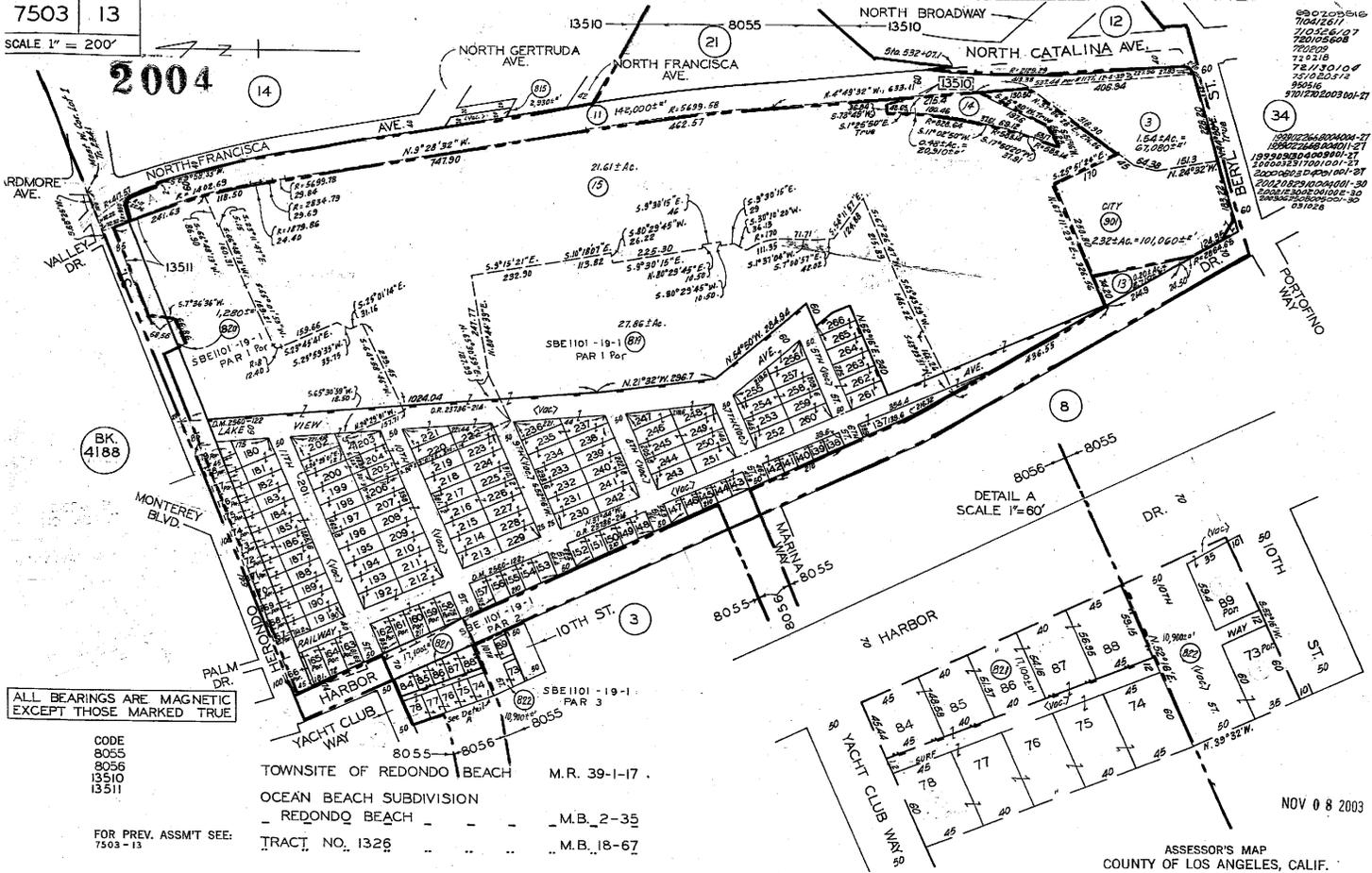
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SCALE 1" = 200'



ALL BEARINGS ARE MAGNETIC EXCEPT THOSE MARKED TRUE

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- 8056
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- 13511

FOR PREV. ASSMT SEE:
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TOWNSHIP OF REDONDO BEACH M.R. 39-1-17
OCEAN BEACH SUBDIVISION
REDONDO BEACH M.B. 2-35
TRACT NO. 1326 M.B. 18-67

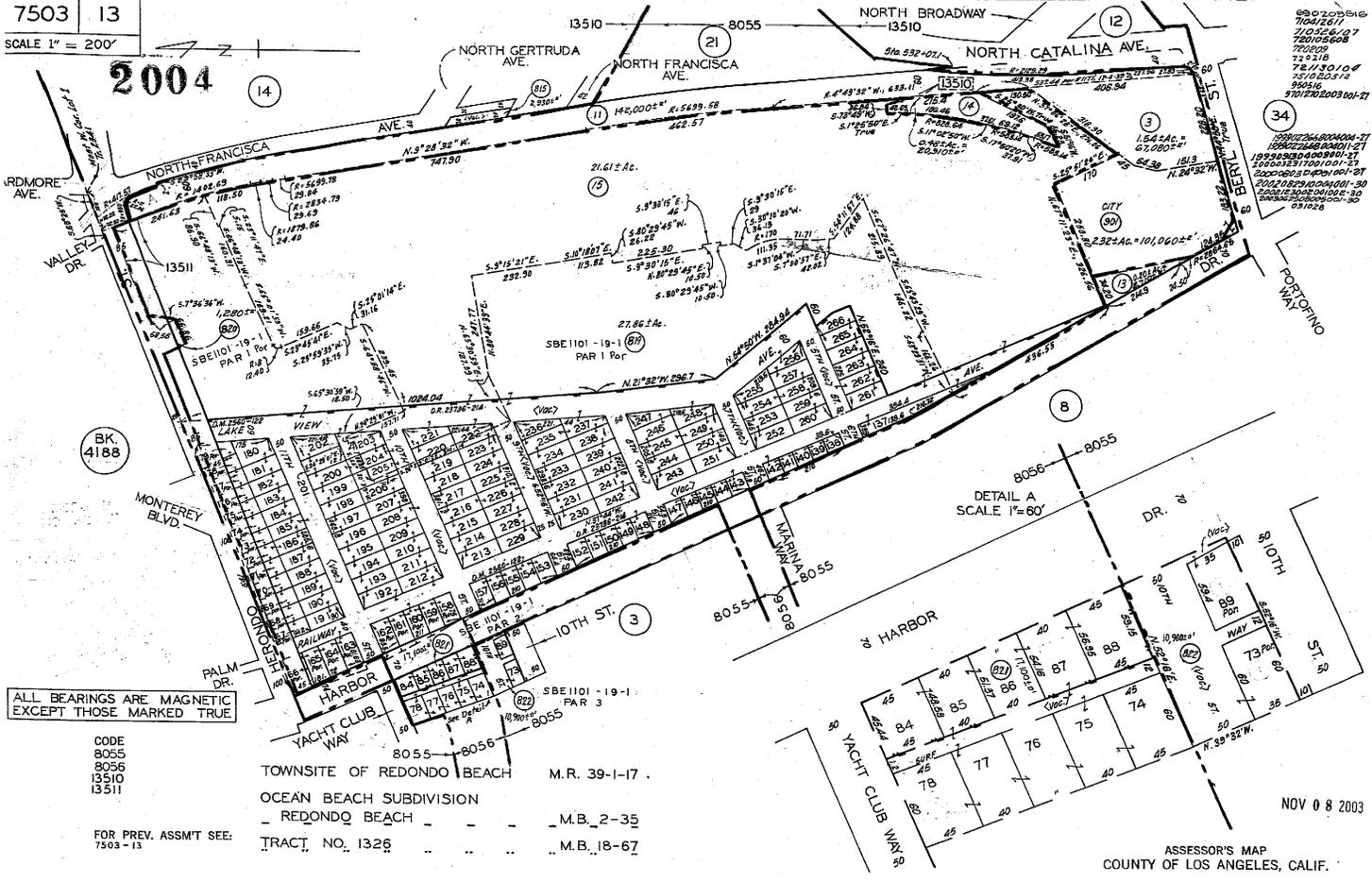
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ASSESSOR'S MAP
COUNTY OF LOS ANGELES, CALIF.

7503 13
SCALE 1" = 200'



ALL BEARINGS ARE MAGNETIC EXCEPT THOSE MARKED TRUE

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- 8056
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FOR PREV. ASSMT SEE:
7503 - 13

TOWNSHIP OF REDONDO BEACH M.R. 39-1-17
OCEAN BEACH SUBDIVISION
REDONDO BEACH M.B. 2-35
TRACT NO. 1326 M.B. 18-67

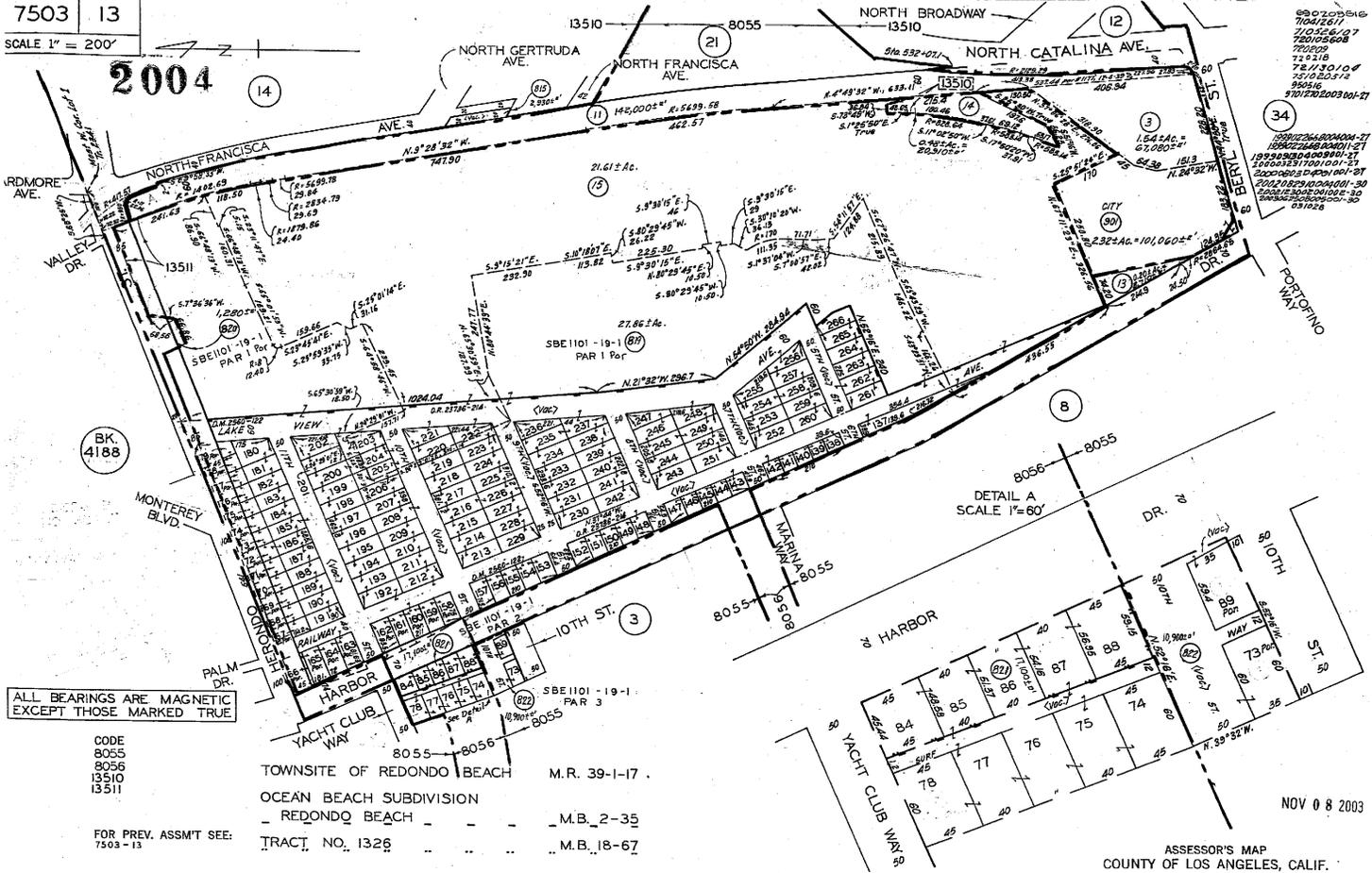
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NOV 08 2003

ASSESSOR'S MAP
COUNTY OF LOS ANGELES, CALIF.

7503 13
SCALE 1" = 200'



ALL BEARINGS ARE MAGNETIC EXCEPT THOSE MARKED TRUE

- CODE
- 8055
- 8056
- 13510
- 13511

FOR PREV. ASSMT SEE:
7503 - 13

TOWNSHIP OF REDONDO BEACH M.R. 39-1-17
OCEAN BEACH SUBDIVISION
REDONDO BEACH M.B. 2-35
TRACT NO. 1326 M.B. 18-67

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NOV 08 2003

ASSESSOR'S MAP
COUNTY OF LOS ANGELES, CALIF.

APPENDIX E
CERTIFIED SANBORN[®] MAP REPORT



AES Redondo Plant

1100 North Harbor Drive
Redondo Beach, CA 90277

Inquiry Number: 3199395.3
November 02, 2011

Certified Sanborn® Map Report

Certified Sanborn® Map Report

11/02/11

Site Name:

AES Redondo Plant
1100 North Harbor Drive
Redondo Beach, CA 90277

Client Name:

Env. Management Strategies
16510 Aston Street
Irvine, CA 92606-0000



EDR Inquiry # 3199395.3

Contact: Mark Jirgal

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Env. Management Strategies were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: AES Redondo Plant
Address: 1100 North Harbor Drive
City, State, Zip: Redondo Beach, CA 90277
Cross Street:
P.O. # EMS514
Project: AES Redondo Plant
Certification # 082D-40D5-BE43



Sanborn® Library search results
Certification # 082D-40D5-BE43

Maps Provided:

1959
1946
1916
1912
1908
1904

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Thumbnails

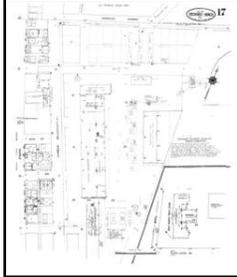
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1959 Source Sheets



Volume 1, Sheet 16



Volume 1, Sheet 17



Volume 1, Sheet 18

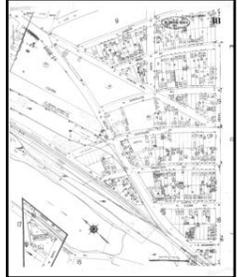
1946 Source Sheets



Volume 1, Sheet 16



Volume 1, Sheet 17

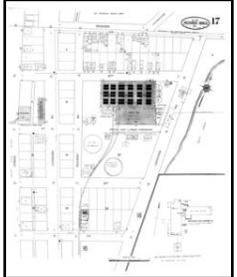


Volume 1, Sheet 18

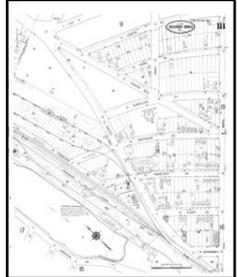
1916 Source Sheets



Volume 1, Sheet 16

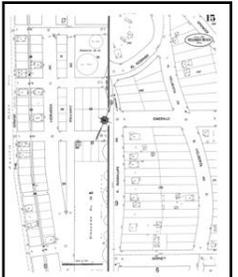


Volume 1, Sheet 17

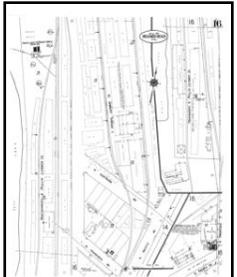


Volume 1, Sheet 18

1912 Source Sheets



Volume 1, Sheet 15



Volume 1, Sheet 16



Volume 1, Sheet 17

1908 Source Sheets



Volume 1, Sheet 2



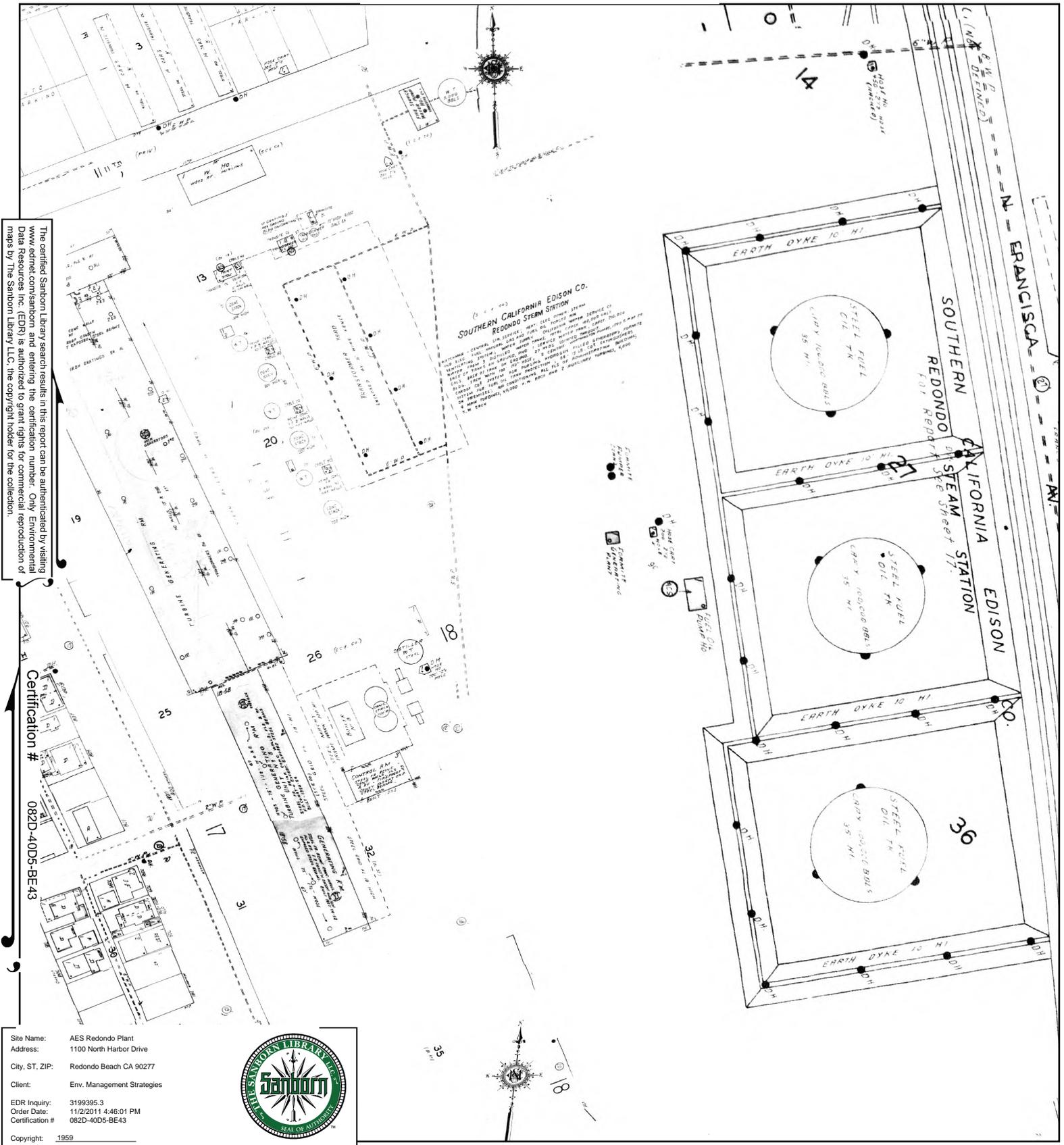
Volume 1, Sheet 14

1904 Source Sheets



Volume 1, Sheet 2

1959 Certified Sanborn Map



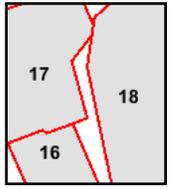
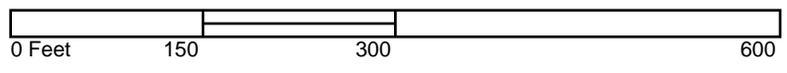
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Certification # 082D-40D5-BE43

Site Name: AES Redondo Plant
 Address: 1100 North Harbor Drive
 City, ST, ZIP: Redondo Beach CA 90277
 Client: Env. Management Strategies
 EDR Inquiry: 3199395.3
 Order Date: 11/2/2011 4:46:01 PM
 Certification #: 082D-40D5-BE43
 Copyright: 1959



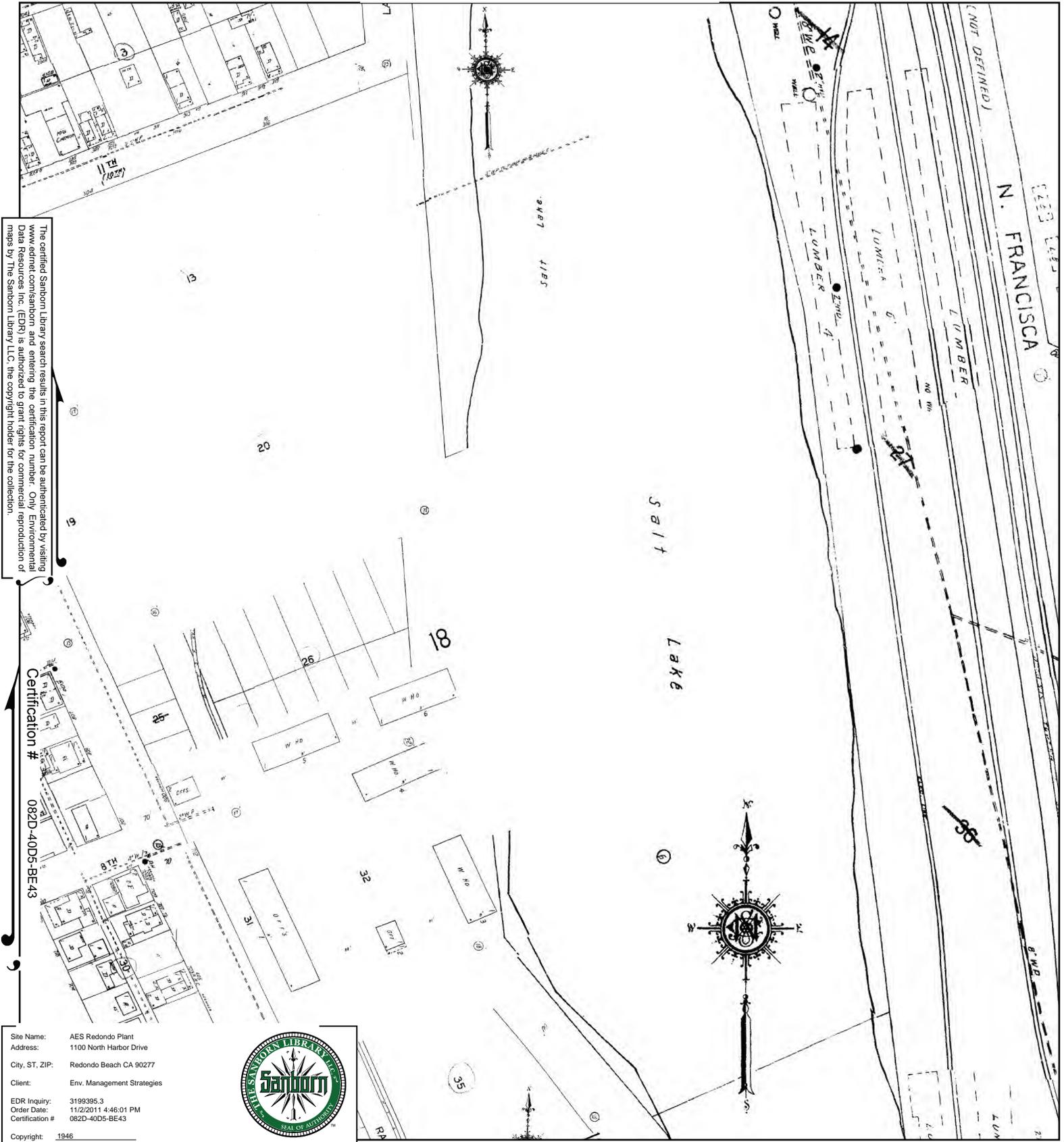
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Volume 1, Sheet 16
 Volume 1, Sheet 17
 Volume 1, Sheet 18



1946 Certified Sanborn Map



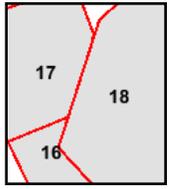
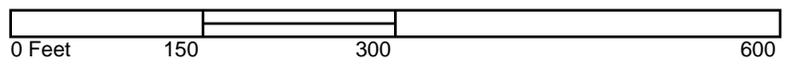
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Certification # 082D-40D5-BE43

Site Name: AES Redondo Plant
 Address: 1100 North Harbor Drive
 City, ST, ZIP: Redondo Beach CA 90277
 Client: Env. Management Strategies
 EDR Inquiry: 3199395.3
 Order Date: 11/2/2011 4:46:01 PM
 Certification #: 082D-40D5-BE43
 Copyright: 1946



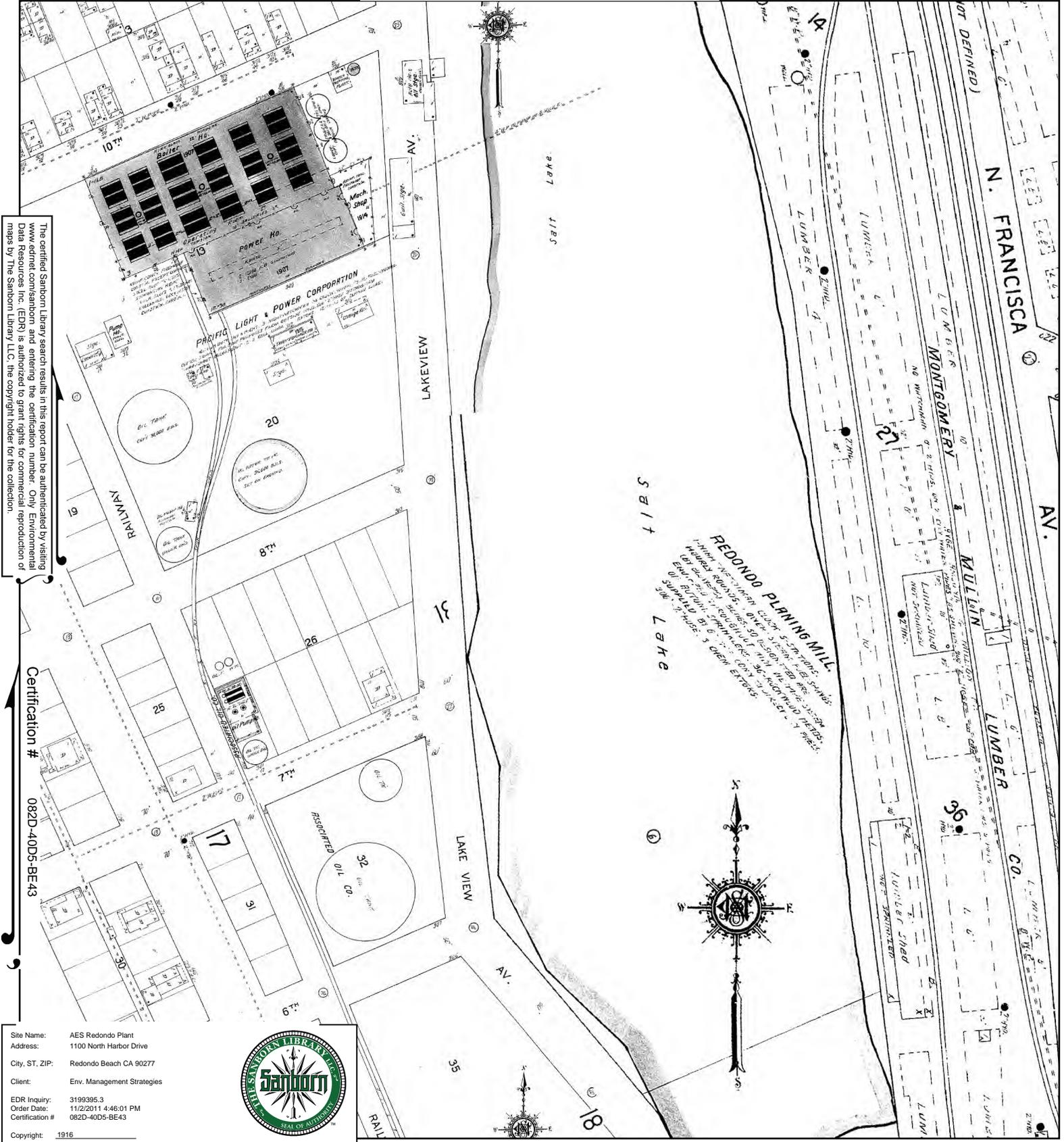
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- Volume 1, Sheet 16
- Volume 1, Sheet 17
- Volume 1, Sheet 18



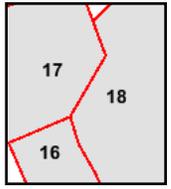
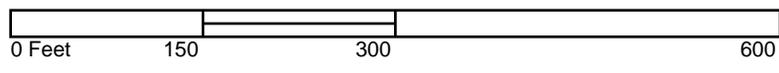
1916 Certified Sanborn Map



Site Name: AES Redondo Plant
 Address: 1100 North Harbor Drive
 City, ST, ZIP: Redondo Beach CA 90277
 Client: Env. Management Strategies
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 Order Date: 11/2/2011 4:46:01 PM
 Certification #: 082D-40D5-BE43
 Copyright: 1916



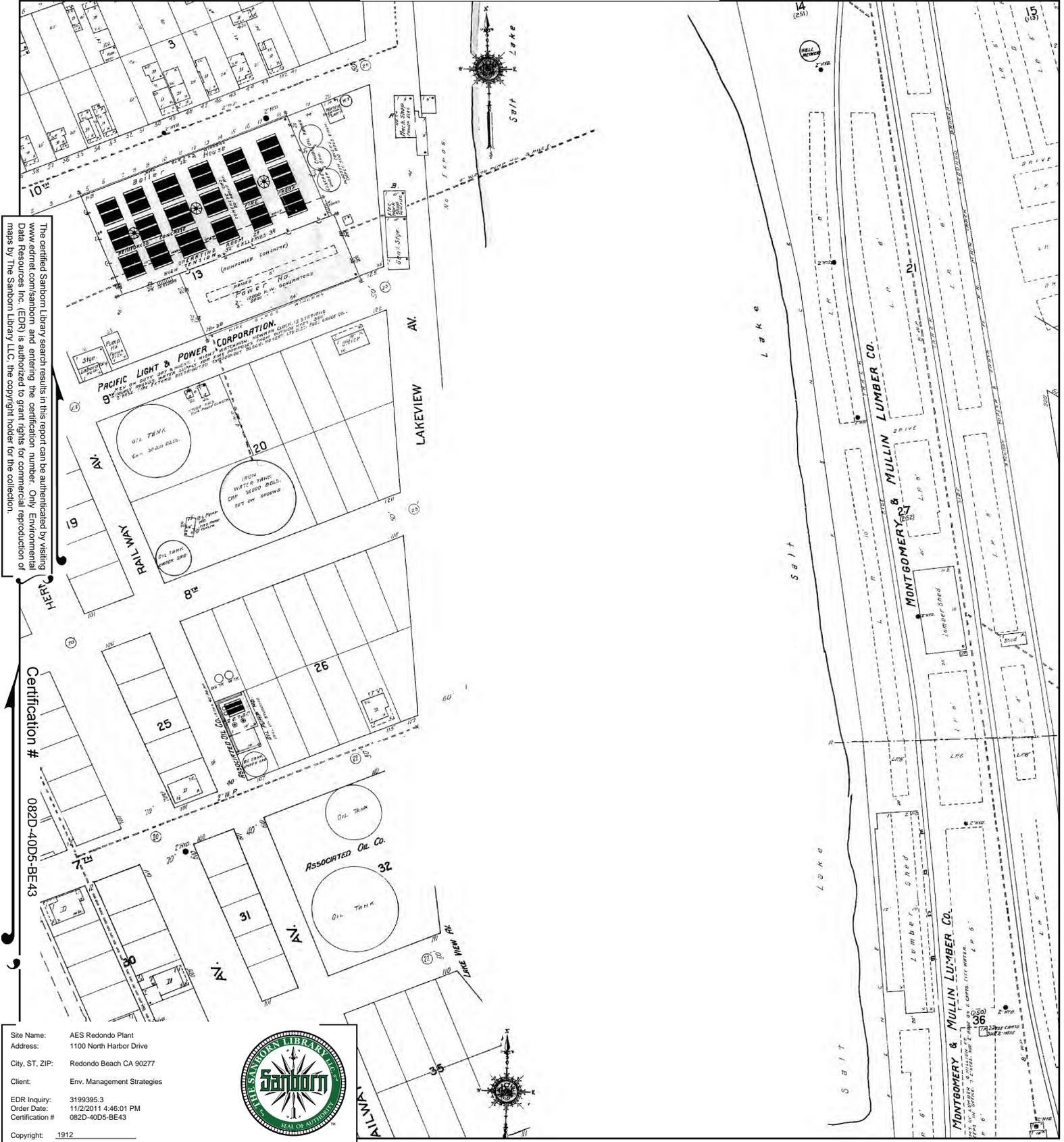
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 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 16
 Volume 1, Sheet 17
 Volume 1, Sheet 18



1912 Certified Sanborn Map



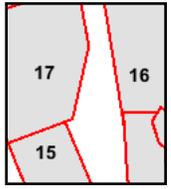
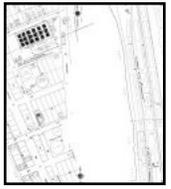
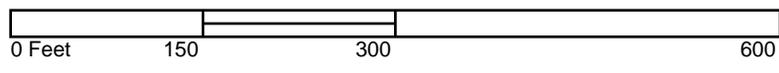
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Certification # 082D-40D5-BE43

Site Name: AES Redondo Plant
 Address: 1100 North Harbor Drive
 City, ST, ZIP: Redondo Beach CA 90277
 Client: Env. Management Strategies
 EDR Inquiry: 3199395.3
 Order Date: 11/2/2011 4:46:01 PM
 Certification #: 082D-40D5-BE43
 Copyright: 1912



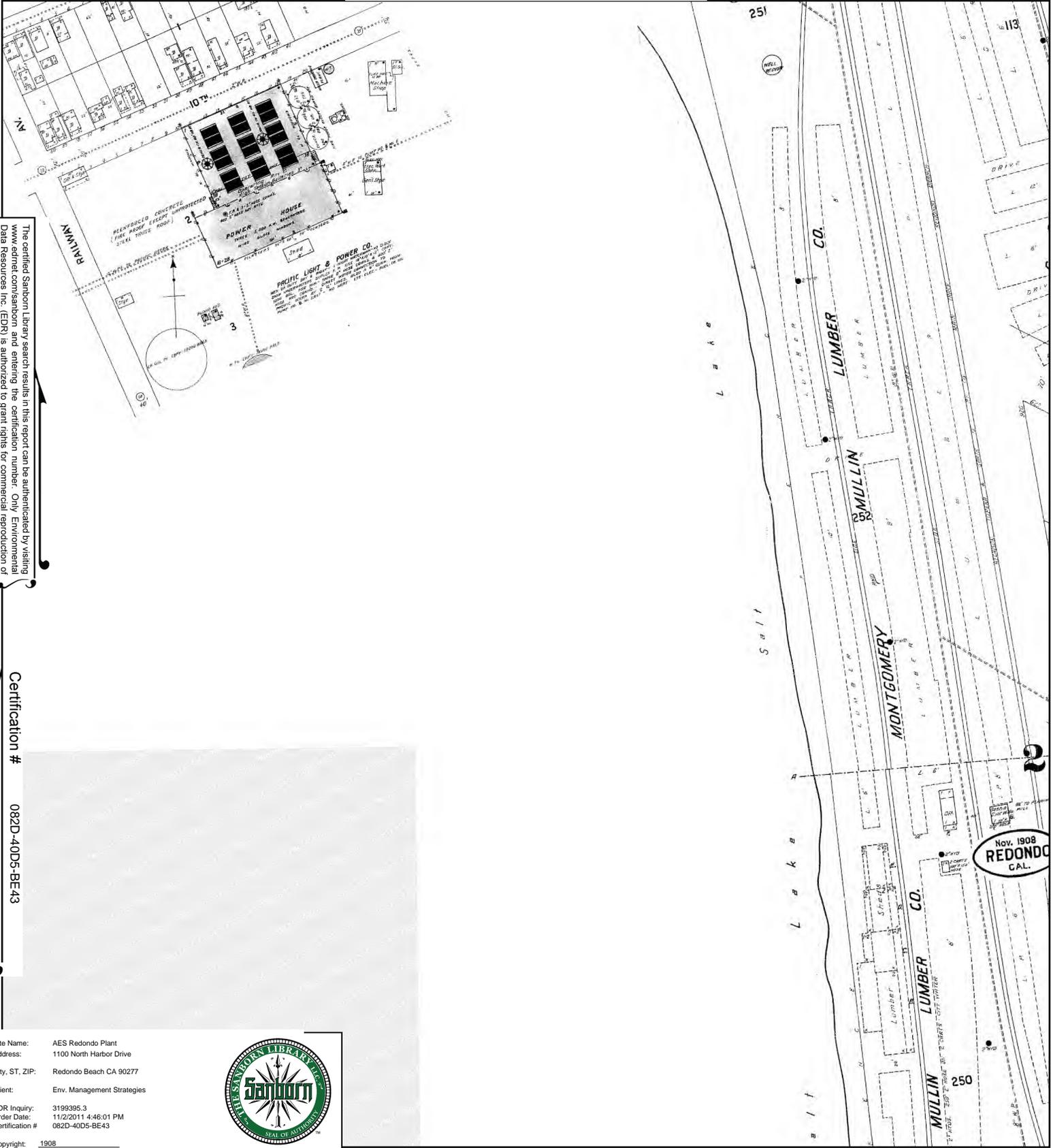
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Volume 1, Sheet 15
 Volume 1, Sheet 16
 Volume 1, Sheet 17



1908 Certified Sanborn Map



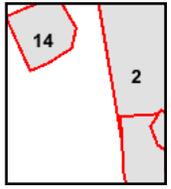
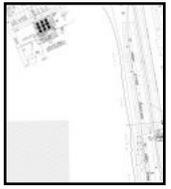
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Certification # 082D-40D5-BE43

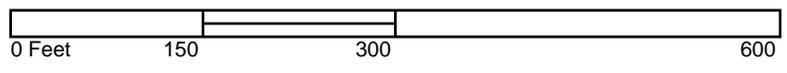
Site Name:	AES Redondo Plant
Address:	1100 North Harbor Drive
City, ST, ZIP:	Redondo Beach CA 90277
Client:	Env. Management Strategies
EDR Inquiry:	3199395.3
Order Date:	11/2/2011 4:46:01 PM
Certification #	082D-40D5-BE43
Copyright:	1908



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Volume 1, Sheet 2
Volume 1, Sheet 14



1904 Certified Sanborn Map



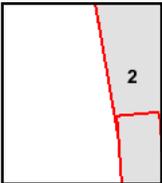
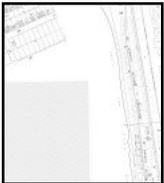
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Certification # 082D-40D5-BE43

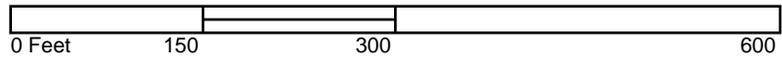
Site Name: AES Redondo Plant
 Address: 1100 North Harbor Drive
 City, ST, ZIP: Redondo Beach CA 90277
 Client: Env. Management Strategies
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 Order Date: 11/2/2011 4:46:01 PM
 Certification #: 082D-40D5-BE43



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 2



APPENDIX F
EDR HISTORICAL TOPOGRAPHIC MAP REPORT



AES Redondo Plant

1100 North Harbor Drive
Redondo Beach, CA 90277

Inquiry Number: 3199395.4
November 02, 2011

EDR Historical Topographic Map Report

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.
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with any questions or comments.

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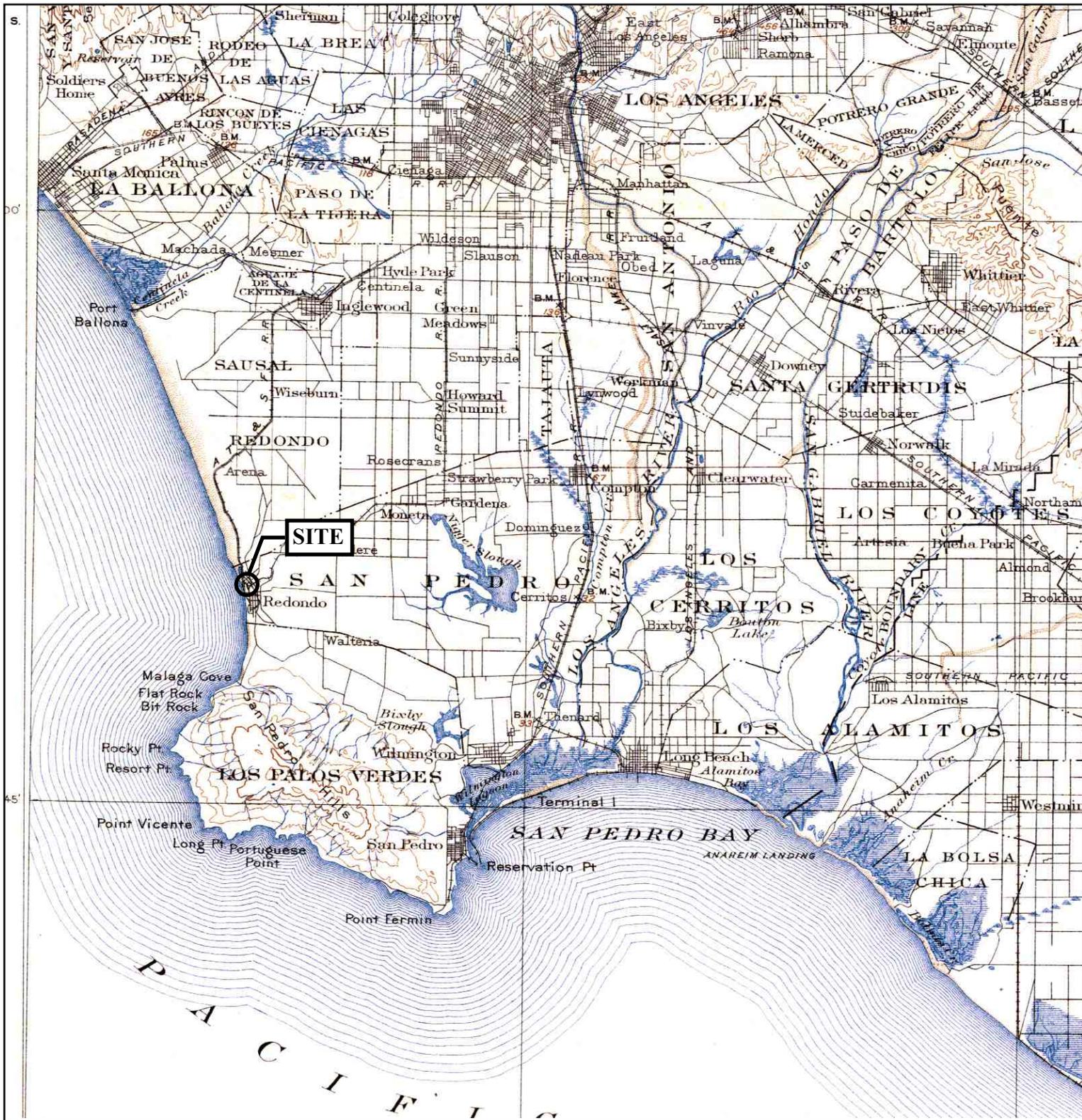
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Historical Topographic Map



	TARGET QUAD	SITE NAME: AES Redondo Plant	CLIENT: Env. Management Strategies
	NAME: REDONDO	ADDRESS: 1100 North Harbor Drive	CONTACT: Mark Jirgal
	MAP YEAR: 1896	LAT/LONG: 33.8509 / -118.3945	INQUIRY#: 3199395.4
	SERIES: 15		RESEARCH DATE: 11/02/2011
	SCALE: 1:62500		

Historical Topographic Map



<p>N</p>	<p>TARGET QUAD</p> <p>NAME: SOUTHERN CA SHEET 1</p> <p>MAP YEAR: 1901</p>	<p>SITE NAME: AES Redondo Plant</p> <p>ADDRESS: 1100 North Harbor Drive Redondo Beach, CA 90277</p> <p>LAT/LONG: 33.8509 / -118.3945</p>	<p>CLIENT: Env. Management Strategies</p> <p>CONTACT: Mark Jirgal</p> <p>INQUIRY#: 3199395.4</p> <p>RESEARCH DATE: 11/02/2011</p>
	<p>SERIES: 60</p> <p>SCALE: 1:250000</p>		

Historical Topographic Map



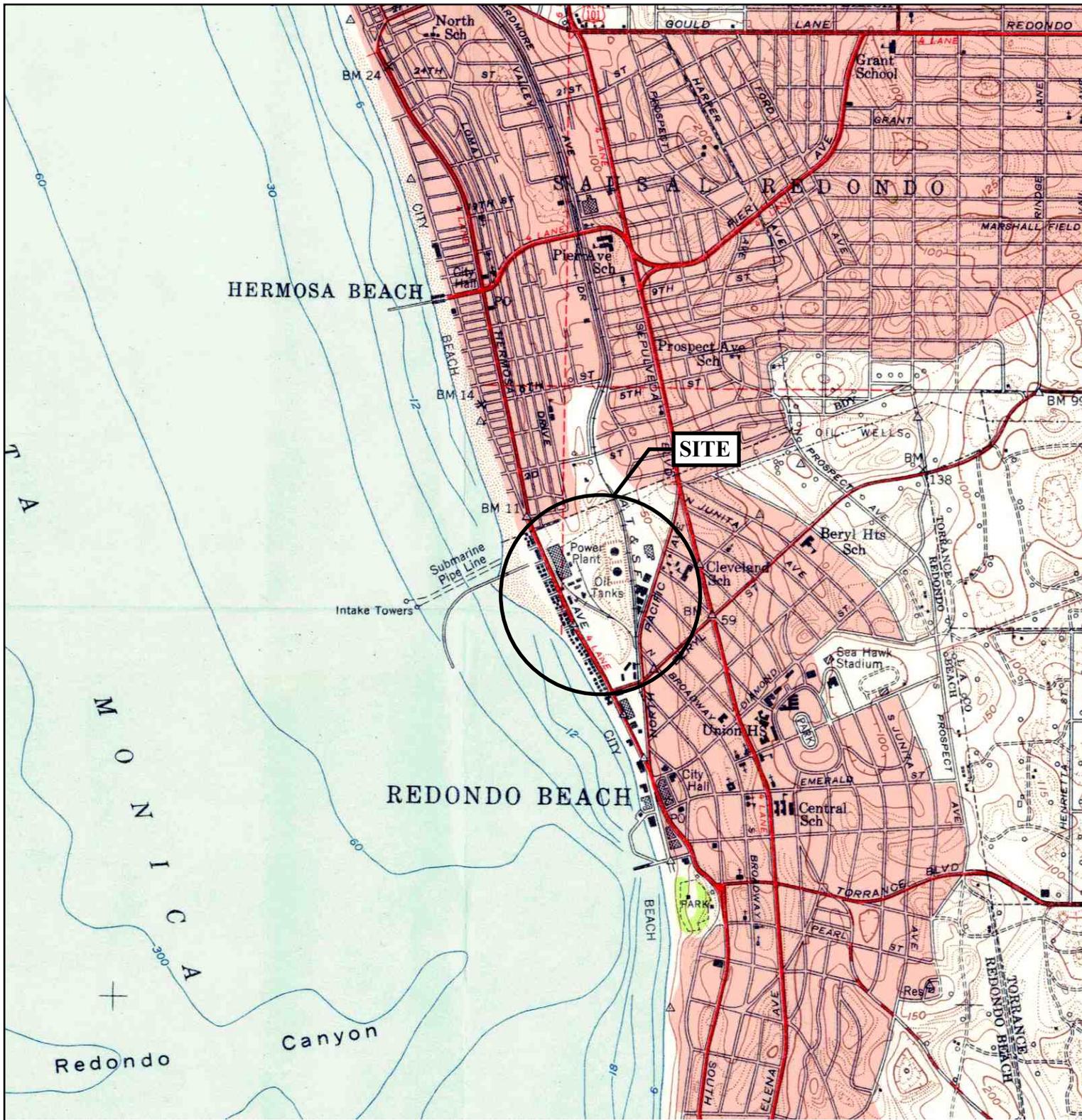
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	NAME: TORRANCE	ADDRESS: 1100 North Harbor Drive	CONTACT: Mark Jirgal
	MAP YEAR: 1924	Redondo Beach, CA 90277	INQUIRY#: 3199395.4
	SERIES: 6	LAT/LONG: 33.8509 / -118.3945	RESEARCH DATE: 11/02/2011
	SCALE: 1:24000		

Historical Topographic Map



	TARGET QUAD NAME: REDONDO MAP YEAR: 1948	SITE NAME: AES Redondo Plant ADDRESS: 1100 North Harbor Drive Redondo Beach, CA 90277 LAT/LONG: 33.8509 / -118.3945	CLIENT: Env. Management Strategies CONTACT: Mark Jirgal INQUIRY#: 3199395.4 RESEARCH DATE: 11/02/2011
	SERIES: 15 SCALE: 1:50000		

Historical Topographic Map



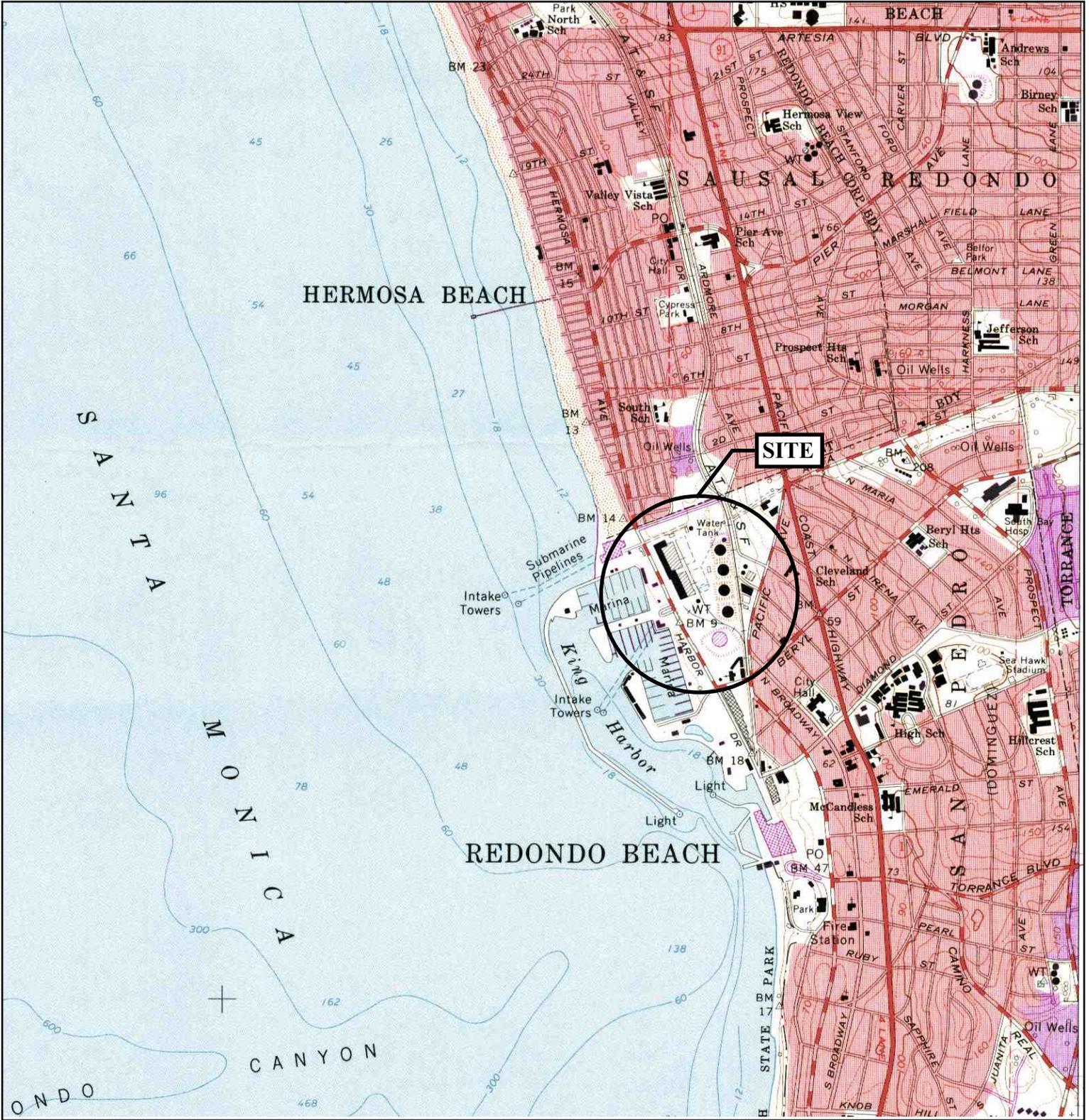
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	NAME: LONGBEACH VICINITY	ADDRESS: 1100 North Harbor Drive	CONTACT: Mark Jirgal
	MAP YEAR: 1951	LAT/LONG: 33.8509 / -118.3945	INQUIRY#: 3199395.4
	SERIES: 7.5		RESEARCH DATE: 11/02/2011
	SCALE: 1:24000		

Historical Topographic Map



	TARGET QUAD NAME: REDONDO BEACH MAP YEAR: 1963	SITE NAME: AES Redondo Plant ADDRESS: 1100 North Harbor Drive Redondo Beach, CA 90277 LAT/LONG: 33.8509 / -118.3945	CLIENT: Env. Management Strategies CONTACT: Mark Jirgal INQUIRY#: 3199395.4 RESEARCH DATE: 11/02/2011
	SERIES: 7.5 SCALE: 1:24000		

Historical Topographic Map



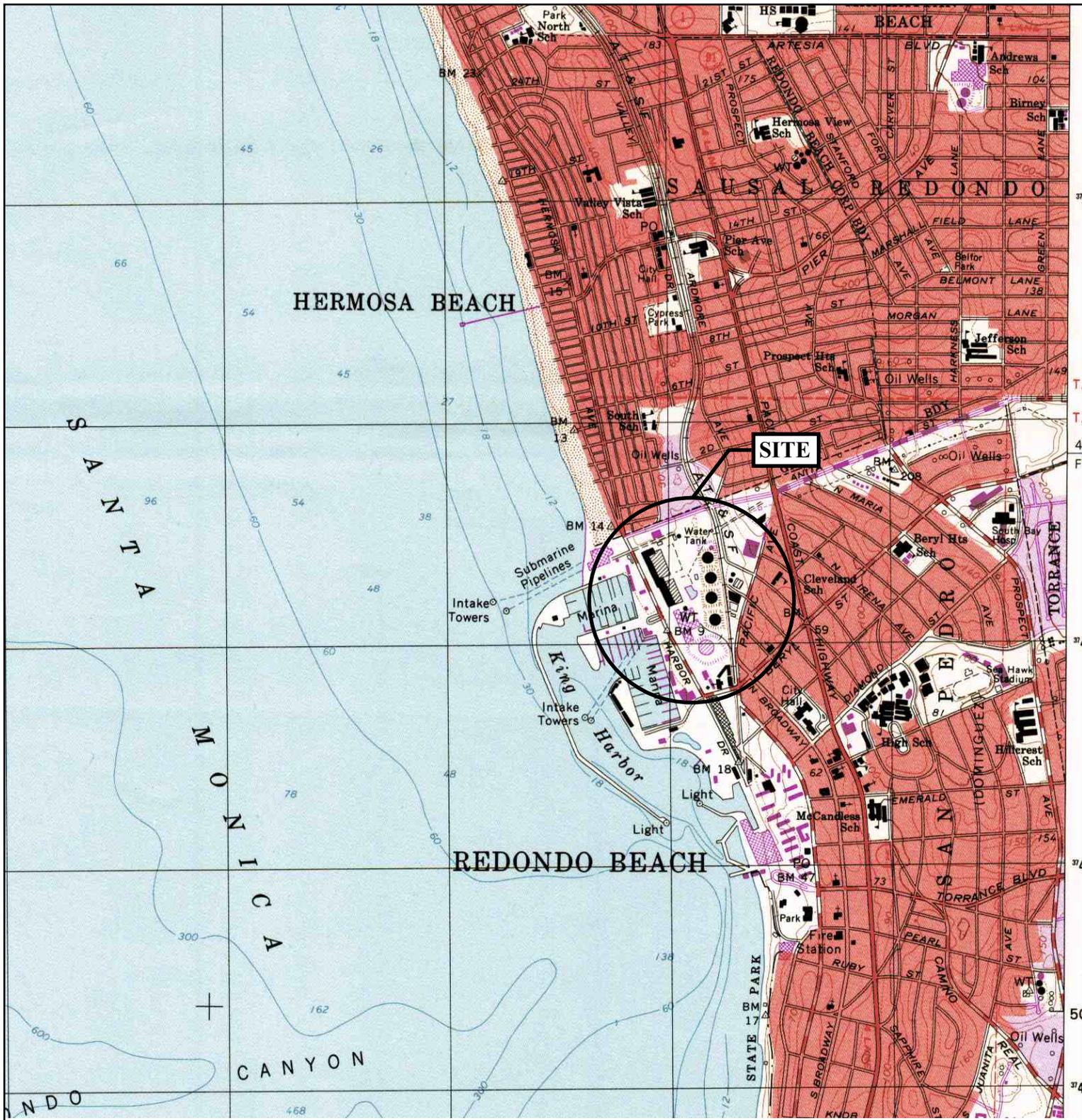
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	NAME: REDONDO BEACH	ADDRESS: 1100 North Harbor Drive	CONTACT: Mark Jirgal
	MAP YEAR: 1972	Redondo Beach, CA 90277	INQUIRY#: 3199395.4
	PHOTOREVISED: 1963	LAT/LONG: 33.8509 / -118.3945	RESEARCH DATE: 11/02/2011
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



	TARGET QUAD	SITE NAME: AES Redondo Plant	CLIENT: Env. Management Strategies
	NAME: REDONDO BEACH	ADDRESS: 1100 North Harbor Drive	CONTACT: Mark Jirgal
	MAP YEAR: 1981	ADDRESS: Redondo Beach, CA 90277	INQUIRY#: 3199395.4
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	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



	TARGET QUAD NAME: REDONDO BEACH MAP YEAR: 1996	SITE NAME: AES Redondo Plant ADDRESS: 1100 North Harbor Drive Redondo Beach, CA 90277 LAT/LONG: 33.8509 / -118.3945	CLIENT: Env. Management Strategies CONTACT: Mark Jirgal INQUIRY#: 3199395.4 RESEARCH DATE: 11/02/2011
	SERIES: 7.5 SCALE: 1:24000		

APPENDIX G

EDR AERIAL PHOTO DECADE PACKAGE



AES Redondo Plant

1100 North Harbor Drive
Redondo Beach, CA 90277

Inquiry Number: 3199395.5

November 03, 2011

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

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with any questions or comments.

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Date EDR Searched Historical Sources:

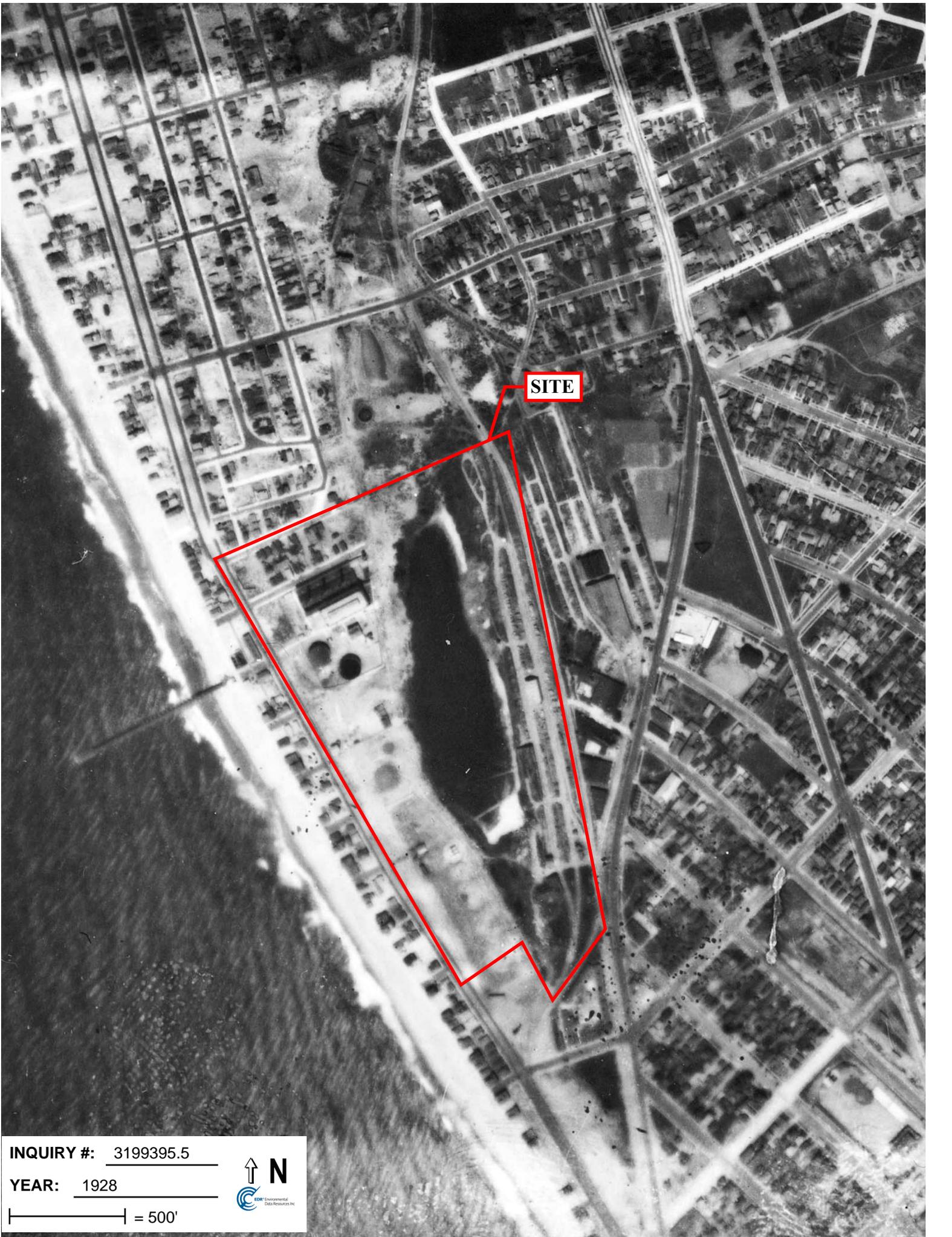
Aerial Photography November 03, 2011

Target Property:

1100 North Harbor Drive

Redondo Beach, CA 90277

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1928	Aerial Photograph. Scale: 1"=500'	Flight Year: 1928	Fairchild
1938	Aerial Photograph. Scale: 1"=555'	Flight Year: 1938	Laval
1947	Aerial Photograph. Scale: 1"=666'	Flight Year: 1947	Fairchild
1956	Aerial Photograph. Scale: 1"=400'	Flight Year: 1956	Fairchild
1965	Aerial Photograph. Scale: 1"=666'	Flight Year: 1965	Fairchild
1976	Aerial Photograph. Scale: 1"=666'	Flight Year: 1976	Teledyne
1989	Aerial Photograph. Scale: 1"=666'	Flight Year: 1989	USGS
1994	Aerial Photograph. Scale: 1"=500'	/Composite DOQQ - acquisition dates: 1994	EDR
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR



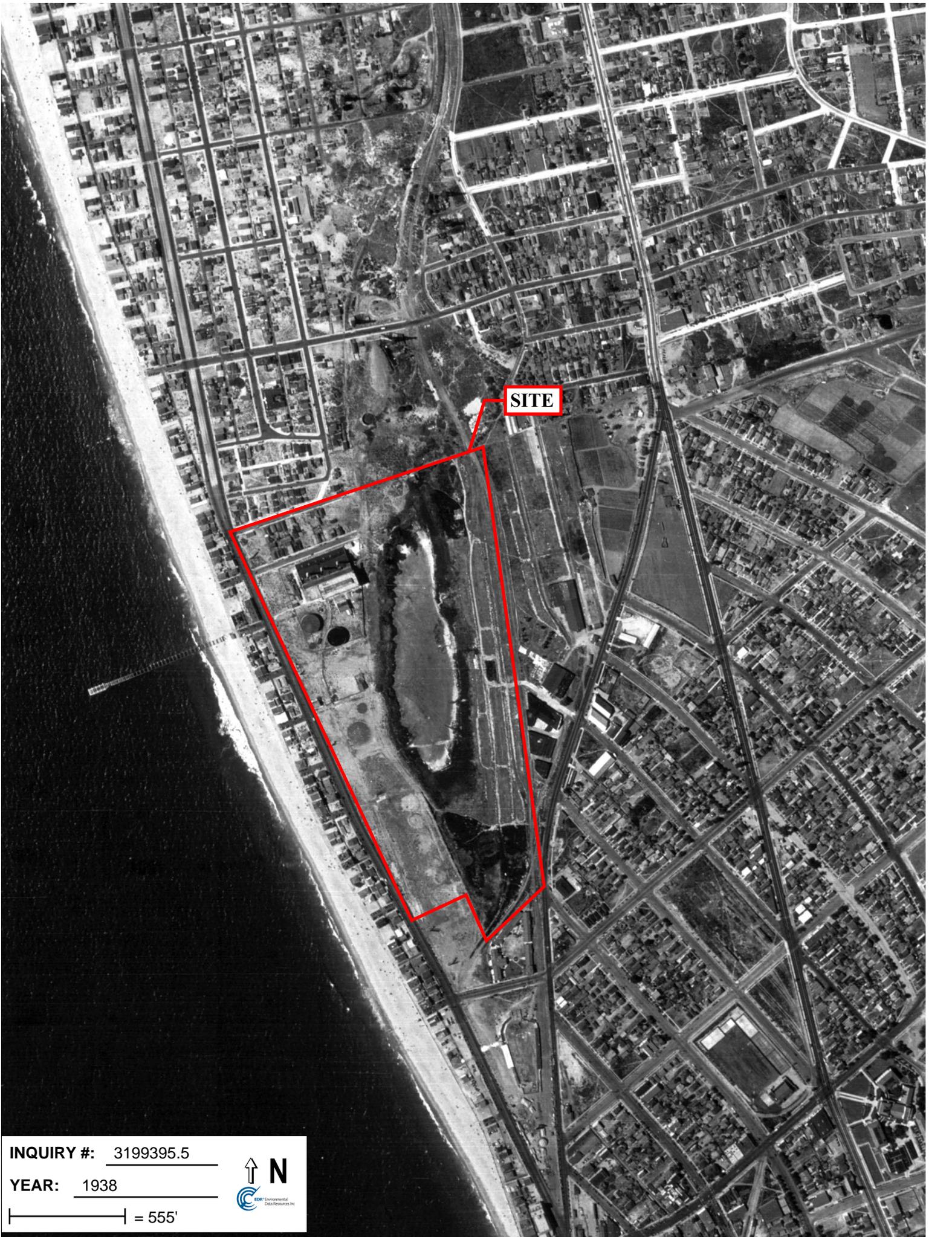
SITE

INQUIRY #: 3199395.5

YEAR: 1928

| = 500'





SITE

INQUIRY #: 3199395.5

YEAR: 1938

| = 555'





SITE

INQUIRY #: 3199395.5

YEAR: 1947

| = 666'



ES&S Environmental Data Resources Inc.



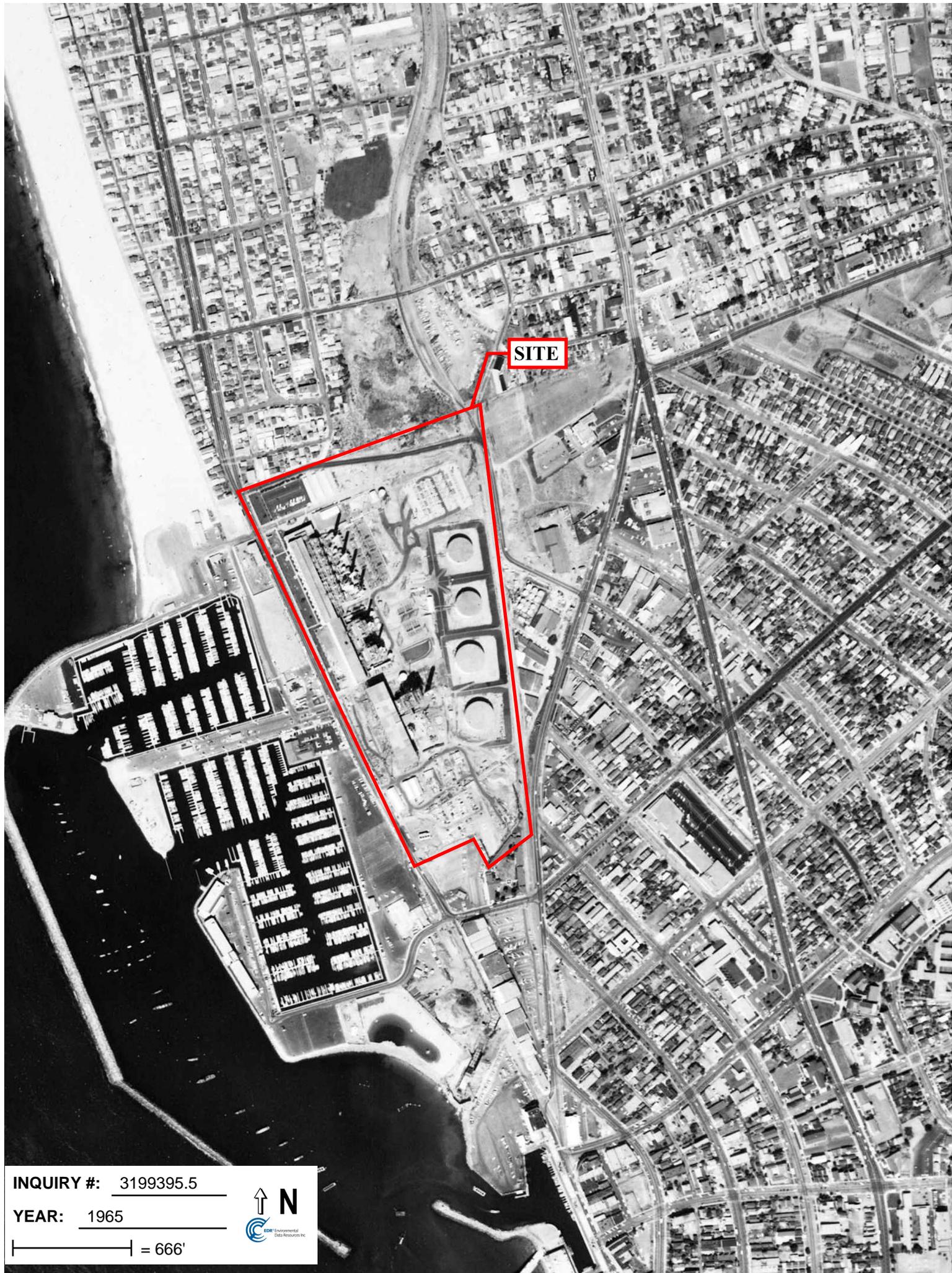
SITE

INQUIRY #: 3199395.5

YEAR: 1956

| = 400'





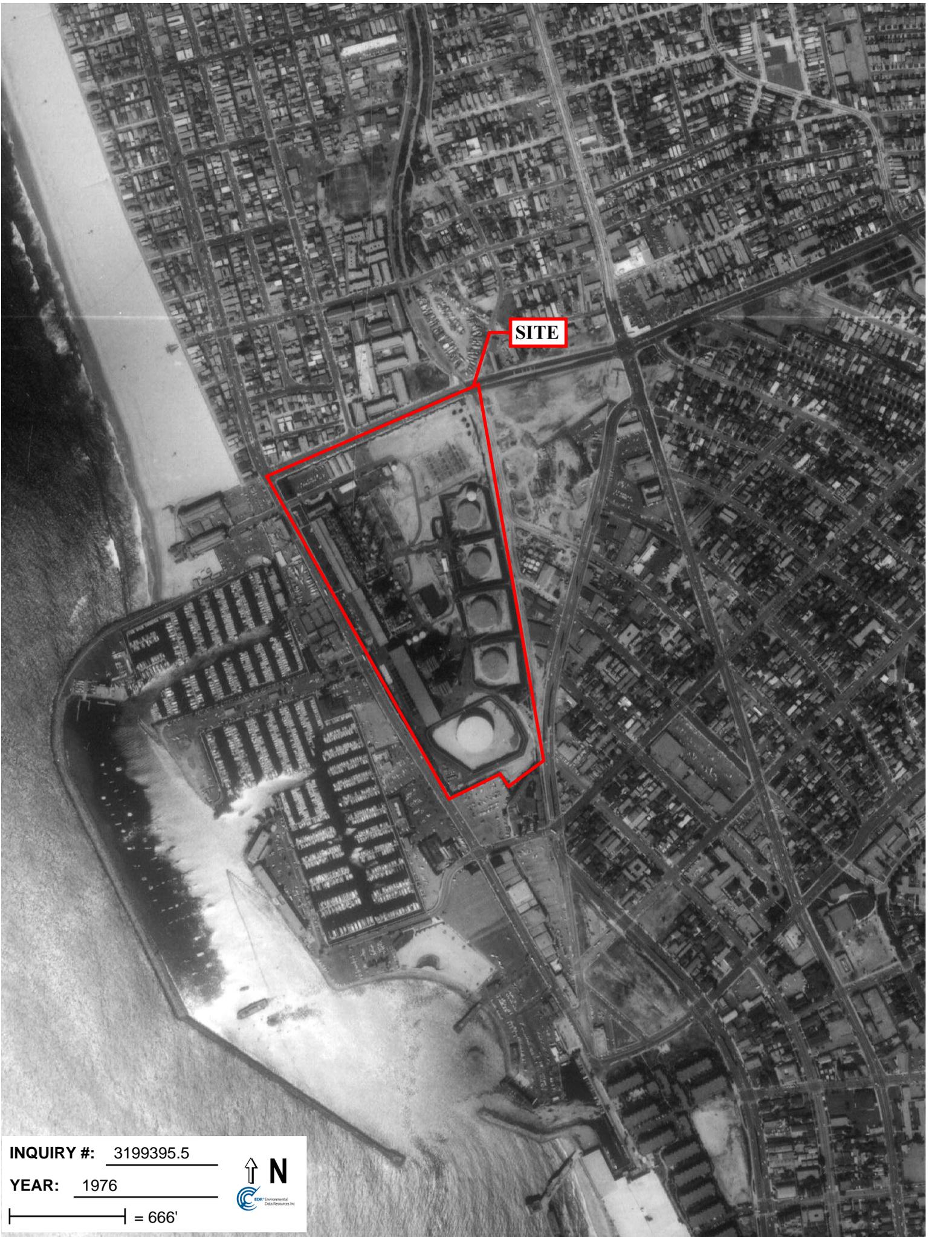
SITE

INQUIRY #: 3199395.5

YEAR: 1965

| = 666'





SITE

INQUIRY #: 3199395.5

YEAR: 1976

 = 666'





SITE

INQUIRY #: 3199395.5

YEAR: 1989

 = 666'





SITE

INQUIRY #: 3199395.5

YEAR: 1994

| = 500'





SITE

INQUIRY #: 3199395.5

YEAR: 2005

| = 500'



APPENDIX H
EDR CITY DIRECTORY ABSTRACT

AES Redondo Plant

1100 North Harbor Drive
Redondo Beach, CA 90277

Inquiry Number: 3199395.6
November 02, 2011

The EDR-City Directory Abstract

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

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

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EXECUTIVE SUMMARY

DESCRIPTION

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

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2006. 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.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2006	Haines Company	-	X	X	-
	Haines Company, Inc.	-	X	X	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	X	X	X	-
2000	Haines	-	X	X	-
	Haines & Company	-	X	X	-
	Pacific Bell Telephone Co	-	X	X	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	-	-	-
1990	Pacific Bell	-	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
1976	Pacific Telephone	-	-	-	-
1975	Pacific Telephone	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
1970	Pacific Telephone	-	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	X	X	-
1966	Pacific Telephone	-	X	X	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1965	GTE	-	-	-	-
1964	Pacific Telephone	X	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	X	X	-
1961	Luskey Brothers & Co	-	-	-	-
1960	Pacific Telephone	-	X	X	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	X	X	-
1956	General Telephone Company Publishers	-	-	-	-
1955	Home Directory Service	-	-	-	-
1954	R. L. Polk & Co.	-	X	X	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co Publishers	-	-	-	-
1950	Pacific Telephone	-	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Los Angeles Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	X	X	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Co.	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	X	X	-
1934	Los Angeles Directory Co.	-	X	X	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	TRIBUNE-NEWS PUBLISHING CO.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Kaasen Directory Company Publishers	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	X	X	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

MAP INFORMATION

The Overview Map provides information on nearby property parcel boundaries. Properties on this map that were selected for research are listed below the map.



SELECTED ADDRESSES

The following addresses were selected by the client. Detailed findings are contained in the findings section. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
1100 North Harbor Drive	Map ID: 1	X
447 HERONDO ST 204	Map ID: 3	X
1100 N HARBOR DR	Map ID: 40	X
777 N FRANCISCA AVE A	Map ID: 42	
1100 N HARBOR DR	Map ID: 43	
415 HERONDO ST	Map ID: 5	X
665 N HARBOR DR	Client Entered	X

EXECUTIVE SUMMARY

Address

400 N HARBOR DR

Type

Client Entered

Findings

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1100 North Harbor Drive
Redondo Beach, CA 90277

MapID: 1

FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	AESREOONDO	Haines & Company, Inc.
1964	SOUTHERN CALIFORNIA EDISON CO REDONDO STEAM STN	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

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

1ST CT

104 1ST CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	VMORALES M J	Pacific Telephone
	VMORALES M J	Pacific Telephone
1954	HUTCHISON FRANK	R. L. Polk & Co.

126 1ST CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	DONOHUE CHAS S	R. L. Polk & Co.

131 1ST CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	BURTON ROBT O	Pacific Telephone
1957	EDMONDS ROBT W	Pacific Telephone

132 1ST CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	SINCLAIR ROY J	Pacific Telephone

138 1ST CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	DINKEL KATHLEEN V	Pacific Telephone

142 1ST CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	DAVIS LILLIAN A	R. L. Polk & Co.
1950	BINDRIM EDW PAUL PSYCOLGST	Pacific Telephone

143 1ST CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	BURGESS PHILIP A	Pacific Telephone
	STREPPA ARTHUR	Pacific Telephone
1957	POWERS R J	Pacific Telephone
	LABBEE HAL	Pacific Telephone
1954	CARTER HOWARD	R. L. Polk & Co.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	CARTER HOWARD	R. L. Polk & Co.

156 1ST CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	GRAHAM FRANK M	Pacific Telephone
1957	MOON ROLAND F	Pacific Telephone
1954	MOON ROLAND F	R. L. Polk & Co.

160 1ST CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	PAUL ALLAN	Pacific Telephone

176 1ST CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	AKRIDGE R LOYD	Pacific Telephone
1954	AKRIDGE R LOYD	R. L. Polk & Co.

186 1ST CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	BEHNE ALBERT C	Pacific Telephone

208 1ST CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	FEDOR DORIS MRS	Pacific Telephone

232 1ST CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	O CONNELL GARY D	Pacific Telephone
1960	PUTZKA GILBERT M	Pacific Telephone
1954	CHAMBERLAIN GEO A	R. L. Polk & Co.

232 1/2 1ST CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	SZOT JIM HERMOSA BEACH	Pacific Telephone

234 1ST CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	DENISON HARVEY	Pacific Telephone

FINDINGS

1ST DR

143 1ST DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	ESTES FRANCES G	Pacific Telephone

1ST PL

145 1ST PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	HITE WM R	Pacific Telephone

1ST ST

115 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CHENWan	Haines & Company, Inc.

119 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MAYER Richard	Haines & Company, Inc.

122 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	EKSTROM CARL	Pacific Telephone

124 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

125 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MUHLEJeff	Haines & Company, Inc.

126 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1964	GREENE DOROTHY	Pacific Telephone
1960	DONOHUE CHAS S	Pacific Telephone
1957	PAYNE RICHARD G	Pacific Telephone

FINDINGS

127 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

133 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	EBRIGHTAlt Ae	Haines & Company, Inc.

133/ 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	ALMOUISTGran IW	Haines & Company, Inc.

135 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	OSTEWARTDunham	Haines & Company, Inc.

138 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	MILLER MICHAEL L	Pacific Telephone

140 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	GONZALESAraceli	Haines & Company, Inc.

148 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	FORTE RICHARD	Pacific Telephone
1960	HAMMACK ROBT G	Pacific Telephone

148 1/2 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	RICHEY BEULAH	Pacific Telephone

148A 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	NAGEL NORMAN E	Pacific Telephone

150 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	METTEN V	Pacific Telephone
1957	RICHARDSON JAS	Pacific Telephone

FINDINGS

159 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	G 6 VENSER 15sse B	Haines & Company, Inc.

160 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	LYON ROY H	Pacific Telephone
1964	LYON ROY H	Pacific Telephone
1960	LYON ROY H	Pacific Telephone
	MARTELL MARY	Pacific Telephone

160 1/2 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	CONOVER MINNIE K	Pacific Telephone
1964	KERR WALTER	Pacific Telephone

164 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	BULLOCK NEIL E	Pacific Telephone
1960	BULLOCK NEIL E	Pacific Telephone
1957	NEWBERRY GENE W	Pacific Telephone
1954	HARRIS J SYDNEY R	R. L. Polk & Co.
1950	HARRIS J SYDNEY R	Pacific Telephone

168 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	SHENSKY GEO S	Pacific Telephone
1957	BULLOCK NELL E	Pacific Telephone

172 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	ENGLE MICHAEL R	Pacific Telephone

176 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	AKRIDGE R LOYD	Pacific Telephone
1950	WATTHIES PAUL	Pacific Telephone

180 1/2 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	MOSNEY ROBT K	Pacific Telephone
1957	MATTHEWS BERT A	Pacific Telephone

FINDINGS

182 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	MARINEAU SUSAN P	Pacific Telephone
1960	NERON CLAIRE	Pacific Telephone

201 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BREWER David	Haines & Company, Inc.

203 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BREWER Osfi SM	Haines & Company, Inc.

205 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	FRIEEDRICH Rainh S	Haines & Company, Inc.

208 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BARBIS Davis	Haines & Company, Inc.

209 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	HERMOSILLO Jos H	Haines & Company, Inc.

216 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CHAMBERS William	Haines & Company, Inc.

221 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	99 TLN Scot	Haines & Company, Inc.

225 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	DALLAS Palncia 310 31 E	Haines & Company, Inc.

226 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BREEN Pa 1trek	Haines & Company, Inc.

FINDINGS

235 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

237 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	OHEDDERICHW 9I 19m	Haines & Company, Inc.

242 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BROWNSory	Haines & Company, Inc.

243 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	JONESWm B	Haines & Company, Inc.

244 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	5 M 110 NT 9ihomas	Haines & Company, Inc.

248 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BI R&Douglas	Haines & Company, Inc.

253 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	0 NESIM Bran	Haines & Company, Inc.

254 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	HARRISJohn	Haines & Company, Inc.

259 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SCHWARTZA	Haines & Company, Inc.

260 1ST ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MALONECWJ 1 Aty	Haines & Company, Inc.

FINDINGS

BEACH DR

53 BEACH DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

67 BEACH DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MCINERNEYJason	Haines & Company, Inc.

77 BEACH DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MASON Nancy	Haines & Company, Inc.
1970	RUDD DON B	Pacific Telephone

BEACH PL

89 BEACH PL

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Lith O Roll Co	Pacific Telephone

HERMOSA

101 HERMOSA

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1935	CITY & HARBOR WAREHOUSE LTD	Los Angeles Directory Co.

HERMOSA AVE

028 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BOHARAJames 00 C SCANLON Michael J	Haines & Company, Inc.

1 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	3051 PALACE CLEANING	Haines & Company, Inc.
	3120 MAGGINicholas	Haines & Company, Inc.
	3117 PIMENTELManr	Haines & Company, Inc.
	3059 0 COTA Henry	Haines & Company, Inc.
	GILBERTSON	Haines & Company, Inc.
	3041 0 CHINGVlcanle	Haines & Company, Inc.
	3047 OSHEOWDuke 00 C	Haines & Company, Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	BUS 62 RES 36 NEW	Haines & Company

101 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MICKYSITALIANDELI	Haines & Company, Inc.
1970	MICKY S ITALIAN DELICATESSEN & LIQUOR STORE	Pacific Telephone
	MICKY S ITALIAN DELICATESSEN & LIQUOR STORE	Pacific Telephone
1935	KIECKHEFER CONTAINER CO	Los Angeles Directory Co.

104 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SUMMERSTiffany	Haines & Company, Inc.
	MCDONNELL Dennis	Haines & Company, Inc.
1970	CAHILL KATHLEEN	Pacific Telephone
	SMITH DONALD W	Pacific Telephone

111 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	CHRISTIAN SCIENCE CHURCHES READING ROOMS & OFFICES	Pacific Telephone

113 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	5 KWAKChong	Haines & Company, Inc.
1970	BAY NEWS CO	Pacific Telephone

117 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	2 NDSTREETLAUNDRY	Haines & Company, Inc.
1970	REGAL LAUNDROMAT	Pacific Telephone

119 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1970	DRAPER S GROCERY	Pacific Telephone

120 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1970	OWENS EVAN S	Pacific Telephone

FINDINGS

122 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	WELLSGary	Haines & Company, Inc.
1970	LINDER MAX J	Pacific Telephone

136 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BOCK Peggy	Haines & Company, Inc.
1970	HAMMONS SUZANNE	Pacific Telephone

150 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	COTRELLGary	Haines & Company, Inc.
1970	FENDER NICK	Pacific Telephone
	THOMAS EDDIE	Pacific Telephone
	MARTIN JOHN	Pacific Telephone
	LEA LAURA	Pacific Telephone
	KNOX CHAS	Pacific Telephone
	KLINGMAN SHARON	Pacific Telephone
	KLEINER ALLAN D	Pacific Telephone
	DOLLER PHILIP	Pacific Telephone
	CHILDERS TOM	Pacific Telephone

16 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	HANSEN Pete	Haines & Company, Inc.

170 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SHOLLIDAY John	Haines & Company, Inc.
1970	ISABEL S FRENCH WEAVING	Pacific Telephone
	HERMOSA CLEANERS & ALTERATION	Pacific Telephone

190 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	LEPETITECAFE	Haines & Company, Inc.
1970	TARVER PAT INTERIORS	Pacific Telephone
	TARVER PAT UPHOLSTERY & DRAPERIES	Pacific Telephone

FINDINGS

2 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	WILLIAMS Arthur	Haines & Company, Inc.
	3101 HADuk	Haines & Company, Inc.
	LEE Robeart	Haines & Company, Inc.
	3100 ARELLANOLaura	Haines & Company, Inc.
	3017 STEPANIANNarbeh 00 S	Haines & Company, Inc.
	PAVELKAMonica S	Haines & Company, Inc.
	DAWN TO DUST	Haines & Company, Inc.
	BESTIES	Haines & Company, Inc.
	GREYJe	Haines & Company, Inc.
1970	ADCOCK WAYNE M	Pacific Telephone
	MARINA LIQUOR & DELICATESSEN	Pacific Telephone
	GRAVATT TIM A	Pacific Telephone

20 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	NIELSEN WARREN G	Pacific Telephone

201 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	S & L COFFEE SHOP	Pacific Telephone

203 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1970	SPENCER JOHN C	Pacific Telephone

216 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	FAZi OStephen JJr	Haines & Company, Inc.
1970	SOWERS ALMA M	Pacific Telephone
	AIMINO LINDA	Pacific Telephone
	COLLETTE C M	Pacific Telephone
	LEASEBURGE EUGENE E	Pacific Telephone
	OATLEY JOHN E	Pacific Telephone
	SHAFFER HAROLD M JR	Pacific Telephone

22 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	RONEYSRephen	Haines & Company, Inc.

FINDINGS

220 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MARTINI Jason	Haines & Company, Inc.
1970	PULCINI RONALD P	Pacific Telephone
	GRACE JOHN R	Pacific Telephone
	BUCHANAN RONALD H	Pacific Telephone
	CLIFTON ANDREW T	Pacific Telephone

228 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CAPACI Henry	Haines & Company, Inc.
1970	TOLOCZKO STAN	Pacific Telephone
	LOTSTEIN CHAS J	Pacific Telephone
	JALBERT CAROL	Pacific Telephone
	BLOCK TERRY	Pacific Telephone

234 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	VEROERBER Gr Ig	Haines & Company, Inc.
1970	LUSH TERRY	Pacific Telephone

236A HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	BREWINGTON HEBER D	Pacific Telephone

240 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1970	HUGHES JERRY	Pacific Telephone

28 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1942	DAYTON John G snpvr WO Co	Los Angeles Directory Co.

3 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	2947 HUFFMAN Curt	Haines & Company, Inc.
	3007 W 09 E Martn	Haines & Company, Inc.
	3035 CANTOS Florenlna	Haines & Company, Inc.
	3038 BERG Chenne	Haines & Company, Inc.
	B BERG Nalhan	Haines & Company, Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	3053 MILLERThomas	Haines & Company, Inc.
	SUKEY Michael J	Haines & Company, Inc.

30 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1970	PRIME WRIGHT CUSTOM BOAT COVERS & UPHOLSTERY	Pacific Telephone
1960	GENERAL TRANSISTOR CORP MAGNE- HEAD DIV	Pacific Telephone

32 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	QUAINTANCETHRFT	Haines & Company, Inc.
	SUMMERSTiffany	Haines & Company, Inc.

35 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

37 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SCURSAGEMana	Haines & Company, Inc.

4 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	r HGS	Haines & Company, Inc.
	SHERRY Richard	Haines & Company, Inc.

43 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SMANN Victona 00 C	Haines & Company, Inc.
1970	DAZEY FRANK MRS	Pacific Telephone

44 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BEACHSHORES	Haines & Company, Inc.
1970	SAND CASTLE PRE SCHOOL NRSRLES	Pacific Telephone

48 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	ASHBY Matthew	Haines & Company, Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	TAYLOR DAVID E	Pacific Telephone
	GONZALEZ WM	Pacific Telephone

5 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	GOMBASTom	Haines & Company, Inc.

54 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SLACEY Daved	Haines & Company, Inc.

56 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BANGSHAIR SALON	Haines & Company, Inc.
1970	BARCELONA SALON	Pacific Telephone

6 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	NALLEKaren	Haines & Company, Inc.

60 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1970	DARIAN STUDIOS	Pacific Telephone
	SOUTH COAST BALLET CO	Pacific Telephone

63 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	ZAMELJames	Haines & Company, Inc.

64 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	ZAMELJames	Haines & Company, Inc.

65 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	GADDEN J E	Pacific Telephone

66 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	HOWE S THE B B Q	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	HOWE S B B Q RESTRNT	Pacific Telephone

7 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	JANICEKAaron	Haines & Company, Inc.

71 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SROBERTSONNeil	Haines & Company, Inc.

75 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BREWSTERAmy	Haines & Company, Inc.
1970	MCMAHON JOHN F	Pacific Telephone

8 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	3116 SLEEHon	Haines & Company, Inc.
	MONGEYRoy	Haines & Company, Inc.

85 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

89 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

95 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	ACHATZ Richard	Haines & Company, Inc.
1970	HENDRICKS SUE	Pacific Telephone
	LEVY KATHLEEN	Pacific Telephone

97 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	WRIGHTWarren	Haines & Company, Inc.

99 HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SKNOXRoy M	Haines & Company, Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	KNOX ROY M	Pacific Telephone

HERONDO

121 HERONDO

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1967	Wise Construction Co	Pacific Telephone

415 HERONDO

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1986	ELLIOTT JENNIFER HERMOSA BEACH	Pacific Bell
1985	DEROSA EDW	Pacific Bell

HERONDO ST

104 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	ELLINGTONDarrell	Haines & Company, Inc.

114 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	EVERSON Douglas	Haines & Company, Inc.

119 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	JONES Uyen	Haines & Company, Inc.
	JONES Man	Haines & Company, Inc.

121 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SPOTLIGHT	Haines & Company, Inc.
1970	ARTS & CRAFTS STUDIO HERMOSA BEACH	Pacific Telephone

125 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	STODDARD Andrew	Haines & Company, Inc.
	XXXX	Haines & Company, Inc.

133 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	THEISLynne	Haines & Company, Inc.

FINDINGS

137 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MCMILLAN David	Haines & Company, Inc.

140 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CHONG Steve	Haines & Company, Inc.

143 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	WEAVERMarv	Haines & Company, Inc.

148 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MORRISJeff	Haines & Company, Inc.

149 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SWARTZSamuel	Haines & Company, Inc.

150 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BRIZENBINEdsn W	Haines & Company, Inc.

151 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	LEEPeter	Haines & Company, Inc.

153 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	ROGGE ROGER E	Pacific Telephone

154 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	KUSAYANAGI Lis	Haines & Company, Inc.

157 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	DOUGLASMark	Haines & Company, Inc.

158 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	WALKERThos	Haines & Company, Inc.

FINDINGS

161 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	ARAMBULOTina	Haines & Company, Inc.

167 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	FAHEYColn	Haines & Company, Inc.

170 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	LYNCH Kevin	Haines & Company, Inc.

174 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MUSSONBrady	Haines & Company, Inc.

180 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	LAU Philip	Haines & Company, Inc.

186 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	TILVEChnistin	Haines & Company, Inc.

187 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SUTHERLANOJason	Haines & Company, Inc.

192 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	EDRINGTON Sean	Haines & Company, Inc.

193 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	GRAYJessuca	Haines & Company, Inc.

206 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BICKFORDKatna	Haines & Company, Inc.

212 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	YEE Raymond	Haines & Company, Inc.

FINDINGS

222 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SWIDERGlen	Haines & Company, Inc.
	SWIDERSKIGerhard	Haines & Company, Inc.

223 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	STATKEVICUSJoel	Haines & Company, Inc.

233 HERONDO ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	YARBDOUGHTom C	Haines & Company, Inc.

415 HERONDO ST

Map ID: 5

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	PLAYAPACIFICAAPTS ANDERTONRrchar D	Haines & Company, Inc.
	YEE Raymond	Haines & Company, Inc.
	AUERBACHAlan	Haines & Company, Inc.
1986	ELLIOTT JENNIFER HERMOSA BEACH	Pacific Bell
1985	DEROSA EDW	Pacific Bell
1981	ELLIOTT JENNIFER HERMOSA BEACH	Pacific Telephone

HERONDO ST 204

447 HERONDO ST 204

Map ID: 3

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	APARTMENTS	Haines & Company, Inc.
	MCNEILAlber	Haines & Company, Inc.

LYNDON ST

10 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	WANGPeixin	Haines Company
	SUNZong Quan	Haines Company
	ZHUPeng	Haines Company
	ZHU Xia	Haines Company

103 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	INTERNATIONAL HANDCRAFT & SUPPLY	Pacific Telephone

118 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1964	HASLER GEO R	Pacific Telephone

119 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	WISEB	Haines & Company, Inc.

120 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	VANDENIKHOFPau I	Haines & Company, Inc.

123 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	DE LONG GLENN O	Pacific Telephone

124 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CARDENAS Allredo	Haines & Company, Inc.

125 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

126 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

129 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1964	OLIVIERI TED	Pacific Telephone
1954	ALBRITTON JACK MI	R. L. Polk & Co.

133 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BEATTYRobert	Haines & Company, Inc.
1970	SUTHERLAND ROSE	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	SUTHERLAND ROSE	Pacific Telephone
1957	ABBOTT NANCY C	Pacific Telephone

134 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	GRAY Mike	Haines & Company, Inc.

138 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	POSTJohn	Haines & Company, Inc.

139 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	AYERSKirk	Haines & Company, Inc.
1970	SHOEMAKER STEPHEN P JR	Pacific Telephone
1960	MCCONNELL MICHAEL A	Pacific Telephone

141 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1970	SHIMP CLAYTON E	Pacific Telephone

143 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	HAYESKen	Haines & Company, Inc.
1970	FOSTER S J	Pacific Telephone

144 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	COX EVERETT G HERMOSA BEACH	Pacific Telephone

145 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	RAIFE KARL E	Pacific Telephone

146 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BOWSHE 6 Donna	Haines & Company, Inc.
1950	CLARK GEE H	Pacific Telephone

FINDINGS

147 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	VRIESMANLeah	Haines & Company, Inc.

148 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	SOPER ROBT E	Pacific Telephone

152 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	COOPER Michael	Haines & Company, Inc.
1964	MURPHY JOS F	Pacific Telephone
1960	MURPHY JOS F	Pacific Telephone

153 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1964	DIETZ JUNE	Pacific Telephone

160 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	IMBERECHTSLuc	Haines & Company, Inc.
1964	HOLBROOK R J	Pacific Telephone

161 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	COMPASSStephen	Haines & Company, Inc.
1960	CHAMBERLIN F L	Pacific Telephone

166 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	REGELLO LAWRENCE D R	Pacific Telephone

167 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	STERLINGJames	Haines & Company, Inc.

173 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	LUPOPPaul	Haines & Company, Inc.
1964	SALZANO EDITH A HERMOSA BEACH	Pacific Telephone

FINDINGS

179 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BEHR David	Haines & Company, Inc.
1970	BEHR EARL R	Pacific Telephone
1957	JENSEN DIANE D	Pacific Telephone

187 1/2 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	JELINEK DONALD	Pacific Telephone

2 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	YANG Jackson	Haines Company

216 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	GONZALESGeorge	Haines & Company, Inc.

222 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MASCOEBryan	Haines & Company, Inc.

226 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	RICHARTGregory	Haines & Company, Inc.
1970	HOLROYD RICHARD G PHD	Pacific Telephone
1964	MEEKS CAREY F	Pacific Telephone
1957	DUINKEL KATHLECI-N V	Pacific Telephone

228 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1964	ERICKSON M	Pacific Telephone

230 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

5 LYNDON ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	171 XXXX	Haines & Company, Inc.

FINDINGS

LYNDON WAY

120 LYNDON WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	KING ROBT W	Pacific Telephone

121 LYNDON WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	HOPKINS JOHN M	Pacific Telephone

MONTEREY BLVD

1 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MESSINAJ	Haines & Company, Inc.
	THOMPSONJames	Haines & Company, Inc.

100 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	EMERYODere	Haines & Company, Inc.

101 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	EOSTICERob UJ	Haines & Company, Inc.
	FURUMASUJun i J	Haines & Company, Inc.
1970	BEENK MICHAEL J	Pacific Telephone
	BOWERS GARY E	Pacific Telephone
	CEDERGREEN DAVID	Pacific Telephone
	DIMITRIOU RALLI	Pacific Telephone
	EVANS THOS S	Pacific Telephone
	HORTON PARNELA M	Pacific Telephone
	KITCHEN DALE A	Pacific Telephone
	KUXHAUS STEVE	Pacific Telephone
	MILLER BETTE L	Pacific Telephone
	MILLER WM	Pacific Telephone
	NORKUS KENNETH P	Pacific Telephone

102 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SESTAKDavid	Haines & Company, Inc.

FINDINGS

104 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CLARK Christopher	Haines & Company, Inc.

106 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	TYPRIN	Haines & Company, Inc.

11 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	THOMPSONJames	Haines & Company, Inc.

114 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	OTAYLORRon	Haines & Company, Inc.
1970	BATEMAN RICHARD L	Pacific Telephone

115 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BURCHLany	Haines & Company, Inc.
1970	SNYDER ERIC B	Pacific Telephone

12 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	ROBERTSJamie	Haines & Company, Inc.

121 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SANDERS Russell	Haines & Company, Inc.
1970	PAZEL DARRYL L	Pacific Telephone

123 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	MELNYK JON S	Pacific Telephone

125 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	HUTCHENSRaoul	Haines & Company, Inc.
1970	HUDDLESTON DIANE	Pacific Telephone

FINDINGS

126 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	HEWESJill A	Haines & Company, Inc.
1970	KELLER WES	Pacific Telephone

16 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

2 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	DIPIETROD	Haines & Company, Inc.
	SHAMALY Steve	Haines & Company, Inc.

20 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1970	BAIRD DAISY S	Pacific Telephone

30 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	BLADES FRANK T	Pacific Telephone

43 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1970	GORSLINE SEYMOUR	Pacific Telephone

5 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	KEREKESRobert	Haines & Company, Inc.

7 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SHIBATAKevsn	Haines & Company, Inc.
	MYCHALYnonne	Haines & Company, Inc.

86 MONTEREY BLVD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	LARSEN ALBERT W	Pacific Telephone

FINDINGS

N HARBOR

1085 N HARBOR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	SHELL OIL COMPANY Sales Offices	Pacific Telephone

841 N HARBOR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	VITA CRAFT COOKWARE	Pacific Telephone

910 N HARBOR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Rued JE	Pacific Bell

925 N HARBOR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1971	M P International Building Corp	Pacific Telephone

N HARBOR DR

1001 N HARBOR DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Faust DN	Pacific Bell
	Sanchez Andrea	Pacific Bell
	Elmnukhun M W Cov	Pacific Bell
	Elmers Leslie P	Pacific Bell

1021 N HARBOR DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	REDONDO MARINE	Haines & Company, Inc.

1100 N HARBOR DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	AESREOONDO	Haines & Company, Inc.
	AESREOONDO	Haines & Company, Inc.
1964	SOUTHERN CALIFORNIA EDISON CO REDONDO STEAM STN	Pacific Telephone
	SOUTHERN CALIFORNIA EDISON CO REDONDO STEAM STN	Pacific Telephone

Map ID: 40

179 N HARBOR DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

FINDINGS

181 N HARBOR DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	KING HARBOR	Haines & Company, Inc.
1970	THE HOIST RESTRNT	Pacific Telephone
	MC RAE GORDON EXECUTIVE OFCS	Pacific Telephone
1964	BOAT HOIST BOAT LAUNCHNG	Pacific Telephone
	THE HOIST RUSTRNT	Pacific Telephone

665 N HARBOR DR

Client Entered

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	REZZONICOTRUSTS	Haines & Company, Inc.
	CHEESECAKEFACTY	Haines & Company, Inc.
1985	FINNY S AT KING HARBOR	Pacific Bell
1970	LOBSTER HOUSE RESTRNT	Pacific Telephone

817 N HARBOR DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

819 N HARBOR DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	DEJAN LEO	Pacific Telephone
	DYAS JEFF J	Pacific Telephone
	EVANS WM G	Pacific Telephone
	GECKS TED A	Pacific Telephone
	GREY DONALD	Pacific Telephone
	GUESS ROBT	Pacific Telephone
	GUTHRIE L C JR	Pacific Telephone
	HALLIDAY ROBT G	Pacific Telephone
	HANSEN EDW W	Pacific Telephone
	HARBOR COVE APARTMENTS	Pacific Telephone
	INTRA LEISURE INC	Pacific Telephone
	KEPHART WM C	Pacific Telephone
	KING HARBOR DOCK PAGING	Pacific Telephone
	KING HARBOR MARINA OFC	Pacific Telephone
	THE STORE	Pacific Telephone
	TERRANO CARL	Pacific Telephone
	STAFFORD MICHAEL D	Pacific Telephone
	SIDELL BILL	Pacific Telephone
	SHEEAN WM H	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	PRUDEN HAL	Pacific Telephone
	PEDLOW ALDEN	Pacific Telephone
	PATTERSON MILTON	Pacific Telephone
	OAKES JACK	Pacific Telephone
	MASTERS JIM	Pacific Telephone
	MARINA YACHT SALES	Pacific Telephone
	LIZA HUGO	Pacific Telephone
	ADAMS GERALD F	Pacific Telephone
	BARD JOHN W	Pacific Telephone
	BARNACLE BILL MARINE ENGINE SERVICE	Pacific Telephone
	BETZ DAVID L	Pacific Telephone
	DAVIS A H	Pacific Telephone
1967	Freed Wm yacht brkrs	Pacific Telephone
	KING HARBOR MARINA & DEVELOPMENT CO	Pacific Telephone
1964	TERRANO CARL	Pacific Telephone
	CAPTAINS LOCKER THE MARINE EG	Pacific Telephone

831 N HARBOR DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	KING HARBOR BOAT	Haines & Company, Inc.
1970	KING HARBOR MARINE CENTER BOAT REPR	Pacific Telephone
	AMERICAN MARINE ENTERPRISES INC	Pacific Telephone

835 N HARBOR DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

895 N HARBOR DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CAMACHOS GRILL	Haines & Company, Inc.

900 N HARBOR DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	DOHERTY S HUGH KING HARBOR BOATS	Pacific Telephone

901 N HARBOR DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	BUTTREY MILTON	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	WHERRY MACK E	Pacific Telephone

910 N HARBOR DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Verrill Hubert Mrs	Pacific Bell
	Call Donald W & Opal B	Pacific Bell
	Budreau R M GIndra	Pacific Bell
	Budovec Geo	Pacific Bell
	Verrill A A	Pacific Bell
	i Parley Richard	Pacific Bell
	Verrone Marjorie	Pacific Bell

935 N HARBOR DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	A Jaramflio Associates Financial Brokerage	Pacific Bell
	ABE L Business Services	Pacific Bell
	Valle Robt Insurance Broker	Pacific Bell

941 N HARBOR DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Fernandos Hair Design	Pacific Bell

PALM

11 PALM

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

14 PALM

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

PALM AVE

4 PALM AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	Forbes	Pacific Bell Telephone Co
	Gillig Jas A	Pacific Bell Telephone Co
	Alband Brad J	Pacific Bell Telephone Co
	Reinke Jj	Pacific Bell Telephone Co

FINDINGS

PALM CT

120 PALM CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	HENDRICKSON CHESTER C R EL MONTE	Pacific Telephone
	HENDRICKSON CHESTER C R EL MONTE	Pacific Telephone

121 PALM CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	REYNOLDS C E	Pacific Telephone
1950	WEIR H CHESTER R	Pacific Telephone
	WEIR H CHESTER R	Pacific Telephone

130 PALM CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	DUNNING B E R	Pacific Telephone
	DUNNING B E R	Pacific Telephone

PALM DR

1 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	APARTMENTS	Haines & Company, Inc.
	VARTANIANLieda	Haines & Company, Inc.
	SARKISIAN Sergik 818 826 W	Haines & Company, Inc.
	MIRZAIANS Vartan 186 242 11a	Haines & Company, Inc.

100 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Nesson John & Nancee	Pacific Bell
	NESSON JOHN & NANCEE	Pacific Bell
1985	NESSON JOHN & NANCEE	Pacific Bell

101 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	DUNN ALAN P	Pacific Telephone
1960	MAYS WM W	Pacific Telephone
1957	MAYS WM W	Pacific Telephone
1950	MAYS WM W R	Pacific Telephone
	MAYS WM W R	Pacific Telephone

FINDINGS

105 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	SADIE S POWDER PUFF BEAUTY SHOP	Pacific Telephone
1950	CONNETT CORA POWDER PUFF BEAUTY SHOP	Pacific Telephone
	PALUMBO JOHN F R	Pacific Telephone
	POWDER PUFF BEAUTY SHOP	Pacific Telephone
	POWDER PUFF BEAUTY SHOP	Pacific Telephone
	PALUMBO JOHN F R	Pacific Telephone
	CONNETT CORA POWDER PUFF BEAUTY SHOP	Pacific Telephone

112 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	LUDFORD PAUL T	Pacific Bell

113 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1923	HARVEY CURTISS	Los Angeles Directory Co.

119 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1923	HARVEY CLARENCE	Los Angeles Directory Co.

120 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1923	WEBER N J	Los Angeles Directory Co.
	LUBECK A I MRS	Los Angeles Directory Co.

121 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	HAYES GERALDINE MRS PALM DR BRADBURY	Pacific Telephone

122 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	COHENJodr	Haines & Company, Inc.

123 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1923	GRAVES C A MRS	Los Angeles Directory Co.

FINDINGS

126 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	BERGER RICHARD J	Pacific Telephone

128 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	ROBBINS C S R	Pacific Telephone
	ROBBINS C S R	Pacific Telephone

129 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	SPANOS ELFIE WALKER R	Pacific Telephone
	WALKER KENNETH R	Pacific Telephone
	SPANOS ELFIE WALKER R	Pacific Telephone
	WALKER KENNETH R	Pacific Telephone

132 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	LASKY Laurence	Haines & Company, Inc.
1970	BURGESS WALTER	Pacific Telephone
1964	BURGESS WALTER	Pacific Telephone
1960	BURGESS WALTER	Pacific Telephone
1957	BURGESS WALTER	Pacific Telephone
1954	BURGESS WALTER	R. L. Polk & Co.

137 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	OCK Robert 00 C	Haines & Company, Inc.
1970	CHRISTIAN J	Pacific Telephone
1964	FERNANDEZ FRANCIS	Pacific Telephone

14 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BAGHERMIAN Snrous	Haines & Company, Inc.
	GOVBASHYAN Aram 818 247 20 B	Haines & Company, Inc.
	KHACHATOURLe Va	
	Zaghgoosh	Haines & Company, Inc.
	GHOOGASIAN	Haines & Company, Inc.
	DANIELIAN Saorbs	Haines & Company, Inc.
	APARTMENTS	Haines & Company, Inc.

FINDINGS

146 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	EL RANCHO BRADBURY PALM DR BRADBURY	Pacific Telephone

163 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	BREY M K	Pacific Telephone
1964	ADAMS JAS	Pacific Telephone

19 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	APARTMENTS	Haines & Company, Inc.
	BAIKINSANG 81 57 01 I	Haines & Company, Inc.
	BRODYGreg 8ia 637 222	Haines & Company, Inc.
	CH 0 NGKH	Haines & Company, Inc.
	PALM OI 91202 CONT GREAT WESTERN	Haines & Company, Inc.
	PAINTING CO	Haines & Company, Inc.

218 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MORONEYE 00 C	Haines & Company, Inc.
1970	ANDERSON TOM	Pacific Telephone

22 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	KURTZ HERMAN C	Pacific Telephone
1957	KURTZ HERMAN C	Pacific Telephone
1950	KURTZ HERMAN C R	Pacific Telephone
	KURTZ HERMAN C R	Pacific Telephone

225 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1934	WOOD HANNAH M MRS	Los Angeles Directory Co.

226 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	GOODJames	Haines & Company, Inc.
1970	GRODRIAN GLENN	Pacific Telephone
1964	SOUTH RICHARD W	Pacific Telephone
1960	DICKERSON L A	Pacific Telephone
1957	DICKERSON L A	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	RAYNES HARRY	Pacific Telephone

232 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	GUEVARAGabnrel	Haines & Company, Inc.
1970	KENNEDY CALVIN D	Pacific Telephone
1960	BRYAN PATRICK J	Pacific Telephone
1957	CULBERT ROBT M	Pacific Telephone
1954	OROURKE VIRGINIA L	R. L. Polk & Co.

236 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1923	WEST RAYMOND A AUTO OPR GRAHAM TRANSP CO R WATTS	Los Angeles Directory Co.

26 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	LENSKI JOHN S ARCADIA	Pacific Telephone

28 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	HOBBS ERVIN A R	Pacific Telephone
	HOBBS ERVIN A R	Pacific Telephone

29 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	BIGGI DOM	Pacific Telephone
1960	DUNN ALAN P	Pacific Telephone
1957	HENRY JOHN A	Pacific Telephone
1950	HENRY JOHN A R	Pacific Telephone
	HENRY JOHN A R	Pacific Telephone

3 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SULEYMANYANAraksia	Haines & Company, Inc.
	SHAKARIANKar Ope	Haines & Company, Inc.

39 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	NICKERSON A B R ARCADIA	Pacific Telephone
	NICKERSON A B R ARCADIA	Pacific Telephone

FINDINGS

4 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	YIYu Chong	Haines & Company, Inc.
	KIMCheon Soo	Haines & Company, Inc.
	SONChu Yop	Haines & Company, Inc.

44 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	DRAPER H E R ARCADIA	Pacific Telephone
	DRAPER H E R ARCADIA	Pacific Telephone

45 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CORBINMartm A	Haines & Company, Inc.

5 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	a 61 ARKARIAN Alexander	Haines & Company, Inc.

51 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	GILBERT GEO W	Pacific Telephone
1950	ELMORE J M R	Pacific Telephone
	ELMORE J M R	Pacific Telephone

52 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	EDMONDSON R C	Pacific Telephone
1957	MAIBEN LAURA	Pacific Telephone
1950	GARBER A J R	Pacific Telephone
	GARBER A J R	Pacific Telephone

58 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	KIEFER MARGARET	Pacific Telephone
	BRONTE JOSEPHINE	Pacific Telephone
	BLAND H J	Pacific Telephone
1960	DUNLAP ROY H SR ARCADIA	Pacific Telephone
1957	WORLEY CLAUDE M	Pacific Telephone
	MATHIAS GEO	Pacific Telephone
1950	GRUBE CHAS E R	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1950	GRUBE CHAS E R	Pacific Telephone

61 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1985	MARTIN LAURIE	Pacific Bell
1980	MARTIN LAURIE PALM DR BRADBURY	Pacific Telephone

67 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	BEST WALTER A	Pacific Telephone
1957	BEST WALTER A	Pacific Telephone
1950	BEST WALTER A R	Pacific Telephone
	BEST WALTER A R	Pacific Telephone

8 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	f 09 PETROSIAN Fredrtck	Haines Company, Inc.

81 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LOWITZ Louis I	Haines Company

84 PALM DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1966	MATTHYSSENS CANDY	Pacific Telephone
	MATTHYSSENS JULES A	Pacific Telephone
1957	SARICH FRANK R	Pacific Telephone
1950	PAYTON ROBT R	Pacific Telephone
	PAYTON ROBT R	Pacific Telephone

PALM DR N

13 PALM DR N

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	BUS 3 RES 3 NEW	Haines

PALM TER

120 PALM TER

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1990	TOWNER TOMMIE PAS	Pacific Bell

FINDINGS

S HERMOSA AVE

27 S HERMOSA AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	JOHNSON DELIA	Pacific Telephone

THE STRAND

040 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	VURPILLAT APTS	Pacific Telephone

100 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CORALLOTony	Haines & Company, Inc.
1960	MC GUIRE MYLES	Pacific Telephone

110 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BLOUQHGary	Haines & Company, Inc.
1970	EICHE R J	Pacific Telephone
	FERGUSON ROBT M	Pacific Telephone
1964	DOUGLAS PATRICIA	Pacific Telephone
	EICHE R J	Pacific Telephone
	BAILEY KATHLEEN S	Pacific Telephone
	COOLEY KATHLEEN	Pacific Telephone
	MCGARRY MARGIE	Pacific Telephone
1960	HANCOCK STANWORTH C	Pacific Telephone
1957	HANCOCK STANWORTH C	Pacific Telephone
1950	STONE DOREE	Pacific Telephone

112 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	KANARIANTom	Haines & Company, Inc.

114 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	NEERMANNRenee	Haines & Company, Inc.
1970	TONNING GALE	Pacific Telephone
	GONZALES JOE	Pacific Telephone
1964	MACIEJEWSKI ROMAN	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	BRIGGS MABEL E	Pacific Telephone
1960	UPP RAYMOND C	Pacific Telephone
	LORD JOHN	Pacific Telephone
	BRIGGS MABEL E	Pacific Telephone
1957	LORD JOHN	Pacific Telephone
	HODNEFIELD LEO M	Pacific Telephone
	BRIGGS MABEL	Pacific Telephone
	LOVE G M	Pacific Telephone
1950	STEWART MARGARET R	Pacific Telephone

12 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	KINEL Brian	Haines & Company, Inc.
1970	MC KELLAR G L	Pacific Telephone
1964	MCKELLAR GENEVA L	Pacific Telephone
1960	KING S D	Pacific Telephone
1957	JAKWAY JERRY W	Pacific Telephone
1954	MCKELLAR JAS W	R. L. Polk & Co.

124 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	ARONOFF Rob I	Haines & Company, Inc.
1970	NEWMAN RONALD	Pacific Telephone
1964	SPANDE DEAN	Pacific Telephone
	LOBSITZ VANCE	Pacific Telephone
	NELSON ROBT	Pacific Telephone
1960	NELSON ROBT	Pacific Telephone
	PETERSON BOYD	Pacific Telephone
	SHOULDERS RICHARD	Pacific Telephone
	UDALL GORDON	Pacific Telephone
1957	HARRIS J MAYFIELD MD	Pacific Telephone

126 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CAMACHO Jesse	Haines & Company, Inc.
1970	ROSS WILLIAM C JR	Pacific Telephone
1964	HOFFMAN DON A	Pacific Telephone
1960	EICHHORN WENDYA M	Pacific Telephone
1954	ELCHHORN WANDA M	R. L. Polk & Co.

FINDINGS

128 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	VIEYRACasren	Haines & Company, Inc.

132 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1970	BANKER JOHN	Pacific Telephone
	BLOORE JERRY	Pacific Telephone
1964	ROTSTEIN JOHN	Pacific Telephone
1960	ADAMS GEO W	Pacific Telephone

134 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1964	KING ROBT	Pacific Telephone
1957	JOHNSON LEWIS E	Pacific Telephone
1950	SCOLES R D	Pacific Telephone

139 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MARINSIeven	Haines & Company, Inc.

16 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BRILLCharles	Haines & Company, Inc.
1960	BROWN PAUL VEEDER	Pacific Telephone
1957	BROWN PAISL VEEDER	Pacific Telephone

18 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BOURGEOIS Louis	Haines & Company, Inc.
1970	LYON RICHARD	Pacific Telephone
1960	GATELY CLARA N	Pacific Telephone

20 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	RYAN Patrick Sean	Haines & Company, Inc.
1960	MEHARG BILLY MRS	Pacific Telephone
1957	MEHARG BILLY MRS	Pacific Telephone

FINDINGS

204 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BASINSKIDave	Haines & Company, Inc.
1970	SOWERS DENNIS	Pacific Telephone
	SARGENT TRACEY	Pacific Telephone
	JOHNSTONE JODI J	Pacific Telephone
1964	BUECHE WAYNE J	Pacific Telephone
1960	CLEMENCE JAS C	Pacific Telephone

212A THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	PATTERSON GEO A JR R	R. L. Polk & Co.
1950	PATTERSON GEO A JR R	Pacific Telephone

213A THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	FRENCH RAYMOND	Pacific Telephone

214 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CABALLESRaquel	Haines & Company, Inc.

218 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	HOLMENMilon	Haines & Company, Inc.
1970	HOLMEN MILTON G	Pacific Telephone
	MCPMAHON PETER J	Pacific Telephone
1960	GLENN JAS G	Pacific Telephone
1954	GLENN JAS G	R. L. Polk & Co.
1950	GLENN JAS G	Pacific Telephone

22 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	LUTZ Gregory	Haines & Company, Inc.

222 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	OFLAHERTYBilt	Haines & Company, Inc.
1970	FLEMING CARL	Pacific Telephone
1960	CRIDER JOE JR	Pacific Telephone
1957	CRIDER JOE JR	Pacific Telephone

FINDINGS

224 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

230 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MANSOUREhab	Haines & Company, Inc.
1970	HUBER K C	Pacific Telephone
1964	SHIELDS PAMELA J	Pacific Telephone
1950	ROBINSON ROBT J	Pacific Telephone

232 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	NORD Daniel	Haines & Company, Inc.
1970	HUBER FERN V MRS	Pacific Telephone
1964	HUBER FERN V MRS	Pacific Telephone
1960	HUBER FERN V MRS	Pacific Telephone
1954	HUBER FERN V MRS	R. L. Polk & Co.

234 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1970	PAYNE ROBT E DR	Pacific Telephone
	BERGQUIST LES D	Pacific Telephone
1964	BREHM ROBT E	Pacific Telephone
	MALONE THOS B	Pacific Telephone
	ROGERS WM J	Pacific Telephone
1960	SABADASH GEO	Pacific Telephone

236 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	VANDEVEER Robin	Haines & Company, Inc.
1970	MARTINEZ JOHN S	Pacific Telephone
	DRAPER KENNETH DALE	Pacific Telephone
1964	BISSETT JOHN L	Pacific Telephone
1960	BORUN ROBT	Pacific Telephone
1957	ALEXANDER WM G	Pacific Telephone
1950	HOLLAR HAROLD D	Pacific Telephone

FINDINGS

236B THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	HOFFMAN JOHN H	Pacific Telephone

236C THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	HARRIS CURTIS B	Pacific Telephone

238 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	MILLER OWENS	Pacific Telephone
1960	MILLER W OWENS	Pacific Telephone
1957	I O*E I W	Pacific Telephone

29 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	LANDON JOHN J	Pacific Telephone

30 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	ROSZYK Edward	Haines & Company, Inc.
1970	STALDER E L MRS	Pacific Telephone
1964	STALDER E L MRS	Pacific Telephone
	ZETA TAU OMEGA	Pacific Telephone
1960	MEREDITH JOHN	Pacific Telephone
	STALDER E L MRS	Pacific Telephone
1957	STALDER E L MRS	Pacific Telephone
1954	ST ALDER R L R	R. L. Polk & Co.
1950	STALDER R L R	Pacific Telephone

32 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MENZELAleaander	Haines & Company, Inc.
1970	HOULE GERARD	Pacific Telephone

34 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1970	HOWE SHIRLI	Pacific Telephone

FINDINGS

36 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
1970	RESZOWSKI DENNIS W	Pacific Telephone
	SULLIVAN JOHN M	Pacific Telephone
	JEMISON RICHARD K	Pacific Telephone
1964	HILL WM JR	Pacific Telephone
	MEANS CAROL	Pacific Telephone
1954	BRIGGS GEO L JR	R. L. Polk & Co.
1950	PERNICK JOS R	Pacific Telephone

4 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	FLEISCHERMichael	Haines & Company, Inc.
1970	BROWN KENNETH	Pacific Telephone
1964	BROWN R KENNETH	Pacific Telephone
	YBARRA PAUL W	Pacific Telephone
1960	BROWN KENNETH	Pacific Telephone

44 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	PALMER Greg	Haines & Company, Inc.
1960	MANN THEWELLE O	Pacific Telephone

4A THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	ROTHSCHILD B M	Pacific Telephone
1957	PINKLEY DENVER	Pacific Telephone

5 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	B DREWRYDou	Haines & Company, Inc.

52 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	MALONEMolly	Haines & Company, Inc.
1970	KEARNEY KEN	Pacific Telephone
	LASALLA MIKE	Pacific Telephone
	ROBINSON BERNICE E	Pacific Telephone
	SMITH FRANK	Pacific Telephone
	EGGERT LEE	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	CURTIS WM	Pacific Telephone
	SMITH FRANK	Pacific Telephone
1960	ROBINSON W W MRS	Pacific Telephone
1957	ROBINSON W W MRS	Pacific Telephone
1950	ROSS ROBT MRS	Pacific Telephone

52A THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	DEAN JOHN F	Pacific Telephone
1964	MORENO HERMAN	Pacific Telephone

56 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CULLE	Haines & Company, Inc.
	ADKINS William	Haines & Company, Inc.
	ADKINS William	Haines & Company, Inc.
	APARTMENTS	Haines & Company, Inc.
1970	BOYCE W J	Pacific Telephone
	PAGE RICHARD G	Pacific Telephone
	RUDERMAN SHELDON	Pacific Telephone
1964	PAGE RICHARD G	Pacific Telephone
	ROBINSON W W MRS	Pacific Telephone
1950	HIESTAND E W	Pacific Telephone

58 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	RUBY CAROL D	Pacific Telephone
	SEIDEN SANDRA	Pacific Telephone
	SIMMONS G	Pacific Telephone

60 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	MAGGIO FRANK	Pacific Telephone

62 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	BARNARD JOHN T	Pacific Telephone
1964	BEVAN TOM G	Pacific Telephone
1960	BEVAN TOM G	Pacific Telephone
1957	BEVAN TOM G	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	BEVAN TOM G	R. L. Polk & Co.

64 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	BEVAN T G	Pacific Telephone
1964	GRANNIS FRANK	Pacific Telephone
1957	MADISON RONALD B	Pacific Telephone

66 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SOLOMON Stephen	Haines & Company, Inc.
1970	MULLIGAN ROBT H	Pacific Telephone
1964	DANELY IRENE MRS	Pacific Telephone
1960	DANELY IRENE MRS	Pacific Telephone
1954	DANELY IRENE MRS	R. L. Polk & Co.

7 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	EOnl O MATHEWSMichael	Haines & Company, Inc.

72 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	BJERKE Nalhan	Haines & Company, Inc.
1980	GOSCH MARC L	Pacific Telephone

78 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	JAMESAI	Haines & Company, Inc.
1970	JAMES AI	Pacific Telephone
1964	JAMES AL	Pacific Telephone
1960	JAMES AL	Pacific Telephone
1957	JAMES AL	Pacific Telephone
1954	CATTANI ARNOLD	R. L. Polk & Co.

8 THE STRAND

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	HOSACKGrant	Haines & Company, Inc.
1964	BEACH ALICE M	Pacific Telephone
1960	HUNTER R EARLE	Pacific Telephone

FINDINGS

THREE PALMS DR

THREE PALMS DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	EVITT EDDIE	Pacific Telephone

YACHT CLUB WAY

120 YACHT CLUB WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	SCHIRLELeslie	Haines & Company, Inc.
1964	WILLIAMS MARINE BOAT MTCE	Pacific Telephone

202 YACHT CLUB WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

208 YACHT CLUB WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	KING HARBOR AFTS BARKER Russell	Haines & Company, Inc.
	KING HARBOR AFTS BARKER Russell	Haines & Company, Inc.

211 YACHT CLUB WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	HARBOR COVEAPTS AOAMESFernando	Haines & Company, Inc.
	HARBOR COVEAPTS AOAMESFernando	Haines & Company, Inc.
1970	BYRD KERRY ANDREW	Pacific Telephone
	MITCHELL JAS CURRIE	Pacific Telephone
	DICK J M	Pacific Telephone
	STENDERUP JAS K	Pacific Telephone
	ANTIOCH RIK	Pacific Telephone
	BALL KENNETH W	Pacific Telephone
	BALLARD DONALD T	Pacific Telephone
	BARETOW JESSE	Pacific Telephone
	BEDROSIAN LESLIE	Pacific Telephone
	BERMAN PAUL H	Pacific Telephone
	BOLEN DONNA	Pacific Telephone
	BOND LLEWELLYN	Pacific Telephone
	BRIGGS ROD	Pacific Telephone
	BYERS P	Pacific Telephone
	CALABRESE LARRY	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	CARR JACQUELINE	Pacific Telephone
	CARTER STEPHEN	Pacific Telephone
	CERA DARRYL	Pacific Telephone
	CHAFFEE EDW M JR	Pacific Telephone
	CHRISTENSEN G H	Pacific Telephone
	CIRCLE ROY	Pacific Telephone
	COLLETTE JOS	Pacific Telephone
	COOPER BEN	Pacific Telephone
	DALE DAVID	Pacific Telephone
	DRABENSTOT WII	Pacific Telephone
	EHRHARDT ERICH J	Pacific Telephone
	FEID PHILIP	Pacific Telephone
	FLICKINGER RUTH H MRS	Pacific Telephone
	FORAKER TIMOTHY H	Pacific Telephone
	GANDRUD S GARFIELD	Pacific Telephone
	GARNER MICHAEL L	Pacific Telephone
	GOLDBERG RICHARD DR	Pacific Telephone
	GRAYSON SIDNEY A	Pacific Telephone
	HAGGARD WAYNE L	Pacific Telephone
	KORMOS JOHN	Pacific Telephone
	KOVACEVICH JOHN J	Pacific Telephone
	LIPKIN ROBT B	Pacific Telephone
	MAYFIELD WM H	Pacific Telephone
	MCNEIL WM C	Pacific Telephone
	MULLEN ROBT L	Pacific Telephone
	NETKA DAVID	Pacific Telephone
	O BRIEN BARBARA	Pacific Telephone
	OURSLER SYBEILA	Pacific Telephone
	PALMER DON	Pacific Telephone
	PORTER BYRON R	Pacific Telephone
	PORTER FERN W	Pacific Telephone
	PUCKETT PATRICIA T	Pacific Telephone
	REA JOHN C JR	Pacific Telephone
	RICHARD ANDREE	Pacific Telephone
	RIPPNER THOS F	Pacific Telephone
	SCHERNER ROBT C	Pacific Telephone
	SHAAL ROBT K	Pacific Telephone
	SOUPLY A J	Pacific Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1970	STANISKIS PAT	Pacific Telephone
	STORTS M	Pacific Telephone
	THROOP D N	Pacific Telephone
	HAINES GERALD L	Pacific Telephone
	HARRIS EARLE B	Pacific Telephone
	HARRIS TEX MRS	Pacific Telephone
	HECHT EDW F	Pacific Telephone
	HERBST MARY	Pacific Telephone
	HIGGINS ALFRED	Pacific Telephone
	HOLMES HENRY JR	Pacific Telephone
	INMAN WM R	Pacific Telephone
	IRWIN CHAS F DR	Pacific Telephone
	KAUFMAN ERNEST	Pacific Telephone
	KLEIN STEPHEN	Pacific Telephone

212 YACHT CLUB WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	COSMOTRADING	Haines & Company, Inc.

213 YACHT CLUB WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.

214 YACHT CLUB WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	XXXX	Haines & Company, Inc.
	APARTMENTS	Haines & Company, Inc.
	APARTMENTS	Haines & Company, Inc.
	XXXX	Haines & Company, Inc.

231 YACHT CLUB WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	CHART HOUSE	Haines & Company, Inc.
1970	CHART HOUSE THE RESTRNT	Pacific Telephone

280 YACHT CLUB WAY

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	KING HARBOR YACHT	Haines & Company, Inc.
1970	KING HARBOR YACHT CLUB	Pacific Telephone
1964	KING HARBOR YACHT CLUB	Pacific Telephone

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

1100 North Harbor Drive

Address Not Identified in Research Source

2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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

THREE PALMS DR

Address Not Identified in Research Source

2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

028 HERMOSA AVE

2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

040 THE STRAND

2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

1 HERMOSA AVE

2006, 2004, 2003, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

1 MONTEREY BLVD

2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

1 PALM DR

2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

10 LYNDON ST

2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

100 MONTEREY BLVD

2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

APPENDIX I
EDR BUILDING PERMIT REPORT

AES Redondo Plant

1100 North Harbor Drive
Redondo Beach, CA 90277

Inquiry Number: 3199395.11
November 02, 2011

EDR Building Permit Report

Target Property and Adjoining Properties

EDR Building Permit Report: Search Documentation

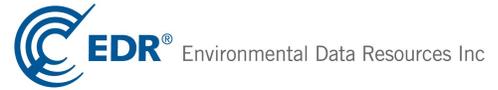
11/02/11

Site Name:

AES Redondo Plant
1100 North Harbor
Redondo Beach, CA

Client Name:

Env. Management Strategies
16510 Aston Street
Irvine, CA 92606-0000



EDR Inquiry # 3199395.11

Contact: Mark Jirgal

Search Documentation

DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 11/02/11, EDR does not have access to building permits in the city where your target property is located (Redondo Beach, CA).

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting 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 1527-05), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-05 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records – The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquiries (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.



APPENDIX J
LOCAL AGENCY RECORDS



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Equipment List

Facility ID 115536
Company Name AES REDONDO BEACH, LLC
Address 1100 N. HARBOR DR
 REDONDO BEACH, CA 90277

Appl_Nbr	Permit_Status	Eq_Type	Equip_Description	Appl_Date	Appl_Status
526784		Basic	TV/RECLAIM REVISION-NOEVAL	8/31/2011	ASSIGNED TO ENGINEER - CLASS III
517404		Basic	FACILITY PERMIT AMEND-RECLAIM/TITLE V	12/17/2010	BANKING/ PLAN GRANTED
511883	ACTIVE	Basic	BOILER (< 2 mmBTU/HR) OIL FIRED	6/18/2010	PERMIT TO OPERATE GRANTED
504055	ACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	11/13/2009	PERMIT TO OPERATE GRANTED
504054	ACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	11/13/2009	PERMIT TO OPERATE GRANTED
504056		Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	11/13/2009	APPLICATION REJECTED
503321		Basic	TITLE V PERMIT ADMIN-AMENDMENT	10/28/2009	BANKING/ PLAN GRANTED
470718		Basic	TITLE V PERMIT ADMIN-AMENDMENT	6/14/2007	BANKING/ PLAN GRANTED
426093		Basic	TITLE V PERMIT RENEWAL APPLICATION	2/13/2004	BANKING/ PLAN GRANTED
408720	ACTIVE	Basic	BOILER UTILITY (>50 MW)	11/13/2002	PERMIT TO OPERATE GRANTED
408717	ACTIVE	Basic	BOILER UTILITY (>50 MW)	11/13/2002	PERMIT TO OPERATE GRANTED
408719	ACTIVE	Basic	BOILER UTILITY (>50 MW)	11/13/2002	PERMIT TO OPERATE GRANTED
408714	ACTIVE	Basic	BOILER UTILITY (>50 MW)	11/13/2002	PERMIT TO OPERATE GRANTED
408716	ACTIVE	Basic	BOILER UTILITY (>50 MW)	11/13/2002	PERMIT TO OPERATE GRANTED
408712		Basic	FACILITY PERMIT AMEND-RECLAIM/TITLE V	11/13/2002	BANKING/ PLAN GRANTED
408713		Basic	I C E (50-500 HP) EM FIRE FGHT-GASOLINE	11/13/2002	APPLICATION CANCELLED
397732		Basic	R2009-POWER FAC PLANS	1/15/2002	BANKING/ PLAN GRANTED
390640		Basic	R2009-POWER FAC PLANS	9/5/2001	APPLICATION DENIED
376877	ACTIVE	Basic	STORAGE TANK W/ VAPOR CONTROL AMMONIA	11/15/2000	PERMIT TO OPERATE GRANTED
376879	ACTIVE	Control	SELECTIVE CATALYTIC REDUCTION	11/15/2000	PERMIT TO OPERATE GRANTED
376881	ACTIVE	Control	SELECTIVE CATALYTIC REDUCTION	11/15/2000	PERMIT TO OPERATE GRANTED
376874		Basic	Title V Permit Revision	11/15/2000	BANKING/ PLAN GRANTED
376878		Basic	BOILER UTILITY (>50 MW)	11/15/2000	APPLICATION CANCELLED
377786		Basic	BOILER UTILITY (>50 MW)	11/3/2000	APPLICATION CANCELLED
373865		Basic	Title V Permit Revision	9/7/2000	BANKING/ PLAN GRANTED



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Equipment List

Facility ID 115536
Company Name AES REDONDO BEACH, LLC
Address 1100 N. HARBOR DR
 REDONDO BEACH, CA 90277

Appl_Nbr	Permit_Status	Eq_Type	Equip_Description	Appl_Date	Appl_Status
372936		Control	NOx CONTROL-BOILER >50 MMBTU/HR	7/25/2000	APPLICATION CANCELLED
340556		Basic	INITIAL TITLE V PERMIT APPLICATION	5/15/1998	BANKING/ PLAN GRANTED
339761	INACTIVE	Basic	BOILER UTILITY (>50 MW)	2/27/1998	PERMIT TO OPERATE GRANTED
339762	INACTIVE	Basic	BOILER UTILITY (>50 MW)	2/27/1998	PERMIT TO OPERATE GRANTED
339769	INACTIVE	Basic	BOILER UTILITY (>50 MW)	2/27/1998	PERMIT TO OPERATE GRANTED
339767	INACTIVE	Basic	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	2/27/1998	PERMIT TO OPERATE GRANTED
339768	INACTIVE	Basic	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	2/27/1998	PERMIT TO OPERATE GRANTED
339763	INACTIVE	Basic	I C E (50-500 HP) EM FIRE FGHT-GASOLINE	2/27/1998	PERMIT TO OPERATE GRANTED
339766	INACTIVE	Basic	SERV STAT STORAGE & DISPENSING GASOLINE	2/27/1998	PERMIT TO OPERATE GRANTED
339764	ACTIVE	Basic	STORAGE TANK AMMONIA	2/27/1998	PERMIT TO OPERATE GRANTED
339760	ACTIVE	Control	SELECTIVE CATALYTIC REDUCTION	2/27/1998	PERMIT TO OPERATE GRANTED
339759	ACTIVE	Control	SELECTIVE CATALYTIC REDUCTION	2/27/1998	PERMIT TO OPERATE GRANTED

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Compliance

Facility ID 115536
Company Name AES REDONDO BEACH, LLC
Address 1100 N. HARBOR DR
 REDONDO BEACH, CA 90277

Notices Of Violation

Notice Number	Notice Issue Date	Violation Date	Disposition Date	Disposition
P52177	5/25/2011	1/1/2010		
P55513	12/4/2009	4/22/2008	4/20/2010	Cancelled
P43494	8/31/2006	8/9/2006	3/20/2007	Closed Case
P28068	4/13/2001	11/17/1999	8/21/2002	Closed Case
P37110	5/30/2003	3/2/2003	5/31/2005	Closed Case
P55516	6/15/2010	4/3/2009	10/28/2010	Closed Case
P28719	9/5/2001	1/1/1999	8/21/2002	Closed Case
P51953	8/14/2008	7/4/2008	12/5/2008	Closed Case
P37136	10/25/2005	1/1/2003	5/23/2006	Closed Case
P37113	6/4/2003	1/1/2003	5/31/2005	Closed Case
P37100	1/29/2002	1/1/2000	8/15/2002	Rejected

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Notices To Comply

Notice Number	Violation Date	Re-Inspection Date	Status
D04855	1/19/2007	12/18/2007	In Compliance
D21309	10/1/2009	1/5/2011	In Compliance
E00713	1/1/2010	3/8/2011	In Compliance

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NOV/NC Details

Notice Number P52177 Violation Date 1/1/2010 Issue Date 12/31/9999 Notice Type NOV

Facility ID 115536
 Company Name AES REDONDO BEACH, LLC
 Address 1100 N. HARBOR
 REDONDO BEACH, CA 90277

Violation Description The facility failed to maintain the ammonia flow rate between 0 and 100 lbs per hour.

Equipment Description D20 (C79) and D23 (C81)

Follow Up Status **In Compliance**

Disposition

Disposition Date

Rule No.	Rule Description
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NOV/NC Details

Notice Number: P55513 Violation Date: 4/22/2008 Issue Date: 4/20/2010 Notice Type: NOV

Facility ID: 115536
 Company Name: AES REDONDO BEACH, LLC
 Address: 1100 N. HARBOR
 REDONDO BEACH, CA 90277

Violation Description: submitted inaccurate qcer and apep in the 2008 compliance year.

Equipment Description:

Follow Up Status:

Disposition: **Cancelled**

Disposition Date: 4/20/2010

Rule No.	Rule Description
2004	Requirements

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NOV/NC Details

Notice Number P43494 Violation Date 8/9/2006 Issue Date 3/20/2007 Notice Type NOV

Facility ID 115536
 Company Name AES REDONDO BEACH, LLC
 Address 1100 N. HARBOR
 REDONDO BEACH, CA 90277

Violation Description Operator exceeded permitted NOx emission limit of 7 PPMV averaged over 720 hours.

Equipment Description

Follow Up Status **In Compliance**

Disposition **Closed Case**

Disposition Date 3/20/2007

Rule No.	Rule Description
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NOV/NC Details

Notice Number: P28068 Violation Date: 11/17/1999 Issue Date: 8/21/2002 Notice Type: NOV

Facility ID: 115536

Company Name: AES REDONDO BEACH, LLC

Address:

Violation Description: NOX EMISSIONS EXCEED ANNUAL ALLOCATION.

Equipment Description:

Follow Up Status: **In Compliance**

Disposition: **Closed Case**

Disposition Date: 8/21/2002

Rule No.	Rule Description
2004	Requirements

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NOV/NC Details

Notice Number: P37100 Violation Date: 1/1/2000 Issue Date: 8/15/2002 Notice Type: NOV

Facility ID: 115536
 Company Name: AES REDONDO BEACH, LLC
 Address:

Violation Description: FACILITY NOX EMISSIONS FOR 2000 COMPLIANCE YEAR EXCEEDED RTCS IN ACCOUNT.

Equipment Description:

Follow Up Status: **In Compliance**

Disposition: **Rejected**

Disposition Date: 8/15/2002

Rule No.	Rule Description
2004	Requirements

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NOV/NC Details

Notice Number P55516 Violation Date 4/3/2009 Issue Date 10/28/2010 Notice Type NOV

Facility ID 115536
 Company Name AES REDONDO BEACH, LLC
 Address 1100 N. HARBOR
 REDONDO BEACH, CA 90277

Violation Description Failure to electronically report daily mass emsns of NOX and daily staurs codes to distrct central Nox station for device 72 on 4/3/2009.

Equipment Description

Follow Up Status

Disposition **Closed Case**

Disposition Date 10/28/2010

Rule No.	Rule Description
2012	Requirements of MRR for NOx Emissions (RECLAIM)

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NOV/NC Details

Notice Number: P28719 Violation Date: 1/1/1999 Issue Date: 8/21/2002 Notice Type: NOV

Facility ID: 115536

Company Name: AES REDONDO BEACH, LLC

Address:

Violation Description: FACILITY NOX EMISSIONS FOR 1999 COMPLIANCE YEAR EXCEEDED RTCS IN ACCOUNT.

Equipment Description:

Follow Up Status: **In Compliance**

Disposition: **Closed Case**

Disposition Date: 8/21/2002

Rule No.	Rule Description
2004	Requirements

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NOV/NC Details

Notice Number P51953 Violation Date 7/4/2008 Issue Date 12/5/2008 Notice Type NOV

Facility ID 115536
 Company Name AES REDONDO BEACH, LLC
 Address 1100 N. HARBOR
 REDONDO BEACH, CA 90277

Violation Description Operator failed to submit a report within 96 hours after the monitoring device becomes non-operational.

Equipment Description

Follow Up Status

Disposition **Closed Case**

Disposition Date 12/5/2008

Rule No.	Rule Description
2012	Requirements of MRR for NOx Emissions (RECLAIM)



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NOV/NC Details

Notice Number: P37136 Violation Date: 1/1/2003 Issue Date: 5/23/2006 Notice Type: NOV

Facility ID: 115536

Company Name: AES REDONDO BEACH, LLC

Address:

Violation Description: NOx emissions from the beginning of the compliance year through the end of the last quarter exceeded the annual emissions allocation in effect at the end of the reconciliation period for that quarter.

Equipment Description:

Follow Up Status: **In Compliance**

Disposition: **Closed Case**

Disposition Date: 5/23/2006

Rule No.	Rule Description
2004	Requirements



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NOV/NC Details

Notice Number P37113 Violation Date 1/1/2003 Issue Date 5/31/2005 Notice Type NOV

Facility ID 115536

Company Name AES REDONDO BEACH, LLC

Address

Violation Description FACILITY FAILED TO PERFORM A RELATIVE ACCURACY TEST AUDIT (RATA) ON D72 (BOILER 17) WITHIN 6 MONTHS OF THE END OF THE CALENDAR QUARTER IN WHICH THE CEMS WAS LAST TESTED.

Equipment Description

Follow Up Status **In Compliance**

Disposition **Closed Case**

Disposition Date 5/31/2005

Rule No.	Rule Description
2012	Requirements of MRR for NOx Emissions (RECLAIM)

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NOV/NC Details

Notice Number: P37110 Violation Date: 3/2/2003 Issue Date: 5/31/2005 Notice Type: NOV

Facility ID: 115536

Company Name: AES REDONDO BEACH, LLC

Address:

Violation Description: OPERATOR FAILED TO SUBMIT TO THE EXECUTIVE OFFICER AND TO THE EPA AN ANNUAL COMPLIANCE CERTIFICATION FOR THE COMPLIANCE YEAR 2002 BY DUE DATE.

Equipment Description:

Follow Up Status: **In Compliance**

Disposition: **Closed Case**

Disposition Date: 5/31/2005

Rule No.	Rule Description
3004	Permit Types and Content (Title V)

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NOV/NC Details

Notice Number: D04855 Violation Date: 1/19/2007 Issue Date: 12/31/9999 Notice Type: NC

Facility ID: 115536

Company Name: AES REDONDO BEACH, LLC

Address:

Violation Description: Calibrate the ammonia flow meter, the temperature gauge of the boiler exhaust at the SCR inlet, and for the differential pressure gauge across the SCR catalyst bed.

Equipment Description:

Status: **In Compliance**

Re-inspection Date: 12/18/2007

Rule No.	Rule Description

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NOV/NC Details

Notice Number: D21309 Violation Date: 10/1/2009 Issue Date: 12/31/9999 Notice Type: NC

Facility ID: 115536
 Company Name: AES REDONDO BEACH, LLC
 Address: 1100 N. HARBOR
 REDONDO BEACH, CA 90277

Violation Description: submit accurate qcer's for 2009 and subsequent compliance years, submit accurate apeps for 2009 and subsequent compliance years.

Equipment Description

Status: **In Compliance**

Re-inspection Date: 1/5/2011

Rule No.	Rule Description
2004	Requirements

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NOV/NC Details

Notice Number: E00713 Violation Date: 1/1/2010 Issue Date: 3/8/2011 Notice Type: NC

Facility ID: 115536
 Company Name: AES REDONDO BEACH, LLC
 Address: 1100 N. HARBOR
 REDONDO BEACH, CA 90277

Violation Description: 1) Install non-resettable fuel totalizer or timer to R219 equipment. 2) Monitor, report and maintain records fro R219 equipment.

Equipment Description

Status: **In Compliance**

Re-inspection Date: 3/8/2011

Rule No.	Rule Description

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LOS ANGELES FIRE DEPARTMENT
UNDERGROUND TANKS REQUEST FOR FIRE PREVENTION RECORDS
ADDRESS: 221 NORTH FIGUEROA ST., 15TH FLR. STE. 1500
OFFICE# - 213/482-7115 NEW FAX# - 213/482-6529

PLEASE GIVE US 4 TO 5 BUSINESS DAYS TO HONOR YOUR REQUEST.

ONE ADDRESS ONLY - PER SHEET

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PHONE NO: (949) 679-9500 FAX NO: (949) 679-9501

NAME OF REQUESTER (PLEASE PRINT): Joyce Marina

REPRESENTING (COMPANY NAME): Environmental Management & Strategic

SIGNATURE: Joyce Marina DATE: 11/18/11

DRIVER LIC NO: CA 18132429 EXP: 09/17/15

ADDRESS FOR WHICH RECORDS ARE REQUESTED: 1100 Harbor Drive, Redondo Beach, Ca 90277

REASON FOR REQUEST: Phase I Environmental Assessment

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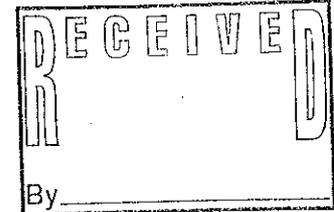
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Eleanor Manzano
City Clerk

415 Diamond Street, P.O. Box 270
Redondo Beach, California 90277-0270
www.redondo.org

tel 310 318-0656
fax 310 374-0220



December 5, 2011

Joyce Marino
Senior Geologist
Environmental Management Strategies, Inc.
16510 Aston Street
Irvine, CA 92618

RE: Public Records Act Request

Dear Ms. Marino:

This letter responds to your Public Records Act request dated November 9, 2011. A copy of your request is attached as Exhibit A. The City responds to your request as follows: Documents responsive to your requests may be viewed between 7:30 a.m. to 5:30 p.m., Monday through Friday, at the City Clerk's office located at City Hall, 415 Diamond Street, Redondo Beach, California 90277.

There are documents responsive to your request that are protected by the attorney-client privilege and attorney work product, and thus exempted from disclosure under the Public Records Act ("PRA") pursuant to Government Code § 6254(k). (see also Evidence Code §§ 952, 954.)

To the extent you want copies of any documents, the City will make them available upon payment of the City's copying costs of \$.10/page. Should you desire to have your own copy service copy the documents at the City office, please contact the City Clerk's Office, Records Management Coordinator, Ariana Kennedy. The City will not allow copying of any documents to occur off site.

The City is confident this letter is fully responsive to your PRA Request dated November 9, 2011. Please feel free to contact me directly if you would like me to assist in the scheduling of the inspection time at City Hall.

Sincerely,

Eleanor Manzano
City Clerk

ak/Enclosure

Sue Brown

From: Joyce Marino <jmarino@est-inc.com>
Sent: Wednesday, November 09, 2011 3:32 PM
To: Sue Brown
Subject: RE: AES Redondo Beach Power Generating Facility

Yes, we are interested in the period of time that AES has operated the facility. We have not yet received the specific date but I'm sure your city records will identify it.

Thanks,

Joyce Marino

Senior Geologist

Environmental Management Strategies, Inc.

16510 Aston Street

Irvine, CA 92618

Phone: (949) 679-9500 Ext.111

Fax: (949) 679-9501

Cell: (714) 469-4285

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From: Sue Brown [<mailto:Susan/Sue.Brown@redondo.org>]
Sent: Wednesday, November 09, 2011 2:48 PM
To: 'Joyce Marino'
Subject: RE: AES Redondo Beach Power Generating Facility

Joyce,

Do you have a time frame? AES took over in 1998.

From: Joyce Marino [<mailto:jmarino@est-inc.com>]
Sent: Wednesday, November 09, 2011 2:33 PM
To: Sue Brown
Cc: 'Mark Jirgal'; ashley.flores@goemsinc.com
Subject: AES Redondo Beach Power Generating Facility

Hi Susan;

As I told you via our phone conversation, we are currently conducting a Phase I Environmental Assessment for the AES Redondo Beach Power Generating Facility located at 1100 Harbor Drive, Redondo Beach, Ca .90277. We would like to review any records, reports, inspections or any other documents pertaining to environmental issues at this facility. Thank you in advance for any assistance you can provide to me in this matter.

Regards,

Joyce Marino

Senior Geologist

Environmental Management Strategies, Inc.

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Irvine, CA 92618

Phone: (949) 679-9500 Ext.111

Fax: (949) 679-9501

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APPENDIX K

ASTM E 1527-05 USER QUESTIONNAIRE

(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, as *user*,

(a.) Do you know the past uses of the *property*?

Response: Yes

(b.) Do you know of specific chemicals that are present or once were present at the *property*?

Response: Yes

(c.) Do you know of spills or other chemical releases that have taken place at the *property*?

Response: Yes

(d.) Do you know of any environmental cleanups that have taken place at the *property*?

Response: Yes

(6.) The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the *user* of this *ESA*, 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*?

Response: Yes, Subsurface investigation activities are ongoing.

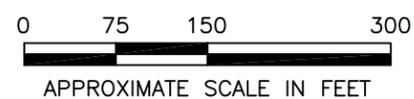
APPENDIX L

AES PLOT PLANS & SPCC REGULATED CONTAINERS & EQUIPMENT



LEGEND:

 BORING LOCATION



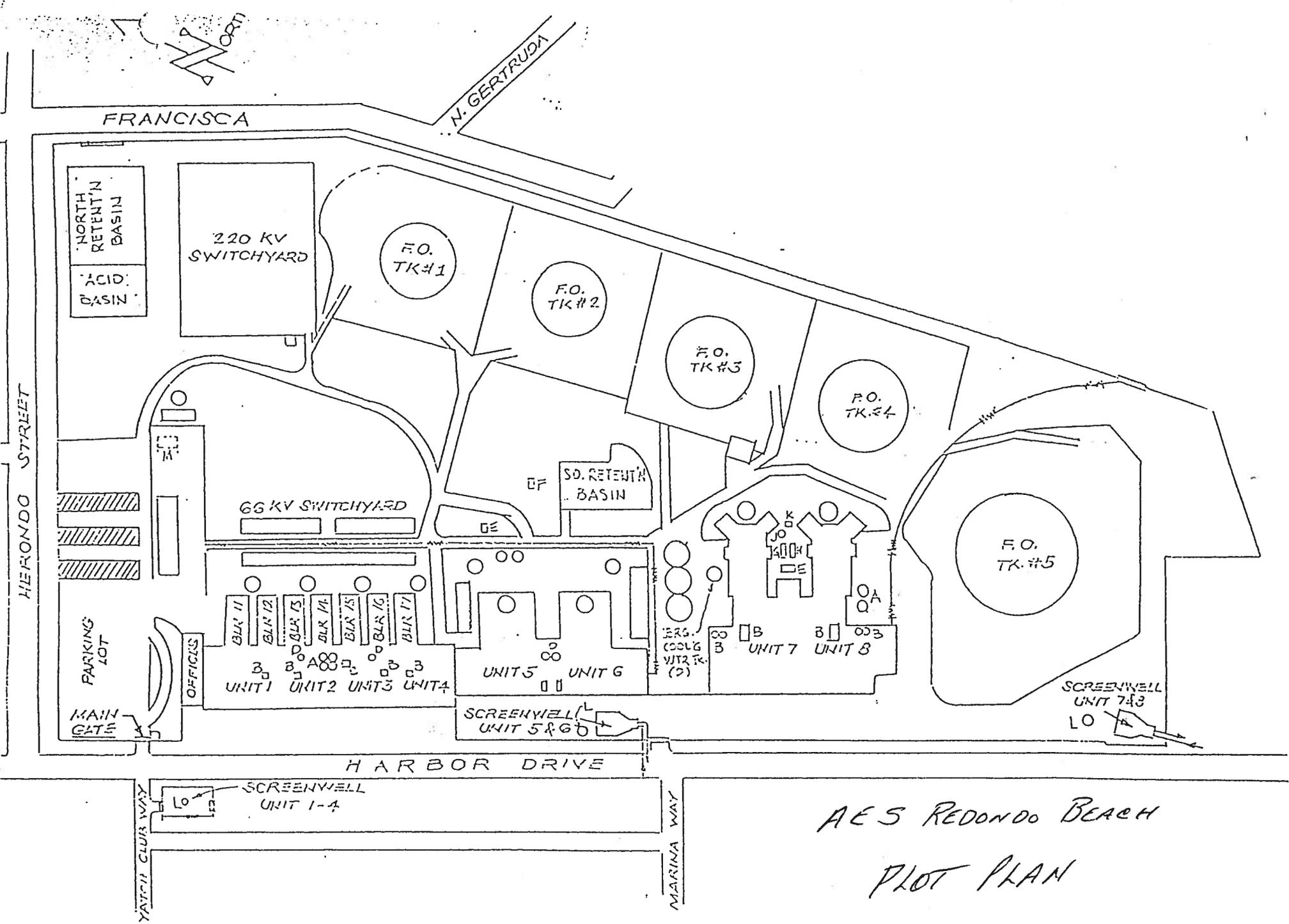
Site Name:
AES REDONDO BEACH
GENERATING STATION

STATION FACILITY MAP
WITH BORING LOCATIONS

Project No: 09-020-002

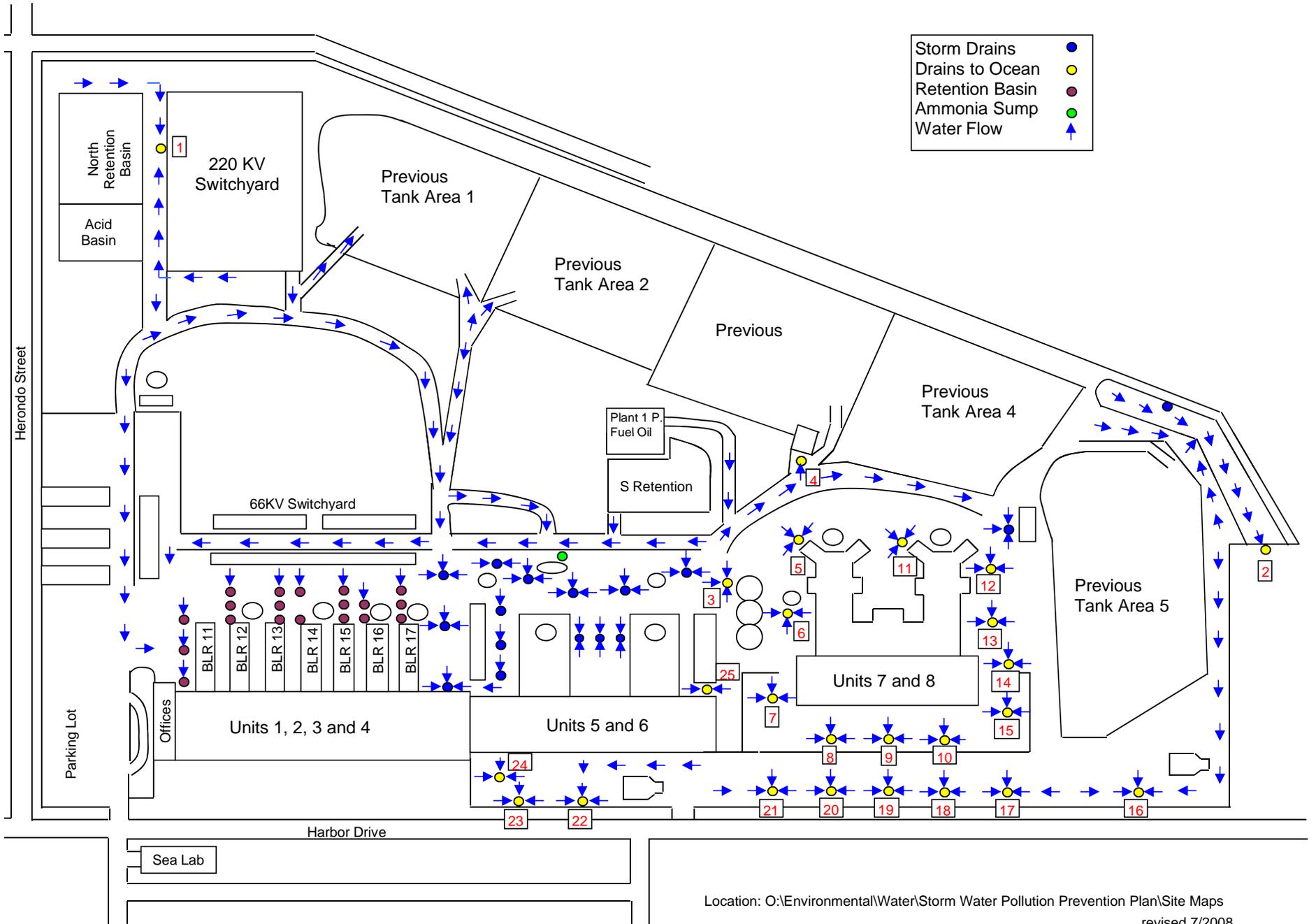
Date: JULY 2009

Figure 1-2

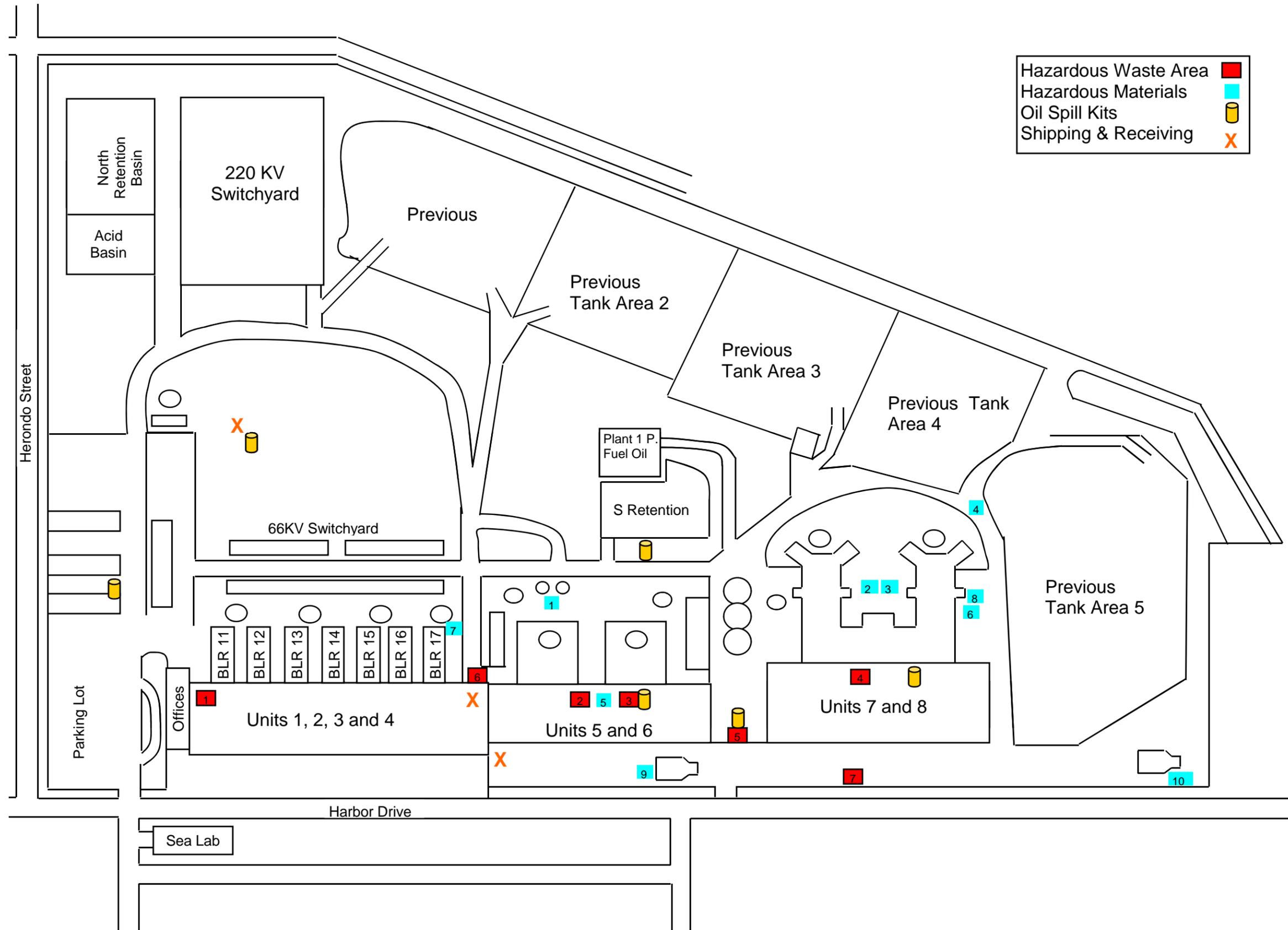


AES REDONDO BEACH
PLOT PLAN

Facility Site Map of AES Redondo Beach Storm Drains and Water Flow



Facility Site Map of AES Redondo Beach Hazardous Materials and Waste



Location: O:\Environmental\Water\Storm Water Pollution Prevention Plan\Site Maps

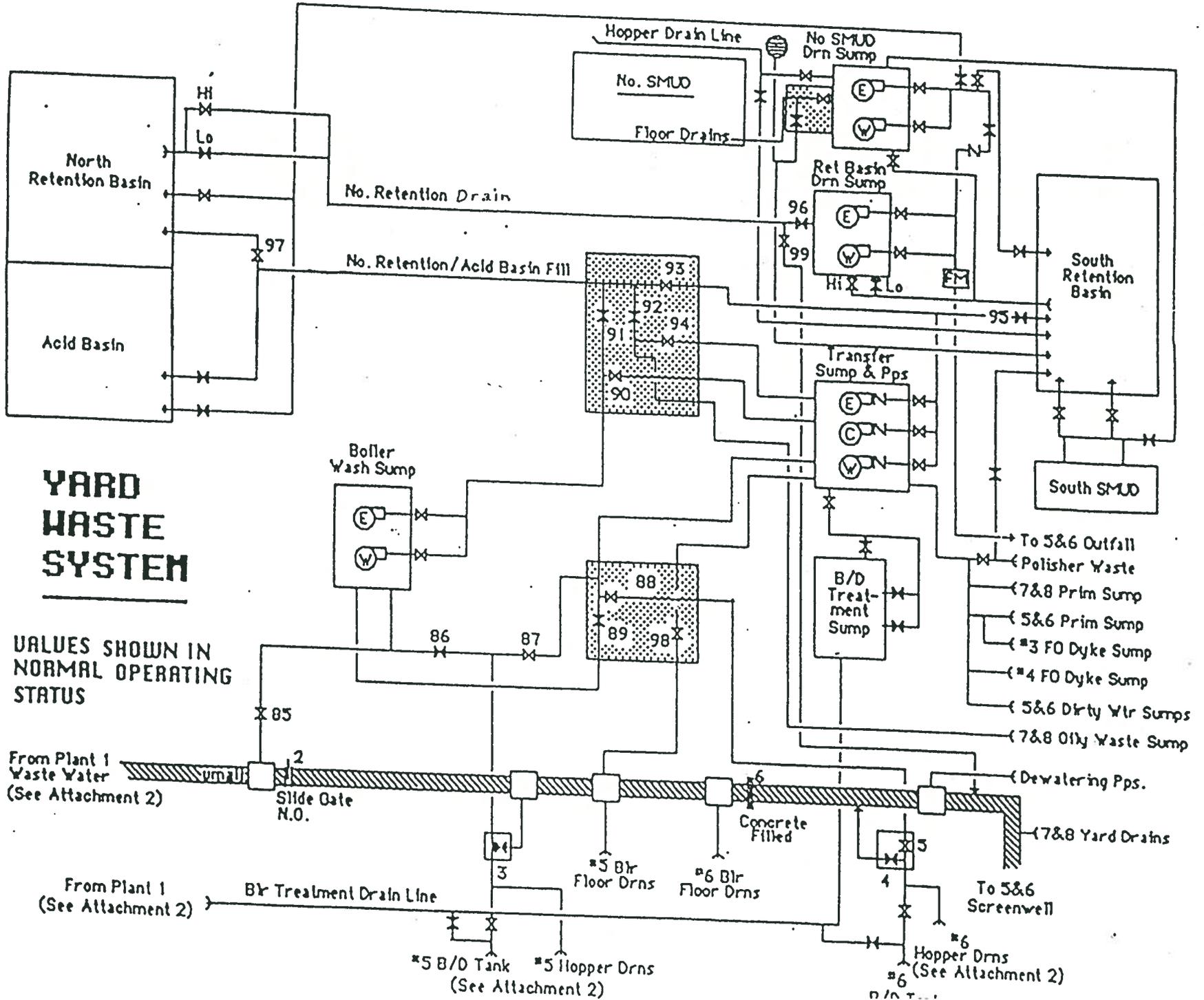
Facility Site Map of AES Redondo Beach

Hazardous Materials (Blue)

Site Number	Location	Chemical	Volume of Tank
1	West of Unit 5 on Ground Level	Ammonia	20,000 gal
2	Between 7/8 Boilers Ground Level	Caustic	5,000 gal
3	Between 7/8 Boilers Ground Level	Acid	5,000 gal
4	North End of Tank Area Number 5	Ammonia	20,000 gal
5	Beneath Control Room in Basement of 5/6	Elminox, Amine, TSP, and Nalco 8338	Totes Approx. 200 gal each
6	South Side of Unit 8	Lube Oil Storage Tank	1750 gal
7	Plant 1 South of Boiler 17	Nitrogen Tank	1500 gal
8	South Side of Unit 8	Nitrogen Tank	1500 gal
9	North 5/6 Screen Well Area	Sodium Hypochlorite Tank	1500 gal
10	South 7/8 Screen Well Area	Sodium Hypochlorite Tank	1500 gal

Oil Spill Kits (Yellow)

Site Number	Location
1	Lube Oil Dispensing Area by Satellite Accumulation Area #10
2	Hazardous Waste Accumulation Area
3	Lube Oil Storage Area
4	Units 5/6 Basement by Satellite Accumulation Area #3
5	Units 7/8 Ground Level by Satellite Accumulation Area #6 (by "B" MCC)
6	Number 1 Parking Garage Area



YARD WASTE SYSTEM

VALUES SHOWN IN NORMAL OPERATING STATUS

From Plant 1 Waste Water (See Attachment 2)

From Plant 1 B/R Treatment Drain Line (See Attachment 2)

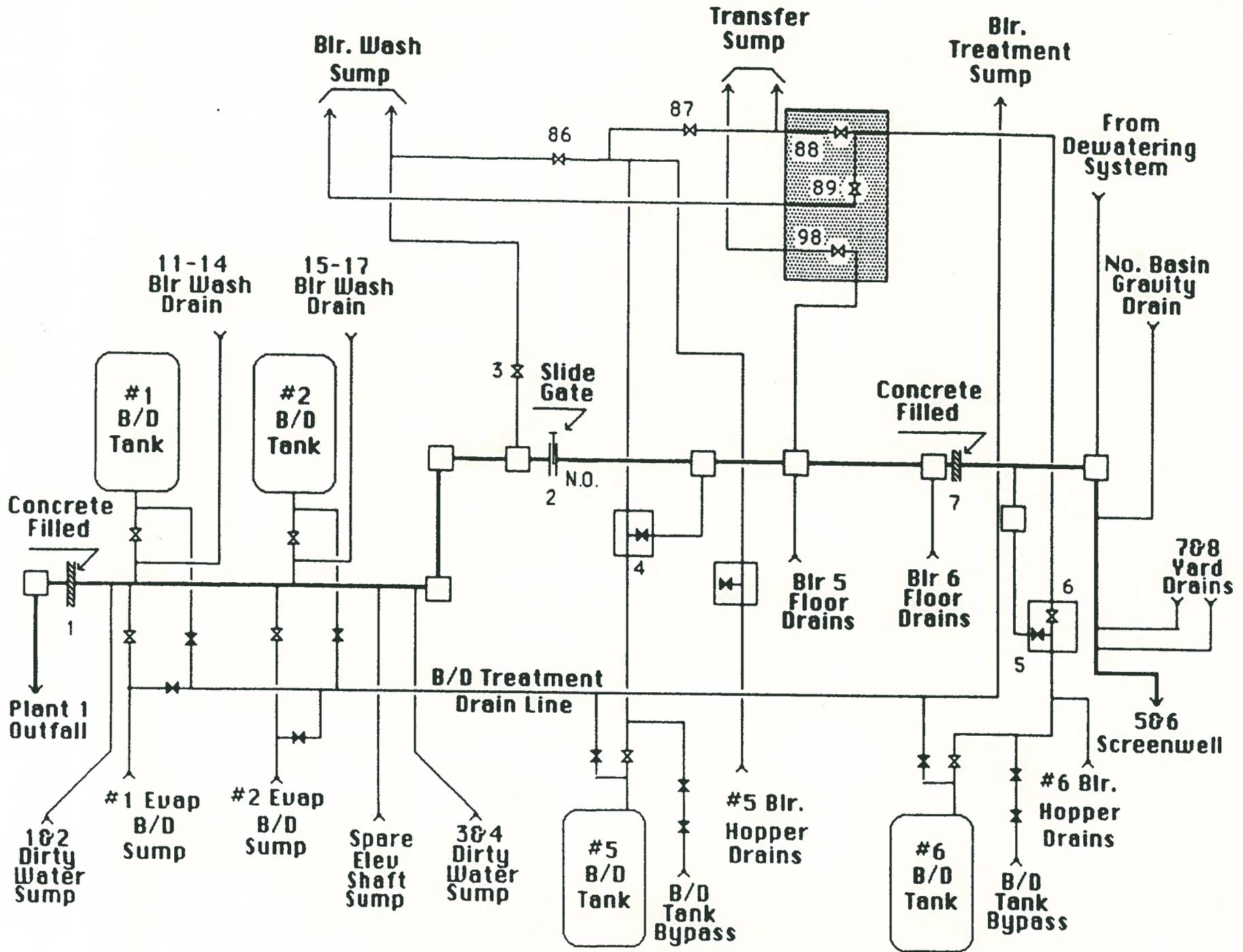
#5 B/O Tank #5 Hopper Drns (See Attachment 2)

#6 Hopper Drns (See Attachment 2)

- To 5&6 Outfall
- ← Polisher Waste
- ← (7&8 Prim Sump
- ← 5&6 Prim Sump
- ← #3 FO Dyke Sump
- ← #4 FO Dyke Sump
- ← 5&6 Dirty Wtr Sumps
- ← (7&8 Oily Waste Sump
- ← Dewatering Pps.
- ← (7&8 Yard Drains

n/a

BOILER 1-6 BLOWDOWN DRAINS



Redondo Generating Station
Revised 7-8-86

Operating Instruction R1-R2-R3-11-9
Attachment 2

Table 5-1: SPCC-Regulated¹ Containers & Equipment

Container or Equipment Type & Location	Oil Type	Oil Storage Capacity (gals)	Discharge/Drainage Controls; Secondary Containment; or Diversionary Means	Location / Comments
Bulk Storage Tanks – Fixed Aboveground				
Lubricating Oil Storage Tanks (OST) 1 through 4 (for Units 1 – 4)	Turbine oil	4,000 each	Single Wall Tanks: Drains to sump then to Retention Basin	Basement area between Units 2 & 3
Lubricating Oil Storage Tank OST-5 (for Unit 5)	Turbine oil	6,000	Single Wall Concrete Tank: Drains to sump then to Retention Basin	Basement area between Units 2 & 3 (west of Lube Oil Storage Tanks 1 – 4)
Lubricating Oil Storage Tanks OST-7 & 8 (for Units 7 & 8)	Turbine oil	15,750	Single Wall Tanks: Drains to yard drains then to Unit 5 & 6 Forebay	South outside of Unit 8 structure
Insulating Oil Tanks for Units 7 & 8 Bifurcators (BT) (two)	Mineral oil	1,250 each	Single wall tanks in cable houses on gravel area; paved area outside of gravel drains to yard drains then to Unit 5 & 6 Forebay	Gravel area east of Units 6 & 7
Used Oil and Water Tank - UOWT	Skimmed oil and water	500	Single wall PVC tank in concrete secondary containment	West of South Retention Basin. Calculated containment capacity = 4,864 gal.
Operational Equipment – Fixed Aboveground				
DEH Oil Systems (DEH) 7 & 8	Fyrquel EHC	200 each	In secondary containment. Unit drains lead to Retention Basin	Within Unit 7 & 8 structure (mezzanine outboard of 7 & 8 aux turbines)
Lubricating Oil Storage Reservoirs	Turbine oil	4,200 each	Unit drains lead to Retention Basin	Within Unit 5 & 6 structure

¹ Other oil-filled, but SPCC Plan exempt equipment operating at the facility includes oil storage in containers less than 55 gallon capacity (exempt per 40 CFR 112.1(d)(5)). Containers and systems over 55 gallon capacity but empty and maintained out-of-service exist at the facility but are not listed in the tables, nor identified on the facility diagrams.

Container or Equipment Type & Location	Oil Type	Oil Storage Capacity (gals)	Discharge/Drainage Controls; Secondary Containment; or Diversionary Means	Location / Comments
(LOR) 5 & 6				(ground floor)
Lubricating Oil Storage Conditioning Units (LOCU) 5 & 6	Turbine oil	5,900 each	Unit drains lead to Retention Basin	Within Unit 5 & 6 (mezzanine under each Unit)
Lubricating Oil Reservoir (LOR) 7 & 8	Turbine oil	10,000 ea	Unit drains lead to condenser sump pit. Can be pumped to Retention Basin	Within Unit 7 & 8 structure (ground floor)
Lubricating Oil Conditioning System (LOCU) 7 & 8	Turbine oil	2,550 gal ea	Unit drains lead to condenser sump pit. Can be pumped to Retention Basin	Within Unit 7 & 8 structure (ground floor)
Aux Turbine Reservoirs (ATR) 7 & 8 (two each)	Turbine oil	750 each	Unit drains lead to Retention Basin	Within Unit 7 & 8 structure (ground floor)
Aux Turbine Conditioning System (ATCS) 7 & 8 (two each)	Turbine oil	138 gal ea	Unit drains lead to Retention Basin	Within Unit 7 & 8 structure (ground floor)
Transformers				
Aux. Transformers (AT) for Units 1 – 4 (seven)	Mineral	1,480	Drains to yard drains then to Retention Basin	AT1-4 (A-G) on elevated concrete pad east of Units 1 – 4
Service Transformers (ST) for Units 1 – 4 (six)	Mineral	745	Roof drains to Retention Basin	ST1-4 (A-F) on Units 1 - 4 roof
Lighting Transformers (ST) for Units 1 – 4 (six)	Mineral	165	Roof drains to Retention Basin	LT1-4 (A-F) on Units 1 - 4 roof
Main Transformer (MT) Unit 5 (four)	Mineral	8,200 each	Gravel covered containment area	ABC and Spare outside north of Unit 5. Calculated containment capacity = 14,960 gal.
Service Transformer (ST) Unit 5 (one)	Mineral	593	Unit drains lead to condenser sump pit. Can be pumped to Retention Basin	Within Unit 5 & 6 structure (ground floor) in basement
Reserve Service Transformer (RST) Unit 5 & 6 (one)	Mineral	593	Unit drains lead to condenser sump pit. Can be pumped to Retention Basin	Within Unit 5 & 6 structure (ground floor) in basement

Container or Equipment Type & Location	Oil Type	Oil Storage Capacity (gals)	Discharge/Drainage Controls; Secondary Containment; or Diversionary Means	Location / Comments
Lighting Transformer (LT) Unit 5 (one)	Mineral	175	Unit drains lead to Retention Basin	Under Unit 5 Boiler
Reserve Lighting Transformer (RLT) Unit 5 & 6 (one)	Mineral	175	Unit drains lead to Retention Basin	Under Unit 5 Boiler
Reserve Aux. Transformer (RAT) Units 5 & 6 (one)	Mineral	3,595	Drains to yard drains then to Retention Basin	On concrete pad east Unit 4
Station Service Transformer (SST) Unit 6 (one)	Mineral	500	Unit drains lead to condenser sump pit. Can be pumped to Retention Basin	Unit 6 basement
Lighting Transformer (LT) Unit 6 (one)	Mineral	150	Unit drains lead to Retention Basin	Under unit 6 Boiler
Main Transformer (MT) Unit 6 (three)	Mineral	6,756 each	Gravel covered containment area	ABC outside south of Unit 6. Calculated containment capacity = 14,960 gal.
Aux. Transformer (AT) Unit 6 (one)	Mineral	2,530	Drains to yard drains then to Unit 5 & 6 Forebay	Paved area northwest of MT-6 A-C
Neutral Ground Reactor (NGR) Unit 5 - 8 (one)	Mineral	700	Drains to yard drains then to Unit 5 & 6 Forebay	East of MT-6 area east of Unit 6
HP Transformers (HPT) Units 7 & 8 (two)	Mineral	12,600	In secondary containment; Adjacent yard drains to Unit 5 & 6 Forebay	West of Units 7 & 8. Calculated containment capacity = 15,887 gal. each containment
LP Transformers (LPT) Units 7 & 8 (two)	Mineral	10,300		
Aux. Transformers (AT) Units 7 & 8 (two)	Mineral	2,730		
Spare Transformer (SpT) Unit 7 & 8 (one)	Mineral	8,270	Gravel covered area; paved area outside of gravel drains to yard drains then to Unit 5 & 6 Forebay	Gravel area east of Unit 7
Reserve Transformer (RT) Unit 7 & 8 (one)	Mineral	2,944	Drains to yard drains then to Unit 5 & 6 Forebay	Paved area north of Unit 7
Service Transformers (ST) Unit 7 & 8 (two)	Mineral	2,550	Drains to yard drains then to Unit 5 & 6 Forebay	West of 4 KV room

Container or Equipment Type & Location	Oil Type	Oil Storage Capacity (gals)	Discharge/Drainage Controls; Secondary Containment; or Diversionary Means	Location / Comments
Station Service Transformers (SST) Unit 7 & 8 (two)	Mineral	300	Drains to yard drains then to Unit 5 & 6 Forebay	West of Units 7 & 8 between HP/LT transformer containments
SCR Service Transformer (SCRT) Unit 7 (one)	Mineral	292	Secondary containment	East of Unit 7. Calculated containment capacity = 686 gal.
SCR Service Transformer (SCRT) Unit 8 (one)	Mineral	292	Secondary containment	East of Unit 8. Calculated containment capacity = 686 gal.
Drum Storage Areas				
New Product DSA-1	Petroleum oils and other petroleum products	55	Secondary containment.	East of Units 5 & 6. 45 drum capacity. Covered area calculated containment capacity = 2,805 gal.
Oily Debris DSA-2	Variable – oily solids	55	Drains to yard drains then to Unit 5 & 6 Forebay	East of Unit 1. Five drum capacity.
Used Oil DSA-3	Used petroleum oil	55	Drains to yard drains then to Unit 5 & 6 Forebay	East of Unit 1. Five drum capacity.
Used Oil and Oily Water DSA-4	Used petroleum oil	55	Secondary containment	West of South Retention Basin. 30 drum capacity. Calculated containment capacity = 4,864 gal.
Oil & Water DSA-5	Petroleum oil and water	55	Drains to yard drains then to Unit 5 & 6 Forebay	East of Unit 1. Five drum capacity.

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