

DOCKETED

Docket Number:	13-AFC-01
Project Title:	Alamitos Energy Center
TN #:	201494-10
Document Title:	AEC AFC Appendix 5.14A Phase I Environmental Site Assessment
Description:	N/A
Filer:	Sarah Madams
Organization:	CH2M HILL
Submitter Role:	Applicant Consultant
Submission Date:	12/27/2013 10:49:55 AM
Docketed Date:	12/27/2013

Appendix 5.14A
Phase 1 Environmental Site Assessment

**PHASE I ENVIRONMENTAL
SITE ASSESSMENT**

**ALAMITOS ELECTRICAL POWER PLANT
690 NORTH STUDEBAKER ROAD
LONG BEACH, CA**



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

MARCH 2013

TECHNICAL REPORT

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**ALAMITOS ELECTRICAL POWER PLANT
690 North Studebaker Road
LONG BEACH, CA**

MARCH 2013

ENVIRONMENTAL MANAGEMENT STRATEGIES, INC.

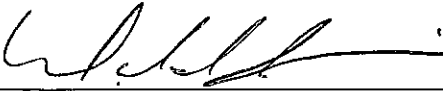
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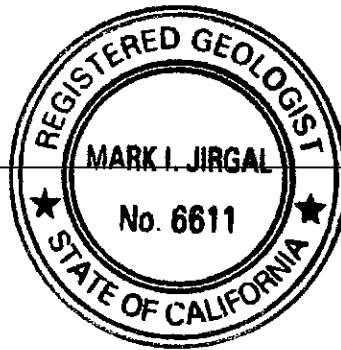
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CERTIFICATION

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.

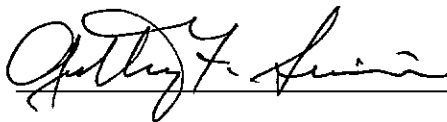


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Table of Contents

1	Executive Summary	1
1.1	Background	1
1.2	Scope of Work.....	1
1.3	Results of Investigation	2
2	Introduction	6
2.1	Purpose.....	6
2.1.1	Special Terms and Conditions.....	6
2.1.2	Methodology.....	7
2.2	Site Description.....	8
2.2.1	Site Location.....	8
2.2.2	Site and Vicinity Characteristics	8
2.2.3	Description of Structures, Roads and other Improvements.....	8
2.2.4	Information Reported by Property Engineers.....	8
2.2.5	Current Uses of the Property	9
2.2.6	Past Uses of the Property	9
2.2.7	Past and Current Uses of Adjoining Properties	9
2.3	Records Review.....	9
2.3.1	Standard Environmental Records Sources: Federal, State, Tribal and Local.....	9
2.3.2	Physical Setting Sources.....	13
2.3.3	Historical Use Information	14
2.3.3.1	Sanborn® Fire Insurance Map Review	14
2.3.3.2	Historical USGS Topographic Map Review.....	14
2.3.3.3	Aerial Photograph Review	14
2.3.3.4	City Directory Abstract	15
2.3.3.5	Building Permit Report	15
2.3.4	Previous Environmental Reports	15
2.3.5	Additional Record Sources.....	20
2.3.6	ASTM E 1527-05 User Questionnaire	23
2.4	Information from Site Reconnaissance and Interviews.....	23
2.4.1	Hazardous Substances in Connection with Identified Uses	27
2.4.2	Other Hazardous Substances and Unidentified Substance Containers.....	27
2.4.3	Storage Tanks	27
2.4.4	Indications of Polychlorinated Biphenyls (PCBs).....	27

2.4.5	Indications of Solid Waste Disposal.....	27
2.4.6	Physical Setting Analysis, if Migrating Substances are an Issue	27
2.4.7	Indications of Asbestos Containing Material (ACM).....	28
2.4.8	Radon Accumulation Potential.....	28
2.4.9	Indications of Lead Based Paint	29
3	Data Gaps.....	30
4	Findings and Conclusions.....	31
5	Bibliography	35
5.1	Supplemental Bibliography.....	36

Figures

Figure 1	Site Location Map
Figure 2	Site Map

Photographs

Appendices

Appendix A	Qualifications of Environmental Professionals
Appendix B	EDR Radius Map™ with GeoCheck®
Appendix C	EDR Environmental LienSearch™ Report
Appendix D	EDR Property Tax Map Report
Appendix E	Certified Sanborn® Map Report
Appendix F	EDR Historical Topographic Map Report
Appendix G	EDR Aerial Photo Decade Package
Appendix H	EDR City Directory Abstract
Appendix I	EDR Building Permit Report
Appendix J	Local Agency Records
Appendix K	ASTM E 1527-05 User Questionnaire
Appendix L	AES Plot Plans and Petroleum Products List

1 Executive Summary

Environmental Management Strategies, Inc. (EMS) is pleased to present this Phase I Environmental Site Assessment (Phase I ESA) for the AES Alamitos electrical power plant located at 690 North Studebaker Road, in the City of Long Beach, Los Angeles County, California 90803-2221 (the “site”, see Figures 1 and 2). AES North American Development, LLC (AES) retained EMS on December 19, 2012 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”.

AES previously retained EMS on October 24, 2011 to perform a Phase I ESA for the site. Results of this investigation were presented in EMS’ *Phase I Environmental Site Assessment, Alamitos Electrical Power Plant* (Previous Phase I ESA), dated February 15, 2012. In addition to new information, this report re-presents findings included in our Pervious Phase I ESA.

1.1 Background

The site is currently occupied by an AES electrical power plant formerly operated by Southern California Edison (SCE). The AES Alamitos 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 reviewed previous reports documenting environmental conditions at the site. This included the Previous Phase I ESA completed by EMS during February 2012 and reports provided to EMS by Ms. RaNae Loveland, Environmental Coordinator with AES.
- EMS previously 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 early 1900’s to the present.
- 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 County Public Works Department (LACPWD). EMS previously contacted the Los Angeles Fire

Department (LAFD) and the City of Long Beach Department of Health and Human Services (LBDHHS).

- 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 January 11, 2013. During the site inspection, EMS interviewed Mr. Sid Phan, Plant Engineer with AES.
- EMS interviewed Mr. Randall Weidner, Environmental Project Manager with SCE.
- During EMS’ Previous Phase I ESA, EMS interviewed Mr. Mike Linares, Environmental Coordinator with AES, Mr. Steven Maghy, Environmental Manager with AES, Mr. Randall Weidner, Environmental Project Manager with SCE, and Mr. Patrick Hamilton, SCE’s consultant.

1.3 Results of Investigation

EMS performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the AES Alamitos electrical power plant located at 690 North Studebaker Road, in the City of Long Beach, Los Angeles County, California. Any exception to, or deletions from, this practice are described in Section 3 of this report. The concerns noted during the performance of EMS’ Previous Phase I ESA in 2012 still apply as of the date of this report. Additional information and concerns uncovered during this investigation are presented at the end of this section. EMS’ Previous Phase I ESA revealed no evidence of *Recognized Environmental Conditions*, *Historical Recognized Environmental Conditions* or *De Minimis Conditions* in connection with the site with the following exceptions:

- Historical sources indicate the site may have been utilized for agriculture. Detectable levels of agricultural chemicals, such as fertilizers and pesticides, may be present in the subsurface. Generally these chemicals would not be detected at concentrations that would present an environmental concern to the site unless a specific facility existed where these chemicals were used or handled in a manner that would result in the accumulation of higher concentrations. No such facility was identified on historical use sources with the following exceptions: Small structures that appear to be farm houses and associated outbuildings were observed in the general area of Units 3 and 4 prior to construction of the power plant. In the event soil becomes exposed in this area due to decommissioning of Units 3 and 4, EMS recommends sampling soils in this area for agricultural chemicals.
- The site was previously fueled by petroleum fuel oil. Above-ground storage tanks (ASTs) previously associated with the site are known to have impacted shallow soil with petroleum hydrocarbons. These ASTs are no longer part of the site; however, above-ground and underground fuel oil pipelines remain on the site. The presence of these pipelines represents a *Recognized Environmental Condition* in connection with the site.

- One large AST previously utilized to store jet fuel remains on the site. This was used to fuel jet engines formerly located in the Unit 7 Peaker building; however, these jet engines were removed from the site. The tank is no longer used but may contain residual fuel and water. Jet fuel was transferred from the tank to the Unit 7 Peaker building via underground pipelines. AES was unaware of any subsurface investigations of the tank or the pipelines in this area. The presence of this AST and associated pipelines represents a *Recognized Environmental Condition* in connection with the site.
- Groundwater underlying the site is known to be impacted by metals, volatile organic compounds (VOCs) 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 wastewater retention basins. These investigations are currently overseen by the DTSC. The presence of groundwater contamination represents a *Recognized Environmental Condition* in connection with the site.
- 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 with the following exception; perchloroethene (PCE, also referred to as tetrachloroethene), trichloroethene (TCE) and 1,1,1-trichloroethane (TCA) are apparently used at the site. These halogenated solvents, and their breakdown products, have been detected in groundwater underlying the site. The use of these VOCs 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. Oil spills were also reported in the pig launching area and a location where a pipeline crosses under the roadway near units #5 and #6. These spills were reported to have been cleaned up; however, some contamination was noted to remain due to limited access. 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 fuel oil represents a *Recognized Environmental Condition* in connection with the site.
- Transformers are currently reported to use non-polychlorinated biphenyl (PCB) containing mineral oil; however, PCB containing oil was used in the past. The former use of PCB containing oil represents a *Recognized Environmental Condition* in connection with the site.
- One underground storage tank (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 USTs, including a 550-gallon waste oil, 6,000-gallon diesel tank and

6,000-gallon gasoline tank were reportedly installed in 1986 and removed in April 2003. A closure letter dated May 13, 2003 from the Long Beach/Signal Hill Joint Powers Agency confirmed the satisfactory removal of the three tanks and issued a “no further action” statement. Based on this information, these three former USTs represent a *Historical Recognized Environmental Condition* in connection with the site.

- EDR’s Historical UST (HIST UST) listing identified over 25 HIST UST records for the site. The installation dates range from 1956 to 1982 and the contents are reported as unleaded product, product, waste oil and waste. Some records may be duplicate records or refer to waste contained in below-grade oil/water separators and/or clarifiers; however, a total of eleven are identified as containing product and two contain waste oil. The large number of additional records for USTs at the site without removal and closure documentation represents a *Recognized Environmental Condition* in connection with the site.
- One inactive permit for a “Spray Booth, Paint and Solvent” was identified for the site dated March 3, 1998. AES is unaware of the location of the former spray booth. The former use of a spray booth represents a *Recognized Environmental Condition* in connection with the site.
- EMS was informed that a trash dump is located in the southern portion of South Retention Basin that includes some asbestos waste. The presence of asbestos waste in this trash dump 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. Adjacent properties known or suspected of containing soil contamination include the adjacent ASTs formally associated with the site and now owned by Plains America and Tom Dean, the former hazardous waste site located at Loynes Drive and Studebaker Road to the northwest and the Dredged Materials Area south of the site and east of the Plains America ASTs. The contamination on these 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 the site.

EMS performance of this Phase I ESA during 2013 uncovered the following additional information and concerns:

- Recent sampling performed in 2012 detected PCBs within wastewater contained in the North Retention Basin. The wastewater was removed, the solids filtered, separated and stored in bins for subsequent disposal as hazardous material. EMS was informed the PCBs were believed to have originated in contaminated oil from the Unit 7 Peaker unit. The presence of PCBs within wastewater represents a *Recognized Environmental Condition* in connection with the site.
- Elevated levels of nickel were detected in well AW-33 near the Central Retention Basin. AES personnel was unsure of the source of the nickel, but indicated the source may be a corroded transfer line leading from the North Retention Basin that was found to be leaking. This pipeline was cut and replaced. EMS was previously informed that some nickel detected between the basins and the San Gabriel River channel may be from dredged materials. The elevated levels of nickel in well AW-33 may also be the result of these materials and a rising groundwater elevation. EMS recommends the elevated levels of nickel within AW-33 be investigated further.
- The discovery of damaged, leaking pipelines noted above, including pipelines that could potentially transport materials such as the PCB contaminated wastewater also noted above, represents a *Recognized Environmental Condition* in connection with the site.
- EMS was informed by SCE that the majority of additional soil and soil vapor investigation work, including soil matrix sampling along the fuel-oil pipelines, has been completed and that all work should be completed by the end of January 2013. EMS was also informed that formal reports would likely not be available for several months. SCE informed EMS that the soil vapor plume previously identified north of the Central Basin appears limited in extent and significantly degraded, and that residual gasoline from the removed USTs was detected adjacent to the electrical building (former auto shop). The review of final investigation reports is required for EMS to make a determination if these areas currently represent *Recognized Environmental Conditions*, *Historical Recognized Environmental Conditions* or *De Minimis Conditions* in connection with 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 Alamitos electrical power plant located at 690 North Studebaker Road, in the City of Long Beach, Los Angeles County, California 90803-2221 (the “site”, see Figures 1 and 2). AES North American Development, LLC (AES) retained EMS on December 19, 2012 to perform the Phase I ESA in support of AES’ application to the California Energy Commission (CEC) for upgrades to the current facility.

AES previously retained EMS on October 24, 2011 to perform a Phase I ESA for the site. Results of this investigation were presented in EMS’ *Phase I Environmental Site Assessment, Alamitos Electrical Power Plant* (Previous Phase I ESA), dated February 15, 2012. In addition to new information, this report re-presents findings included in our Previous Phase I ESA.

2.1 Purpose

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 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. Mr. Flores holds a Bachelor of Science degree in Environmental Science and has 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, Mr. Jirgal 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 reviewed previous reports documenting environmental conditions at the site. This included the Previous Phase I ESA completed by EMS during February 2012 and reports provided to EMS by Ms. RaNae Loveland, Environmental Coordinator with AES.
- EMS previously 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 early 1900's to the present.
- 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 County Public Works Department (LACPWD). EMS previously contacted the Los Angeles Fire Department (LAFD) and the City of Long Beach Department of Health and Human Services (LBDHHS).
- 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 January 11, 2013. During the site inspection, EMS interviewed Mr. Sid Phan, Plant Engineer with AES.
- EMS interviewed Mr. Randall Weidner, Environmental Project Manager with SCE.
- During EMS' Previous Phase I ESA, EMS interviewed Mr. Mike Linares, Environmental Coordinator with AES, Mr. Steven Maghy, Environmental Manager with AES, Mr. Randall Weidner, Environmental Project Manager with SCE, and Mr. Patrick Hamilton, SCE's consultant.

2.2 Site Description

The site currently consists of eight parcels of land totaling approximately 64.72 acres. The site is currently occupied by an AES electrical power plant formerly operated by Southern California Edison (SCE). The AES Alamitos facility is a natural gas fueled electrical power plant operated by AES since 1998.

2.2.1 Site Location

The site is located at 690 North Studebaker Road in the City of Long Beach, Los Angeles County, California 90803-2221. The site is comprised of land identified by several parcel numbers; however, the northern portion of the site lies largely within parcel number 7237-018-808 and the southern portion of the site lies largely within parcel number 7237-019-808.

2.2.2 Site and Vicinity Characteristics

The site is located in a mixed commercial/industrial and residential area within the City of Long Beach. The site is bordered to the north by a SCE switch yard and self storage facility, to the west by residential and undeveloped land across North Studebaker Road, to the south by a tank farm owned by Plains America, and to the east by a City of Los Angeles Department of Water and Power (LADWP) plant located across the San Gabriel River. The site also partially surrounds a former tank farm referred to as the Tom Dean property. The Tom Dean property was also previously owned by Plains America. The Tom Dean and Plains America tank farms were once part of the power plant when SCE operated the site utilizing fuel oil.

2.2.3 Description of Structures, Roads and other Improvements

The site currently consists of a natural gas fueled power plant operating six electrical power generating units. Each unit is comprised of a boiler, turbine and other support facilities. The site includes underground fuel-oil pipelines 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

During EMS' site visit, information regarding site operations was provided by Mr. Sid Phan, Plant Engineer with AES. During EMS' Previous Phase I ESA, information regarding site operations was provided by Mr. Mike Linares, Environmental Coordinator with AES and Mr. Steven Maghy, Environmental Manager with AES. Pertinent information provided by Mr. Phan, Mr. Linares and Mr. Maghy 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 SCE. The AES Alamitos facility is a natural gas fueled electrical power plant operated by AES since 1998.

2.2.6 Past Uses of the Property

Based on information reviewed by EMS during the performance of EMS' Previous Phase I ESA, the site was previously vacant undeveloped land possibly utilized for agricultural purposes prior to construction of the electrical power generating station in the mid 1950s.

2.2.7 Past and Current Uses of Adjoining Properties

Based on information reviewed by EMS during the performance of EMS' Previous Phase I ESA, the site vicinity was previously vacant undeveloped land possibly utilized for agricultural purposes prior to construction of residential neighborhoods to the west, the LADWP power plant to the east and other commercial/industrial businesses in the surrounding area.

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* 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 7237-019-808 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 LienSearchTM Report*, included in Appendix C. The *EDR Property Tax Map Report*, obtained during EMS Previous Phase I ESA, is included in Appendix D.

The site address of 690 North Studebaker Road was not identified on the NPL LIENS, LIEN2, US ENG CONTROLS, US INST CONTROLS, DEEDS or LIENS databases. No AULs were found for the site's parcel number of 7237-019-808. EDR's environmental lien search found a DTSC environmental lien against SCE dated January 31, 2012. The environmental lien appears related to on-going subsurface investigations regarding former SCE operations at the site including former operation of wastewater retention basins. The DTSC determined the draft closure demonstration report is technically complete and that SCE agreed to pay civil payments and reimburse the DTSC for violating provisions of the Hazardous Waste Control Law. The EDR report also indicates that title for the site is vested in AES Alamos, LLC and was received from the Southern California Edison Company on May 15, 1998. The EDR report also included groundwater monitoring reports and other documentation available from the DTSC's Envirostor website; however, the materials provided by EDR did not include a 1995 *Final Judgment Pursuant to Stipulation* between the DTSC and SCE which included the civil payments and reimbursement amounts (see Section 2.3.5).

During EMS' Previous Phase I ESA, EMS retained EDR to perform an environmental lien search for the site's parcel number of 7237-018-808. EDR's previous environmental lien search found no environmental liens or AULs for the site's parcel number of 7237-018-808.

The site address was listed under various names including Rosie the Riveter Charter High, Alamos Generating Station, AES Alamos Generating Station, LLC, AES Alamos LLC, So Cal Edison Co, SCE Alamos Generating Station, Edison O and M Services, SCE-Alamos Gen Sta-4 D/W O-C, J, Alamos Generating Station, EPTC Alamos, Alamos Pump Station, Alamos Pumping & Heating Facility, US Bureau Rec. Pilot Project, etc. Please note that EPTC refers to Edison Pipeline and Terminal Company, SCE's pipeline division. 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: Statewide SLIC Cases. The RWQCB's SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges;
- CORRACTS: Corrective Action Report. CORRACTS identifies hazardous waste handlers with RCRA corrective action activity; 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 database pertaining to regulatory enforcement actions:

- ENF: Enforcement Action Listing. A listing of RWQCB Enforcement Actions;
- EPA WATCH LIST: Lists cases requiring additional dialogue between EPA, state and local agencies regarding alleged violations.

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

- RCRA-Non-Gen (not a current generator of hazardous waste), 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.

The site address was also identified on the following database that summarizes records from other databases, but does 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.

A detailed review and summary of all the records identified by EDR for the site is not within the scope of this investigation. Below is a summary of environmental records pertaining to releases to the environment, not including air emissions.

Since 1995 eleven incidents at the site have been recorded by CHMIRS typically involving oil, fuel-oil and petroleum spills. Generally, the incidents were reported to the Long Beach Fire department by site personnel and were either contained at the site by berms, booms or where necessary by vacuum trucks.

Eight ERNS records were identified for the site and are duplicate reports of the CHMIRS records noted above.

The site has received one ENF notice and received a fine of \$84,000.00 for 28 eligible effluent violations and one late report. The fee was paid and the site is currently in compliance with the ongoing groundwater evaluation monitoring program.

The SLIC, CORRACTS and TOXIC PITs records appear to pertain to ongoing investigation activities to close wastewater retention basins that SCE had operated without a permit or other form of authorization from the DTSC and investigations for the fuel oil ASTs formerly associated with the site. Additional information regarding these activities is included in Sections 2.3.4 and 2.3.5.

The EDR report also has several records pertaining to USTs and ASTs at the site. The Statewide Environmental Evaluation and Planning System (SWEEPS) listing indicate one waste oil, one unleaded motor vehicle fuel and one aqua ammonia UST at the site as of 1993. The UST database lists a dual walled tank at the site address. EDR's HIST UST listing identifies over 25 HIST UST records. The installation dates range from 1956 to 1982 and the contents are reported as unleaded product, product, waste oil and waste.

One AST record was identified. Although the contents were not reported, this 296,752 gallon AST likely contained fuel oil or jet fuel.

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.

ALAMITOS TANK FARM, PUMPING &, EPTC ALAMITOS PARCEL 3-4 and EPTC – ALAMITOS reported at 692 Studebaker Road, were identified on the DTSC's ENVIROSTOR, AST, State and Tribal Voluntary Cleanup Sites and the DTSC's Deed Restriction (DEED) databases. Based on information contained in the DTSC's Envirostor database, this facility is actually located six miles west of the site in Long Beach harbor. Based on this information, this facility it does not appear to pose an environmental concern to the site.

Four records for solid waste facilities were apparently identified at or near the intersection of Studebaker Road and Loynes Drive. CITY DUMP & SALVAGE #4, STUDEBAKER-CERRITOS CHANNEL and STUDEBAKER-LOYNES DISPOSAL were identified on the WDS and Waste Management Unit Database System (WMUD/SWAT) databases. All four records were identified to be 1/8- to 1/4- mile west-southwest of the site. Based on information contained in the EDR report, these records appear to pertain to land southwest of the intersection of Studebaker Road and Loynes Drive. This land is separated from the site by the Tom Dean and Planes America properties as well as the southern inlet channel. Based on this information, these four records do not appear to pose an environmental concern to the site.

The EDR report also identifies “orphan” facilities that, due to poor or inadequate address information, could not be accurately mapped. Twenty such facilities were identified. Seven additional ERNS records were identified and listed as Alamitos Bay with the exception of one which was listed as 205 Marina Drive. Addresses were not listed with these records with the exception of 205 Marina Drive. Although a detailed review of all these facilities is not within the scope of this report, based on the lack of addresses and the distance of the 205 Marina Drive facility it does not appear these records pose a potential 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 and/or water. 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

During EMS’ Previous Phase I ESA, the *EDR Radius MapTM* report provided a physical setting source addendum, *Geocheck[®]*, (see Appendix B) which included the following information. The site is located at an elevation of approximately 12-feet above mean sea level (msl). Local topography decreases in elevation to the south-southwest. The site is located within the El Cerritos Estuary which is listed on the National Wetland Inventory. The site is located in a 500-year 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 as it is located within an estuary and is subject to tidal influences. 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 additional data was reported. 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. Three Federal USGS water wells were listed within one mile of the site. The State Database Well Information also listed three wells within one-mile of the site. No public water supply system was identified within one-mile of the site. The State Oil/Gas Well database identified 186 wells 0.5- to one-mile from the site. The EDR report did not identify any earthquake fault line within one mile of the site.

EMS reviewed 2009, 2010 and 2011 annual groundwater monitoring reports and a third quarter 2012 groundwater monitoring report prepared for the site on behalf of SCE. Groundwater is

present below the site a depths ranging from approximately 10 to 20 feet. The groundwater gradient is relatively flat and reportedly flows to the east toward a depression in the groundwater elevation located at the South Retention Basin. Additional information regarding on-going investigations on behalf of SCE is included in Section 2.3.4 and 2.3.5.

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 previously 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 previously retained EDR to perform a search for historical Sanborn[®] fire insurance maps for the site vicinity. Sanborn[®] maps were not available for the site vicinity. The *Certified Sanborn[®] Map Report*, obtained during EMS Previous Phase I ESA, is included in Appendix E.

2.3.3.2 Historical USGS Topographic Map Review

EMS previously retained EDR to provide historical topographic maps prepared by the USGS for the site vicinity. Historical topographic maps were available for the years 1902, 1925, 1947, 1951, 1964, 1972 and 1981. The *EDR Historical Topographic Map Report*, obtained during EMS Previous Phase I ESA, is included in Appendix F.

No specific land use is identified on the site or immediately adjacent properties in the 1902 through 1947 topographic maps; however the site and immediate area is apparently located in marsh or swamp land. Highways 101 and 22 are present and the marina area west of the site is fully developed and the residential area of Naples and Belmont Shore are fully developed. By the time of the 1951 topographic map, the San Gabriel River is identified and the Anaheim Bay Naval Station is present. Also on the 1951 topographic map, buildings and the Naval Hospital are identified on the north west of the site. Numerous oil wells are present southeast of the site. The power generating sub-station (Units 1 through 4) and several large ASTs (currently the Tom Dean and Plains America properties) are present on the site by the 1964 topographic map and the surrounding areas are fully developed into an urban grid setting. The Cerritos Channel is also present. There are not other significant changes to the 1972 and 1981 topographic maps with the exception of increased development in the surrounding area and the addition of Units 5 and 6 and a few more large ASTs on the Plains America property by 1972.

2.3.3.3 Aerial Photograph Review

EMS previously reviewed historical aerial photographs obtained from EDR for the years, 1928, 1938, 1947, 1956, 1968, 1976, 1989, 1994 and 2005. The *EDR Aerial Photo Decade Package*, obtained during EMS Previous Phase I ESA, report is included in Appendix G.

The 1927 to 1956 aerial photographs indicate the site and all adjacent properties appear to be comprised of agricultural and vacant undeveloped land with a few small structures. The 1956 photograph appears to show initial construction of the power plant (Units 1 and 2) and attendant structures. Studebaker Road extends from the north but has not been completed to Westminster Boulevard to the south and the area immediately west of the site across the Cerritos Channel is undeveloped and may be agricultural. Two large tanks are present beyond the central boundary of the site (Tom Dean property). The 1968 photograph shows Studebaker fully developed and Loynes Street has been completed across the Cerritos Channel. A new channel has been cut from the Cerritos Channel across the southern portion of the property to the east side to service Units 5 and 6. Two additional large tanks are now present beyond the central boundary (Tom Dean property) and four more large tanks are positioned beyond the southern boundary (Plains America property). The 1976 photograph shows three more large tanks present just south of the site (Plains America property) and the LADWP property across the San Gabriel River east of the site appears to be developed and there are now ten large tanks present on that property. The 1989, 1994, and 2005 photographs do not show many changes to the site and surrounding area other than an increase in the density of urban residential development. Additional aerial imagery available from Google Earth indicates that four large tanks were removed from the Tom Dean property some time after November 2009.

2.3.3.4 City Directory Abstract

EMS previously 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*, obtained during EMS Previous Phase I ESA, is included in Appendix H.

The property address of 690 North Studebaker Road was listed on the Hanes & Company, Inc. and Pacific Telephone. The properties were operated under various entities as follows:

- Southern California Edison Co Other Departments
- Southern California Edison Co. Alamitos Steam Stn.
- Fisher Montgomery Ross, Inc.
- WNTER
- AES Alamitos

2.3.3.5 Building Permit Report

EMS previously 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 Long Beach. The *EDR Building Permit Report*, obtained during EMS Previous Phase I ESA, is included in Appendix I.

2.3.4 Previous Environmental Reports

EMS previously visited the site on November 10, 2011. Mr. Linares 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 EMS' Previous Phase I ESA, and this Phase I ESA, are listed 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. The following summarizes EMS' review of previous environmental reports and was presented in EMS' Previous Phase I ESA. The results of additional environmental reports reviewed as part of this investigation are presented at the end of this section.

EMS reviewed the AES Alamos LLC Environmental Management System Manual (EMSM) dated July 2010. The EMSM lists the following regulatory permits, authorizations and approvals for the facility: AQMD Title V Permit 1155394; RWQCB NPDES Permit CA0001139; Long Beach Fire Department Permit FP07089802; Certified Unified program Agency (CUPA) Permit HC00002282; and EPA Hazardous Waste Generator ID CAR000038265. 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 reviewed the SPCC plan. This plan includes a table listing SPCC regulated containers and equipment. Products identified within the equipment included lubricating, turbine and hydraulic oils, waste, waste oils and hydraulic fluids, and petroleum-based mineral oils (non-PCB) of various types.

EMS reviewed a LBFD Underground Storage Tank Inspection Report, Double Walled System, dated January 8, 2010 for the aqua ammonia UST. The report indicates the UST size is "20K" (20,000-gallons) and that all sensors were functioning; however, the MSA Tank Guard VIII panel is obsolete and AES was planning an upgrade prior to May 2010. Additional information regarding the upgrading of this panel is presented in Section 2.4.

EMS reviewed documentation for several Notice of Violation (NOVs) issued by the AQMD and RWQCB from 2008 through 2011. Mr. Linares stated that the facility currently has one outstanding fine to pay to the AQMD for a NOX (nitric oxides) emission NOV and one recent NOV from the RWQCB regarding pH analysis and monitoring instrument calibration. Additional information regarding these NOVs is presented in Sections 2.3.5 and 2.4.

EMS was provided with monthly hazardous waste reports dating from 2000 to 2011. From January through July 2011, the following wastes were generated at the site: Non-RCRA Mixed Oil; Off-specification, aged or surplus organics; Unspecified aqueous solution; Unspecified oil-containing waste; Asbestos-containing waste; Corrosive Solids; Other organic solids; Unspecified organic liquid mixture; and Ethylene Glycol. The reports also indicated the quantity, the transporter and final disposal facility for each material.

Subsequent to the site visit EMS, was provided with a list titled Alamos Chemical Products Index, 2011 identifying over 300 chemicals used in the daily operational activities associated with the maintenance and production of the Alamos Generating Station. EMS reviewed chemicals on the list and identified the halogenated solvents perchloroethene (PCE, also referred

to as tetrachloroethene), trichloroethene (TCE) and 1,1,1-trichloroethane (TCA). These halogenated solvents, and their breakdown products, have been detected in groundwater underlying the site.

EMS was also provided with a previous Phase I ESA and portions of a Phase II 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 Alamitos Generating Station (ALGS) property located at 690 North Studebaker Road in Long Beach, California in conformance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E1527. This assessment has revealed the following recognized environmental conditions in connection with the property. No other recognized environmental conditions were observed.”

- “An area of potential concern exists at the former hazardous waste site located at Loynes Drive and Studebaker Road. This site is immediately adjacent to the ALGS property to the northwest. The available information from the database search status, dated 11/9/81, indicates that environmental site screening was required at the site. No physical evidence of this site was apparent during the site walk at the ALGS. No other information was available on this site during, the time of the assessment.”
- “Subsurface investigation reports are currently being completed by ALGS for the retention basins located at the east side of the site. These reports are expected to be complete in mid-1996 and consist of a Monitoring Well Installation report, and a Soil Chemistry Investigation at the Central Retention Basin. Past use of the area for retention basins warranted the recent investigation, and therefore, the potential subsurface contamination must be currently considered as an area of potential concern.”
- “Review of existing baseline tank investigation reports indicated that contamination exists at all tank locations investigated to an average depth of approximately 18 inches. This contamination was estimated in the report not to exceed a depth of 2 feet in the immediate area surrounding the tanks and directly beneath the tanks. These tank sites are a future remediation liability, and the presence of the oil in the subsurface makes these sites a recognized environmental condition.”
- “Spill records and remediation reports for the ALGS were reviewed and the results indicated that an oil spill in the pig launching area had been investigated and cleaned up; however, the subsurface could not be completely cleaned up. This was due to the spill migrating under concrete foundations and footings. Although the area of contamination remaining in the soil is estimated to be relatively small, it still remains as a future remediation liability, and has therefore been classified as a recognized environmental condition. Another spill that resulted from a pipeline break in a location where the pipeline crosses under the roadway near units #5 and #6 was reported during the site reconnaissance. The pipeline was reported to have been repaired; however, the soil contamination that was not accessible beneath the pipeline and road was not

remediated due to the low risk of migration of the oil, given the characteristics of low viscosity oil and low permeability of the soils. This spill area is a future environmental liability and a recognized environmental condition.”

- “Transformers at the powerblock area are considered an area of potential concern. The transformers currently contain oil, which is documented to have less than 50 parts per million (ppm) polychlorinated biphenyls (PCBs). The transformers were reported to have contained 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. Therefore, transformers at the site are considered an area of potential concern.”
- “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 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, this is an area of potential concern that could possibly have future remediation liability.”
- “There are numerous underground pipelines located at ALGS. There is potential for leaks in the pipelines to create areas of contaminated soil. These conditions are considered an area of potential concern.”

EMS was provided with tables, figures and appendices of CH2M Hill’s 1997 Phase II ESA. Based on review of this partial document, existing soil boring and test pit data was available to CH2M Hill for the former ASTs on the current Tom Dean property, the eastern ASTs of the current Plains America property and adjacent property east of these ASTs. CH2M Hill Phase II soil and groundwater sampling locations were spread across other portions of the site including the six power units, UST area located on the eastern portion of the site near the current electric shop and South Retention Basin, transformer areas, cooling water intake units, pump and other areas of potential concern. A Summary of Investigated Site Features (CH2M Hill Table 1) indicated detectable levels of total petroleum hydrocarbons as diesel (TPH-D), volatile organic compounds (VOCs), California Assessment Manual Metals (CAM Metals) and TPH as gasoline (TPH-G) on portions of the site; however, CH2M Hill Table 1 indicated most constituents were detected at de minimis concentrations and in most cases recommended “no further action at this time” and “agency negotiation, additional sampling and/or remediation may be necessary or appropriate as part of decommissioning.” TPH-D, VOCs, CAM Metals, PCBs and semi-volatile organic compounds (SVOCs) were also detected off-site in a “Dredged Materials Area” east of the Plains America ASTs. CH2M Hill recommended additional evaluation of this area.

EMS previously reviewed 2009 and 2010 annual groundwater monitoring reports prepared for the site on behalf of SCE. Groundwater is present below the site at depths ranging from approximately 10 to 20 feet. The groundwater gradient is relatively flat and reportedly flows to the east toward a depression in the groundwater elevation located at the South Retention Basin. The groundwater sampling program is divided into areas including the North Basin, Central Basin, Boiler Chemical Cleaning Basin and the South Basin. Detected chemicals of concern include several CAM Metals, several VOCs including PCE, TCE, 1,1-dichloroethene (1,1-DCE),

cis-1,2-DCE, trans-1,2-DCE, 1,1,1-TCA, 1,1-dichloroethane (1,1-DCA), vinyl chloride (VC) and toluene, and the SVOC 1,4-dioxane. Most VOCs concentrations were below laboratory detection limits or relatively low; however, the highest VOC concentration detected during December 2010 was cis-1,2-DCE, detected at 150 micrograms per liter ($\mu\text{g/L}$) in well AW-20, located east of the Central Basin. 1,4-dioxane was also detected at a concentration of 110 $\mu\text{g/L}$ in well AW-25, located south of the Boiler Chemical Cleaning Basin. Figure 12, depicting 1,4-dioxane concentrations during December 2010, is included in Appendix J.

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

- *Hydrogeologic Assessment Report, Alamitos Generating Station, Report prepared for Southern California Edison, Dames and Moore, January 27, 1986; and,*
- *Well Construction Report, Alamitos Generating Station, Report prepared for Southern California Edison, Hamilton, P., April 18, 1997.*

The Dames and Moore investigation included advancement and sampling of five borings, four 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, gasoline was detected in one boring. The source was believed to be a nearby UST. SCE reportedly investigated this UST further.

The Hamilton well installation report documents installation of nine additional groundwater monitoring wells at the site. Composite soil samples were collected for chemical analyses. This report also noted that the groundwater gradient at the site is controlled by an extraction well operated by the Los Angeles County Flood Control District as part of a barrier project. The DTSC also noted deterioration of the basin liner and requested soil sample collection and analysis from below the Central Basin liner. Elevated levels of nickel vanadium and TCE were reported.

During this investigation, Ms. RaNae Loveland indicated that minor changes had been made to documents such as the EMSM, Emergency Preparedness and Evacuation Plan and SWPPP; however these were generally only changes to personnel and responsibilities. Ms. Loveland provided EMS with the following additional environmental reports:

- Hazardous Waste Generation Report (HWGR)
- 2011 Annual Groundwater Monitoring Report

The HWGR included the amounts of and types of hazardous waste disposed of for 2012. According to this report non-RCRA mixed oil, asbestos-containing waste, other inorganic solid waste, other organic solids, PCBs and material containing PCBs and unspecified aqueous solutions were disposed of during 2012.

The 2011 Annual Groundwater Monitoring Report showed a groundwater gradient with an eastern flow keeping it consistent with previous annual reports. Concentrations of molybdenum and selenium increased in the wells near the North Basin; arsenic, cadmium and molybdenum concentrations increased in the Boiler Chemical Cleaning Basin; and, cadmium, nickel and zinc concentrations increased in the South Basin. The other chemicals of concern at the site were generally consistent with the previous annual reports. The overall groundwater elevation has increased slightly since 2010. Figure 3, depicting basin and well locations, and Figures 4 through 7, depicting groundwater gradients during 2011, are included in Appendix J.

During this investigation, Mr. Weidner with SCE indicated that soil matrix sampling along the pipelines is in the early data collection phase; however, results would not likely be available for months (see Section 2.3.5). Mr. As part of this investigation Mr. Weidner provided EMS with the following additional environmental report:

- *Quarterly Sampling Report, Third Quarter 2012, Groundwater Evaluation Monitoring Program, Alamos Generating Station, P. Hamilton, CEG #998, December 6, 2012.*

The groundwater gradient presented in the third quarter 2012 groundwater monitoring report was generally consistent with those presented in the 2009, 2010 and 2011 annual groundwater monitoring reports; however the overall groundwater elevation was 1 to 2 feet higher than those measured in 2009 and 2010. Concentrations of the various chemicals of concern were also generally consistent with those previously detected at the site. EMS did note that the concentration of nickel detected in well AW-33, located east of the Central Basin, increased from below 100 µg/L to 2,200 µg/L during the third quarter of 2012. The third quarter 2012 groundwater gradient (Figure 4) and CAM Metals analysis for AW-33 (Table 6) are included in Appendix J.

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

2.3.5 Additional Record Sources

EMS previously searched the following regulatory agency websites for any additional information for the AES Alamos plant: EPA's Envirofacts; DTSC's EnviroStor; SWRCB's GeoTracker; and the AQMD's FINDS websites. The EPA Envirofacts searched 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 site was not listed on the GeoTracker website.

The DTSC's EnviroStor website included information pertaining to the ongoing SCE investigation noted above. This included 2009 and 2010 annual groundwater monitoring reports for the facility (see Section 2.3.4). The EnviroStor website also included a 1995 *Final Judgment Pursuant to Stipulation* between the DTSC and SCE related to violations of the Health and Safety Code related to SCE operations at the site. SCE agreed to pay the DTSC a total of \$950,000.00 in civil penalties and reimburse the DTSC's costs in the amount of \$300,000.00 within 30 days of the effective date of the Stipulation.

The EnviroStor website also included two documents pertaining to the ASTs located on the Tom Dean property. On September 1, 2006, Mr. Tom Dean representing Studebaker LB LLC entered into a Corrective Action Consent Agreement with the DTSC to remove and investigate four large ASTs formerly associated with the site. This agreement indicates AES purchased the SCE power plant on May 18, 1998 and sold the central portion of the former SCE property including four ASTs to Studebaker LB LLC on December 5, 2002. The second document was an August 27, 2007 DTSC letter to Tom Dean approving a RCRA Facility Investigation Work Plan.

During the performance of this Phase I ESA, the DTSC's EnviroStor website indicated an annual groundwater monitoring report was either completed or due on October 10, 2012; however, an electronic copy of the report was not available. The DTSC issued a letter to SCE dated January 31, 2012 in response to the DTSC's review of SCE's September 2011 draft *Closure Documentation Report*. The DTSC's letter indicated the draft report was technically complete (see Appendix J). No additional information or reports were available from the DTSC's EnviroStor website.

The AQMD's FINDS search returned numerous records and permits pertaining to various equipment operated at the site including boilers, turbines, storage tanks, etc. The AQMD FINDS search listed one "Spray Booth Paint and Solvent" permit issued to the site on March 3, 1998. The permit is listed as inactive. The AQMD's FINDS search also returned four Notice of Violation (NOVs) records and three Notice to Comply (NOC) records for the site from 2000 to 2011. Three NOVs were listed as "Closed Case" and all NOCs were listed as "In Compliance". The remaining NOV, dated March 20, 2011, was "for exceeding the NOX (nitric oxides) concentration limit averaged over 720 operating hours at 3 percent oxygen on boiler D42." EMS was informed by Mr. Linares that payment for this violation was pending.

During the performance of this Phase I ESA, the AQMD's FINDS website indicated one significant change from EMS' Previous Phase I ESA. The remaining NOV, dated March 20, 2011 and noted above "for exceeding the NOX (nitric oxides) concentration limit averaged over 720 operating hours at 3 percent oxygen on boiler D42", is currently listed as "Closed Case". Copies of the AQMD FINDS search results are included in Appendix J.

EMS previously 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 the address was within the jurisdiction of the Los Angeles County Public Works Department. Additionally EMS submitted a request to LBDHHS requesting to review any records, reports, inspections or any other documents pertaining to environmental issues at this facility. The LBDHHS responded in a letter dated November 14, 2011 that a file was available. EMS visited the LBDHHS on January 4, 2012 and reviewed the available files. The files provided by LBDHHS were primarily annual hazardous waste generator inspection reports and annual AES Business Emergency Plan and Hazardous Emergency Chemical inventory inspections. One file titled Underground Tank Program Tracking System identified the presence at the site of one 550 gallon waste oil tank, one 6,000 gallon diesel tank and one 6,000 gallon gasoline tank that were installed in 1986. The tanks were described as dual walled fiberglass and the file stated that they were removed in April 2003. A closure letter dated May 13, 2003 from the Long Beach/Signal Hill Joint Powers Agency addressed to AES Environmental Coordinator, Mr. Steve Maghy, confirms the satisfactory removal of the three tanks and issues a "no further

action” statement. A copy of the letter and local agency requests are presented in Appendix J.

According to the DOGGR Online Mapping System (DOMS) there are no wells located on the site. One plugged well is located approximately 900 feet southwest of the site. Numerous additional wells were identified to the west and southwest of the property more than 1/4 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. Much of the initial soil investigation work that has been performed at the Alamitos site has not yet been provided to the DTSC in a completed report. 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. Other metals including nickel and arsenic are also a concern. EMS was informed that some nickel detected between the basins and the San Gabriel River channel may be from dredged materials and that sumps are located between former auto shop (now electric shop) and channel.

EMS was informed that the initial investigation of the Alamitos retention basins included advancing soil borings within the footprint of the basins followed by groundwater investigations. A soil gas survey indicated a VOC plume between Central and North Retention Basins and there also may be a VOC source related to the Unit 3 and 4 Powerblock. Additional soil and soil gas sampling will be performed as part of closure activities and a comprehensive soil report will be prepared for submittal to the DTSC. EMS was informed that a trash dump is located in the southern portion of South Retention Basin that includes some asbestos waste.

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 later provided with the 1986 and 1997 reports 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.

During this investigation EMS contacted Mr. Weidner of SCE by e-mail regarding the availability of additional environmental reports and the status of additional site investigation activities. Mr. Weidner indicated that the majority of the soil and soil vapor investigation work

has been completed and he anticipated this work would be completed by the end of January 2013. Mr. Weidner indicated formal reports would likely not be available for several months. Mr. Weidner also indicated that his perception is that the soil vapor plume previously identified to the north of the Central Basin is pretty limited in extent and significantly degraded. Also, in the process of investigating soil vapor around the basins, SCE may have detected some residual gasoline from the removed USTs adjacent to the Electrical Building (former garage). Mr. Weidner also indicated that soil matrix sampling along the pipelines is in the early data collection phase; however, results would not likely be available for months.

EMS visited the LACDPW and was unable to locate any records for the address of 690 North Studebaker. EMS did find a file for the address of 500 South Studebaker which was listed as a SCE property. This file contained two plans for the construction of an addition to one of the warehouses on the site and one plan for the construction of the Unit 7 Peaker.

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 January 11, 2013. 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

During our Previous Phase I ESA, EMS visited the site on November 10, 2011. Mr. Jirgal and Mr. Flores of EMS conducted the site inspection. Mr. Linares, Environmental Coordinator with AES, escorted EMS throughout the site and provided an overview of site operations and policies. Mr. Linares indicated that he has been at the facility for 12 years and that chemical use has remained relatively consistent since AES began operation in 1998.

The following presents the results of EMS site reconnaissance conducted on November 10, 2011. Photographs 1 through 24 were taken on November 10, 2011. Significant changes and additional findings from this investigation are presented at the end of this section.

Mr. Linares 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 Alamitos Facility Site Plan (General Site Map);
- Unit 1 and 2 Drains Map;
- Unit 1 and 2 Lube Oil Storage and Capacities;
- Unit 3 and 4 Drains Map;
- Unit 3 and 4 Lube Oil Storage and Capacities;
- Unit 5 and 6 Drains Map;
- Unit 5 and 6 Lube Oil Storage and Capacities; and,
- List of Tanks and Equipment Containing Petroleum Products.

The site consists of six natural-gas fueled electrical power plant units operated by AES since 1998. The units are located on the site in pairs (see Photograph 1). Natural gas is piped onto the facility via above and underground pipelines (see Photograph 2). Prior to AES operation, SCE operated the facility utilizing natural gas and fuel oil. Fuel oil was piped onto the site and stored in large ASTs that are no longer a part of the site (see Photograph 3). Fuel oil pipelines remain on portions of the site. The former ASTs are now owned by Studebaker LB LLC (Tom Dean property) and Plains America. Please note that the former central AST farm is indicated as owned by Plains America on the AES Alamitos Facility Site Plan; however, this is now referred to as the Tom Dean property. Each unit is comprised of a control room, boiler, turbine and other support facilities including transformers (see Photograph 4), aqueous ammonia tanks (see Photograph 5), oil-water separator and associated surface water drainage system. Aqueous ammonia is utilized as a reductant in the Selective Catalytic Reduction (SCR) process to reduce NOX emissions.

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 remaining fuel-oil ASTs was also sold to Plains America; however, pipe lines remain on the site. The land and central ASTs were later sold by Plains America to Tom Dean. Mr. Maghy was unsure as to the current operational status of all the pipe lines and whether they still held fuel oil.

Mr. Linares stated that there are two systems for surface water drainage. One system is for normal surface water runoff (see Photograph 6) identified by blue and white markings while the second is for “oily waste” (see Photograph 7) identified by brown and white markings. Activities that may result in the release of oily waste are performed near these drains. Oily waste is directed to oil-water separators, sumps and retention basins for proper disposal (see Photograph 8). Mr. Linares indicated these facilities are pumped out approximately quarterly. Drain Maps for each paired power unit location are presented in Appendix L.

The facility uses and stores petroleum products including lube oils, gear oils and transformer mineral oils. The storage capacity and location for each of the paired power units are presented on the Lube Oil Storage and Capacities plans and List of Tanks and Equipment Containing Petroleum Products list included in Appendix L. Various new and used lube oils were observed in 55-gallon drums for use at Units 1 and 2 (see Photograph 9). New and used lube oil is also stored in bulk on the eastern portion of the site between the Center Retention Basin and the out-of-service Acid Bath Basins (see Photographs 10 and 11).

Other chemicals used and stored at the facility include 13% sodium hypochloride (see Photograph 12), hydrogen in “bullet tanks” (see Photograph 13), compressed nitrogen (see Photograph 14), caustics and sulphuric acid, and several water tanks to service the boilers and for fire-fighting purposes (see Photograph 15). Mr. Linares stated that there is one UST on the site used to store aqueous ammonia for Units 5 and 6 (see Photograph 16). One large AST previously utilized to store jet fuel remains on the site adjacent to the Tom Dean property. Mr. Linares stated that this was used to fuel jet engines formerly located in the Unit 7 Peaker building; however, these jet engines were removed from the site. Mr. Linares stated the tank is no longer used but may contain residual fuel and water. Jet fuel was transferred from the tank to the Unit 7 Peaker building via underground pipelines. Mr. Linares was unaware of any

subsurface investigations of the tank of the pipelines in this area. The site also includes one vacuum chiller located at Units 3 and 4 that utilizes fluorocarbon refrigerant.

Mr. Linares stated that AES must further treat city supplied water before use in generating power at the facility. Mr. Linares stated ASE used to perform this task; however, this is now performed by an outside contractor, Ionics Ultrapure Water Corporation (Ionics, see Photograph 17). Ionics utilizes reverse osmosis technology to purify city water. The Ionics trailer is located north of the acid and caustics tanks which are currently out-of-service (see Photograph 18). Several other facilities are out-of-service as the plant no longer utilizes fuel oil and other operational changes (see Photograph 19 and 20).

Two channels provide cooling water to the power units. The northern channel provides cooling water to Units 1 through 4 and a southern channel provides cooling water to Units 5 and 6 (see Photograph 21). Intake water is screened for trash and debris prior to entering the units (see Photograph 22). Mr. Linares stated that a sorbent material called “smart sponge” is utilized throughout the site to adsorb oily releases on site and within floating booms to contain releases that may enter the channels.

Mr. Linares stated that the facility currently operates two wastewater retention basins and one sewage waste treatment plant. SCE, under direction of the DTSC, is currently conducting subsurface investigations related to SCE’s former operation of the retention basins. Several groundwater monitoring wells were noted in this area (see Photograph 23). The facility has three outfalls, one for each of the six paired units that discharge to the San Gabriel River. Mr. Linares stated he was aware of one significant release of several barrels of oil into the channel while he has been with the facility. Mr. Linares also stated that the facility has one outstanding fine to pay to the AQMD for a NOX emission NOV and one recent NOV from the RWQCB regarding pH analysis and monitoring instrument calibration.

The facility also includes administration buildings, warehouses, a compressor house, an electric shop and maintenance shop. Mr. Linares also stated that SCE had operated an automotive shop but he had no knowledge regarding the current or former presence of a paint spray booth at the site. The automotive shop was located at the current location of the electric shop.

During this Phase I ESA, EMS visited the site on January 11, 2013. Mr. Flores of EMS conducted the site inspection. Mr. Flores met with Mr. Sid Phan, Plant Engineer with AES, and Ms. RaNae Loveland, Environmental Coordinator with AES Redondo Beach. Mr. Phan and Ms. Loveland have been sharing Environmental Coordinator duties at AES Alamitos since September 2012. Mr. O’Kane provided EMS with an ASTM E 1527-05 User Questionnaire for the site during the site visit. Mr. O’Kane also indicated there have been no ownership changes at the adjacent Tom Dean and Plains America properties.

Mr. Phan escorted EMS throughout the site and provided an overview of site operations and policies. Photographs 25 through 36 were taken on January 11, 2013. Mr. Phan has been with AES Alamitos for approximately 13 years. During this investigation, Mr. Phan provided the following additional information:

- The obsolete MSA Tank Guard VIII panel for the 20,000-gallon aqua ammonia UST was upgraded and certified as of August 24, 2012;

- Mr. Phan confirmed that the fine for the AQMD NOX NOV was paid;
- Mr. Phan indicated that the facility currently has two outstanding RWQCB NOV's, that the RWQCB had recently performed an inspection and that AES was waiting to hear from the RWQCB regarding the NOV's;
- Mr. Phan indicated that PCBs were detected within wastewater contained in the North Retention Basin. The wastewater was removed, the solids filtered, separated and stored in bins for subsequent disposal as hazardous material (see Photographs 25 and 26). Mr. Phan indicated the PCBs were believed to have originated in contaminated oil from the Unit 7 Peaker unit;
- Mr. Phan indicated that the jet fuel AST has a total capacity of approximately 900,000-gallons and currently contains about 4 to 5 inches of residual fuel (see Photograph 27). This residual fuel totals approximately 3,000 gallons. AES is planning to clean out this AST and use it for the storage of fire suppression water.
- Underground pipelines associated with the jet fuel AST have been capped at the meter. Mr. Phan also indicated these pipelines may contain residual fuel and he was unaware of any subsurface investigations for the pipelines or AST.
- Mr. Phan indicated that Plains America had cut and capped underground fuel oil pipelines on the site and that these pipelines may still contain residual fuel. Mr. Phan also indicated that AES was aware that recent additional investigations, including soil and soil gas sampling, have been conducted on behalf of SCE and that these investigations included the fuel oil pipelines. Mr. Phan also indicated that the results of these investigations would not likely be available for several months;
- EMS inquired regarding the elevated levels of nickel detected in well AW-33 near the Central Retention Basin. Mr. Phan was unsure of the source of the nickel, but indicated the source may be a corroded transfer line leading from the North Retention Basin that was found to be leaking. This pipeline was cut and replaced (see Photographs 28 and 29). EMS was previously informed that some nickel detected between the basins and the San Gabriel River channel may be from dredged materials. The elevated levels of nickel in well AW-33 may also be the result of these materials and a rising groundwater elevation.
- Mr. Phan indicated that, with the exception of some asbestos piping insulation removed from Unit 2, there had been no significant asbestos investigations or removals since EMS' last visit. AES was also recently required to provide certification by an Industrial Hygienist that work associated with thermal welding within Unit 5 would not release asbestos.

Two 55-gallon drums located upon secondary containment were noted north of the south Retention Basin (see Photograph 30). One drum was empty and the other drum contained waste paint from onsite maintenance. Portions of the Unit 7 Peaker building were undergoing dismantling of equipment (see Photographs 31 and 32). With the exception of the dismantling

activities and the wastewater/solids separation noted above, EMS did not note any further significant operational changes since our last visit during 2011. During this site visit EMS photographed the following additional areas: the former UST area located south of the current electric shop (former auto shop, see Photograph 33); the warehouse (see Photograph 34); and the maintenance shop (see Photographs 35 and 36). In general, housekeeping in the areas of chemical use and storage appeared very good; however, the maintenance shop area appeared more cluttered than other areas.

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 with the following exception; PCE, TCE and TCA are apparently used at the site. These halogenated solvents, and their breakdown products, have been detected in groundwater underlying the site.

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 ASTs were observed on-site during the site inspection for the storage of aqueous ammonia, sodium hypochloride and water. One large AST reportedly stored jet fuel but is no longer in use (see Photograph 27). This AST reportedly contains residual jet fuel and is planned to be cleaned and converted for fire suppression water storage.

2.4.4 Indications of Polychlorinated Biphenyls (PCBs)

Several electrical transformers were observed on-site associated with the power generation units. Information provided by Mr. Linares previously indicated the transformers utilize non-PCB containing mineral oil. PCBs were recently detected in within wastewater contained in the North Retention Basin. The wastewater was removed, the solids filtered, separated and stored in bins for subsequent disposal as hazardous material (see Photographs 25 and 26). Mr. Phan indicated the PCBs were believed to have originated in contaminated oil from the Unit 7 Peaker unit.

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.

2.4.7 Indications of Asbestos Containing Material (ACM)

Site buildings were originally constructed prior to 1980; therefore, ACM may be present in building materials such as floor tile, ceiling tile, wall-board, grout, pipe and equipment insulation, etc. Mr. Linares indicated that SCE had performed comprehensive asbestos surveys and abatement activities in the 1970s and 1980s. Mr. Linares indicated numerous asbestos surveys and abatement reports exist; however, he was unaware of any one report that may summarize past work and remaining ACM at the site. Mr. Linares indicated that known materials that have had ACM removed and replaced with non-ACM, such as the above-ground steam piping present throughout the facility, is identified by blue strapping and “asbestos free” notification (see Photograph 24). Mr. Linares also indicated that any suspect ACM materials which are unknown to have been surveyed and abated are treated as ACM. Mr. Linares previously provided EMS with several recent documents regarding ACM issues at the site. The documents included three brief work plans for asbestos abatement activities (Envirocon Contracting, Inc), notifications and clearance sampling reports dated as recently as 2010 and 2011. The work plans outline removal of ACM pipe insulation in Units 1 and 4 and ACM removal for critical weld inspection at Unit 6. Mr. Phan indicated that, with the exception of some asbestos piping insulation removed from Unit 2, there had been no significant asbestos investigations or removals since EMS’ last visit. AES was also recently required to provide certification by an Industrial Hygienist that work associated with thermal welding within Unit 5 would not release asbestos.

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 *Geocheck*[®] 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 98% of first floor living areas tested in Los Angeles County area were below 4 pCi/L and 2% ranged from 4-20 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 48 sites tested for radon within the 90803 Zip Code, no 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. A lien was identified for the site's parcel number of 7237-019-808. The environmental lien appears related to on-going subsurface investigations regarding former SCE operations at the site including former operation of wastewater retention basins. Based on this information, and 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

EMS performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 of the AES Alamitos electrical power plant located at 690 North Studebaker Road, in the City of Long Beach, Los Angeles County, California. Any exception to, or deletions from, this practice are described in Section 3 of this report. The concerns noted during the performance of EMS' Previous Phase I ESA in 2012 still apply as of the date of this report. Additional information and concerns uncovered during this investigation are presented at the end of this section. EMS' Previous Phase I ESA revealed no evidence of *Recognized Environmental Conditions*, *Historical Recognized Environmental Conditions* or *De Minimis Conditions* in connection with the site with the following exceptions:

- Historical sources indicate the site may have been utilized for agriculture. Detectable levels of agricultural chemicals, such as fertilizers and pesticides, may be present in the subsurface. Generally these chemicals would not be detected at concentrations that would present an environmental concern to the site unless a specific facility existed where these chemicals were used or handled in a manner that would result in the accumulation of higher concentrations. No such facility was identified on historical use sources with the following exceptions: Small structures that appear to be farm houses and associated outbuildings were observed in the general area of Units 3 and 4 prior to construction of the power plant. In the event soil becomes exposed in this area due to decommissioning of Units 3 and 4, EMS recommends sampling soils in this area for agricultural chemicals.
- 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 part of the site; however, above-ground and underground fuel oil pipelines remain on the site. The presence of these pipelines represents a *Recognized Environmental Condition* in connection with the site.
- One large AST previously utilized to store jet fuel remains on the site. This was used to fuel jet engines formerly located in the Unit 7 Peaker building; however, these jet engines were removed from the site. The tank is no longer used but may contain residual fuel and water. Jet fuel was transferred from the tank to the Unit 7 Peaker building via underground pipelines. AES was unaware of any subsurface investigations of the tank or the pipelines in this area. The presence of this AST and associated pipelines represents a *Recognized Environmental Condition* in connection with the site.
- Groundwater underlying the site is known to be impacted by metals, VOCs 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 wastewater retention basins. These investigations are currently overseen by the DTSC. The presence of groundwater contamination represents a *Recognized Environmental Condition* in connection with the site.
- 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 with the following exception; PCE, TCE and TCA are apparently used at the site. These halogenated solvents, and their breakdown products, have been detected in groundwater underlying the site. The use of these VOCs 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. Oil spills were also reported in the pig launching area and a location where a pipeline crosses under the roadway near units #5 and #6. These spills were reported to have been cleaned up; however, some contamination was noted to remain due to limited access. 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 fuel oil 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. The former use of PCB containing 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 USTs, including a 550-gallon waste oil, 6,000-gallon diesel tank and 6,000-gallon gasoline tank were reportedly installed in 1986 and removed in April 2003. A closure letter dated May 13, 2003 from the Long Beach/Signal Hill Joint Powers Agency confirmed the satisfactory removal of the three tanks and issued a “no further action” statement. Based on this information, these three former USTs represent a *Historical Recognized Environmental Condition* in connection with the site.
- EDR’s HIST UST listing identified over 25 HIST UST records for the site. The installation dates range from 1956 to 1982 and the contents are reported as unleaded product, product, waste oil and waste. Some records may be duplicate records or refer to waste contained in below-grade oil/water separators and/or clarifiers; however, a total of eleven are identified as containing product and two contain waste oil. The large number of additional records for USTs at the site without removal and closure documentation represents a *Recognized Environmental Condition* in connection with the site.
- One inactive permit for a “Spray Booth, Paint and Solvent” was identified for the site dated March 3, 1998. AES is unaware of the location of the former spray booth. The former use of a spray booth represents a *Recognized Environmental Condition* in connection with the site.

- EMS was informed that a trash dump is located in the southern portion of South Retention Basin that includes some asbestos waste. The presence of asbestos waste in this trash dump 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. Adjacent properties known or suspected of containing soil contamination include the adjacent ASTs formally associated with the site and now owned by Plains America and Tom Dean, the former hazardous waste site located at Loynes Drive and Studebaker Road to the northwest and the Dredged Materials Area south of the site and east of the Plains America ASTs. The contamination on these 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 the site.

EMS performance of this Phase I ESA during 2013 uncovered the following additional information and concerns:

- Recent sampling performed in 2012 detected PCBs within wastewater contained in the North Retention Basin. The wastewater was removed, the solids filtered, separated and stored in bins for subsequent disposal as hazardous material. EMS was informed the PCBs were believed to have originated in contaminated oil from the Unit 7 Peaker unit. The presence of PCBs within wastewater represents a *Recognized Environmental Condition* in connection with the site.
- Elevated levels of nickel were detected in well AW-33 near the Central Retention Basin. AES personnel was unsure of the source of the nickel, but indicated the source may be a corroded transfer line leading from the North Retention Basin that was found to be leaking. This pipeline was cut and replaced. EMS was previously informed that some nickel detected between the basins and the San Gabriel River channel may be from dredged materials. The elevated levels of nickel in well AW-33 may also be the result of these materials and a rising groundwater elevation. EMS recommends the elevated levels of nickel within AW-33 be investigated further.
- The discovery of damaged, leaking pipelines noted above, including pipelines that could

potentially transport materials such as the PCB contaminated wastewater also noted above, represents a *Recognized Environmental Condition* in connection with the site.

- EMS was informed by SCE that the majority of additional soil and soil vapor investigation work, including soil matrix sampling along the fuel-oil pipelines, has been completed and that all work should be completed by the end of January 2013. EMS was also informed that formal reports would likely not be available for several months. SCE informed EMS that the soil vapor plume previously identified north of the Central Basin appears limited in extent and significantly degraded, and that residual gasoline from the removed USTs was detected adjacent to the electrical building (former auto shop). The review of final investigation reports is required for EMS to make a determination if these areas currently represent *Recognized Environmental Conditions*, *Historical Recognized Environmental Conditions* or *De Minimis Conditions* in connection with the site.

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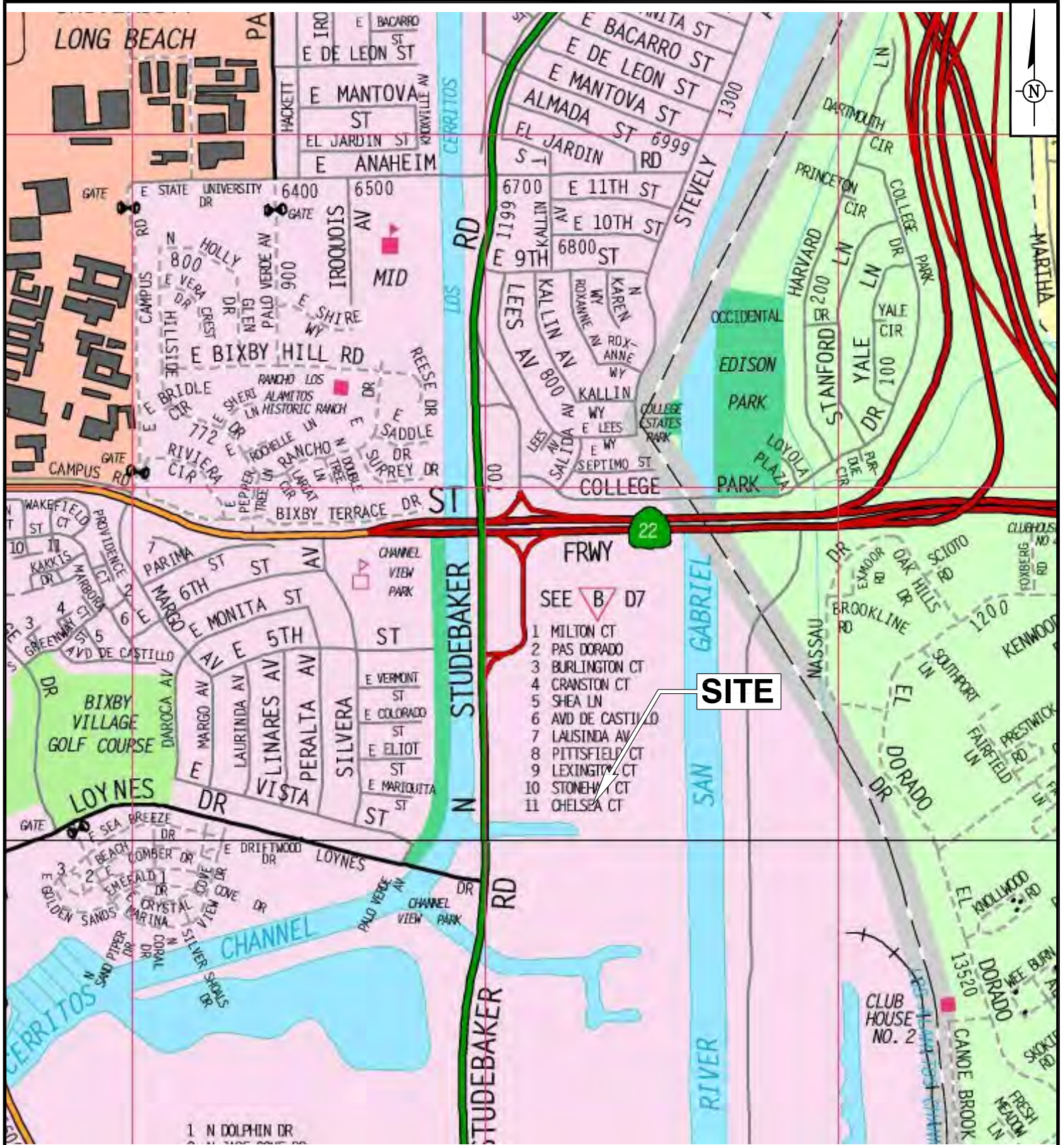
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FIGURES



Map Source: Thomas Guide

NOT TO SCALE		SITE LOCATION MAP AES Alamitos Plant 690 North Studebaker Road Long Beach, California	
Project Number EMS514		Phase I Environmental Site Assessment	
Project Manager MJ	Drafter VM	ENVIRONMENTAL MANAGEMENT STRATEGIES, INC.	
Date 12/20/2012		Financially Based, Environmental Solutions	
		Figure 1	



<u>EXPLANATION</u>	
	SITE PROPERTY LINE (APPROXIMATE)

NOT TO SCALE	
Project Number	EMS514
Project Manager	MJ
Drafter	VM
Date	12/20/2012

SITE MAP AES Alamos Plant 690 North Studebaker Rd. Long Beach, California	
Phase I Environmental Site Assessment	
ENVIRONMENTAL MANAGEMENT STRATEGIES, INC. <i>Financially Based, Environmental Solutions</i>	
Figure	2

PHOTOGRAPHS

Client: AES
Property Name:
Property Location:

Project Number: EMS514
AES Alamitos
690 North Studebaker Road
Long Beach, CA

EMS

ENVIRONMENTAL MANAGEMENT STRATEGIES, INC.

Photograph 1: Twin power plant Units 5 and 6.



Photograph 2: Natural gas supply facility.



Photograph 3: Above-ground tanks on Plains America property.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
AES Alamitos
690 North Studebaker Road
Long Beach, CA

EMS

ENVIRONMENTAL MANAGEMENT STRATEGIES, INC.

Photograph 4: Liquid-cooled transformer.



Photograph 5: 29% Aqueous ammonia tank for Units 1 and 2.



Photograph 6: Normal storm water runoff drain.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
AES Alamitos
690 North Studebaker Road
Long Beach, CA

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Photograph 7: Oily waste drain location.



Photograph 8: Oily waste oil-water separator.



Photograph 9: New and used lube oils in 55-gallon drums at Units 1 and 2.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
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Photograph 10: New and used lube oil bulk storage, Center Retention Basin on left, Acid Bath Basins on right.



Photograph 11: New lube oil bulk storage.



Photograph 12: 13% sodium hypochloride.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
AES Alamitos
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Photograph 13: Hydrogen in “bullet tanks”.



Photograph 14: Compressed nitrogen.



Photograph 15: Water tanks.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
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Photograph 16: Underground aqueous ammonia storage tank for Units 5 and 6.



Photograph 17: Ionics Ultrapure Water Corporation.



Photograph 18: Out-of-service acid and caustics tanks.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
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Photograph 19: Out-of-service fuel oil handling facility.



Photograph 20: Out-of-service tanks.



Photograph 21: Intake channel to Units 5 and 6.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
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Photograph 22: Screen for intake channel to Units 5 and 6.



Photograph 23: Groundwater monitoring well AW-30 located near the Central Basin.



Photograph 24: Insulated equipment with blue straps and "asbestos free" notification.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
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Photograph 25: Waste bins holding separated solids.



Photograph 26: Water draining from bin holding separated solids.



Photograph 27: Jet fuel aboveground storage tank.



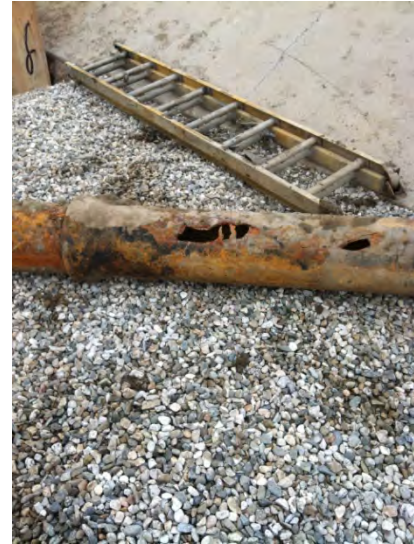
Client: AES
Property Name:
Property Location:

Project Number: EMS514
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Photograph 28: Removed corroded transfer line.



Photograph 29: Replaced section of corroded transfer line.



Photograph 30: Two 55-gallon drums located on secondary containment.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
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Photograph 31: Interior of former Unit 7 peaker building.



Photograph 32: Interior of former Unit 7 peaker building.



Photograph 33: Former UST area to the south of the electric shop.



Client: AES
Property Name:
Property Location:

Project Number: EMS514
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Photograph 34: Materials stored in warehouse next to maintenance shop.



Photograph 35: Interior of maintenance shop.



Photograph 36: Interior of maintenance shop.



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.

Publications

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. and Gibson, J. - *Evaluation of Technology for Large- and Small-Diameter Boreholes to Characterize Crystalline Rock*. BMI/OCRD-21, Office of Crystalline Repository Development, Battelle Memorial Institute, Columbus, Ohio, May 1985.

Severini, A., Royalty, P.D., and Bateman, R.L. - *Optimization of Cheyenne Municipal Well-Field Operations: An Application of Parameter Estimation Modeling*. Proceedings of Practical Applications of Ground-water Models Conference, National Water Well Association, Worthington, Ohio, August 15-17, 1984.

Severini, A. and Bitner, M.J. - *Two Algorithms to Improve the Efficiency of Existing Well Fields: I. Theoretical Development; II. Applications*. Abstract of the American Geophysical Union, Fall Meeting, San Francisco, December 1984.

Severini, A. and Gibson, J. - *Preliminary Overburden Characterization at Richton Dome*. ONWI-481, Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, Ohio, November 1983.

Severini, A., McElwee, C., Butt, M., and Fleming, A. - *Salinity Control on the Smokey Hill River in Central Kansas*. Proceedings of the 1983 International Symposium on State-of-the-Art Control of Salinity, Salt Lake City, July 13-15, 1983.

Regional Ground-Water Flow Near Richton Dome, Mississippi. ONWI-456, Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, Ohio, November 1983.

Severini, A. and Huntley, D. - *Heat Convection in Warm Springs Valley, Virginia*. Ground Water, 21, No. 6, November 1983.

Severini, A., Denne, J., Stander, T., Sophocleous, M., and Lucas, J. - *An Integrated Approach for Locating Glacial Buried Valley Aquifers*. Ground Water Series 5, Kansas Geological Survey, Lawrence, Kansas, 1982.

Severini, A., McElwee, C., Cobb, P., Fleming, A., and Paschetto, J. - *Study of the Salt Water Intrusion Problem Between Salina, Kansas and Solomon, Kansas, in the Smokey Hill River Valley*. Kansas Geological Survey, Lawrence, Kansas, March 1981.

Severini, A. - *Computer Modeling of Relief Wells Proposed to Alleviate Salt Water Intrusion Between Salina and Solomon, Kansas*. Abstract of the Annual Meeting, National Water Well Association, Kansas City, September 1981.

Severini, A., Denne, J., and Cobb, P. - *Results Comparison Between Conventional and Signal Enhanced DC Resistivity Instruments in Ground-Water Resource and Contaminant Exploration*. Abstracts of the American Geophysical Union, Fall Meeting, San Francisco, December 1981.

Severini, A. - *Resistivity Methods Applicable to the Detection of the Freshwater-Saltwater Interface in Ground-Water Aquifers*. Kansas Water Resources Board, Kansas River Basin, Salt River Intrusion Briefing, February 1980.

Severini, A. - *Optimization of the Drilling of Water Quality Observation Wells Using Electrical Resistivity*. Annual Meeting of the Big Bend Ground-water Management District No. 5, March 1980.

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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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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.

ENVIRONMENTAL MANAGEMENT STRATEGIES, INC.

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Tel 949.679.9500



Environmental Solutions
Irvine, CA 92606
Fax 949.679.9501

<http://www.goemsinc.com>

- 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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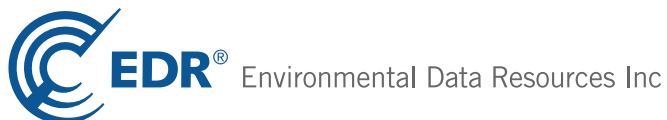
APPENDIX B
EDR RADIUS MAP™
WITH GEOCHECK® FROM PREVIOUS PHASE I ESA

AES Alamos Plant

690 North Studebaker Road
Long Beach, CA 90803

Inquiry Number: 3481159.1s
December 20, 2012

The EDR Radius Map™ Report



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	80
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

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

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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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

690 NORTH STUDEBAKER ROAD
LONG BEACH, CA 90803

COORDINATES

Latitude (North): 33.7682000 - 33° 46' 5.52"
Longitude (West): 118.1007000 - 118° 6' 2.52"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 398072.8
UTM Y (Meters): 3736805.5
Elevation: 12 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 33118-G1 LOS ALAMITOS, CA
Most Recent Revision: 1981

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>
ROSIE THE RIVETER CHARTER HIGH 690 STUDEBAKER RD LONG BEACH, CA 90803	FINDS	N/A
ALAMITOS GENERATING STATION 690 STUDEBAKER RD LONG BEACH, CA 90815	CA FID UST SWEEPS UST WDS	N/A
AES ALAMITOS STATION, LLC 690 STUDEBAKER LONG BEACH, CA 90803	EPA WATCH LIST	N/A
AES ALAMITOS LLC 690 N. STUDEBAKER RD LONG BEACH, CA 90803	RCRA-LQG HAZNET	CAR000038265

EXECUTIVE SUMMARY

AES ALAMITOS LLC 690 N STUDEBAKER RD LONG BEACH, CA 90803	HAZNET	N/A
690 N. STUDEBAKER RD. 690 N. STUDEBAKER RD. LONG BEACH, CA	CHMIRS	N/A
690 STUDEBAKER RD GENERATING STAT 690 STUDEBAKER RD GENERATING STATIONS LONG BEACH, CA 90803	CHMIRS	N/A
690 NORTH STUDEBAKER ROAD 690 NORTH STUDEBAKER ROAD LONG BEACH, CA 90804	CHMIRS	N/A
690 STUDEBAKER RD 690 STUDEBAKER RD LONG BEACH, CA 90803	ERNS	N/A
690 STUDEBAKER RD 690 STUDEBAKER RD LONG BEACH, CA	ERNS	N/A
690 STUDEBAKER RD LONG BEACH CA 690 STUDEBAKER RD LONG BEACH CA LONG BEACH, CA 90803	ERNS	N/A
SO CAL EDISON CO 690 STUDEBAKER RD LONG BEACH, CA 90815	EMI	N/A
SCE, ALAMITOS GENERATING STA. 690 STUDEBAKER ROAD LONG BEACH, CA 90803	Toxic Pits Closure Date: / /	N/A
EDISON O AND M SERVICES 690 STUDEBAKER RD BLDG 2 LONG BEACH, CA 90803	RCRA-NonGen FINDS	CAR000096438
SCE-ALAMITOS GEN STA-4 D/W O-C, J 0690 STUDEBAKER RD LONG BEACH, CA	UST	N/A
690 STUDEBAKER RD. 690 STUDEBAKER RD. LONG BEACH, CA 90803	CHMIRS	N/A

EXECUTIVE SUMMARY

690 STUDEBAKER RD. 690 STUDEBAKER RD. LONG BEACH, CA	CHMIRS	N/A
ALAMITOS GENERATING STATION 690 NORTH STUDEBAKER ROAD LONG BEACH, CA 90803	SLIC ENF	N/A
690 NORTH STUDEBAKER ROAD 690 NORTH STUDEBAKER ROAD LONG BEACH, CA 90803	ERNS	N/A
690 NORTH STUDEBAKER RD, A POWER 690 NORTH STUDEBAKER RD, A POWER GENERATING STATION LONG BEACH, CA 90803	CHMIRS	N/A
690 NORTH STUDEBAKER 690 NORTH STUDEBAKER LONG BEACH, CA	ERNS	N/A
690 N. STUDEBAKER ROAD 690 N. STUDEBAKER ROAD LONG BEACH, CA 90803	ERNS	N/A
690 N. STUDEBAKER ROAD 690 N. STUDEBAKER ROAD LONG BEACH, CA	ERNS	N/A
AES ALAMITOS L.L.C. 690 N STUDEBAKER ROAD LONG BEACH, CA 90803	AST	N/A
690 N STUDABAKER ROAD 690 N STUDABAKER ROAD LONG BEACH, CA	ERNS	N/A
EPTC ALAMITOS 690 N STUDEBAKER ROAD LONG BEACH, CA 90815	CORRACTS RCRA-SQG FINDS MANIFEST	CAD009694795
ALAMITOS PUMP STATION 690 N STUDEBAKER RD LONG BEACH, CA 90815	HIST UST	N/A

EXECUTIVE SUMMARY

ALAMITOS PUMPING & HEATING FAC 690 N STUDEBAKER RD LONG BEACH, CA 91770	NPDES HIST UST CHMIRS HAZNET EMI	N/A
690 NORTH STUDEBAKER RD 690 NORTH STUDEBAKER RD LONG BEACH, CA	CHMIRS	N/A
US BUREAU REC. PILOT PROJ. 690 N STUDEBAKER RD LONG BEACH, CA 90803	WDS	N/A
UNIT #3, 690 NORTH STUDEBAKER RD UNIT #3, 690 NORTH STUDEBAKER RD LONG BEACH, CA 90803	CHMIRS	N/A
TANK FARM @ 690 N. STUDEBAKER RD. TANK FARM @ 690 N. STUDEBAKER RD. LONG BEACH, CA 90805	CHMIRS	N/A
ALAMITOS GENERATING STATION 690 N STUDEBAKER RD LONG BEACH, CA 90815	HIST UST	N/A
ALAMITOS GENERATING STATION 690 NORTH STUDEBAKER ROAD LONG BEACH, CA 90803	NPDES CHMIRS	N/A

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

EXECUTIVE SUMMARY

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 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
LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

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

WDS..... Waste Discharge System

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

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

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
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
AOCNCERN..... San Gabriel Valley Areas of Concern
CDL..... Clandestine Drug Labs
US HIST CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

HIST UST..... Hazardous Substance Storage Container Database

Local Land Records

LIENS 2..... CERCLA Lien Information
LIENS..... Environmental Liens Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
CHMIRS..... California Hazardous Material Incident Report System
LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing

Other Ascertainable Records

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
FINDS..... Facility Index System/Facility Registry System
RAATS..... RCRA Administrative Action Tracking System

EXECUTIVE SUMMARY

CA BOND EXP. PLAN.....	Bond Expenditure Plan
NPDES.....	NPDES Permits Listing
UIC.....	UIC Listing
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
HIST CORTESE.....	Hazardous Waste & Substance Site List
CUPA Listings.....	CUPA Resources List
Notify 65.....	Proposition 65 Records
LA Co. Site Mitigation.....	Site Mitigation List
DRYCLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List
LOS ANGELES CO. HMS.....	HMS: Street Number List
HAZNET.....	Facility and Manifest Data
EML.....	Emissions Inventory Data
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
PROC.....	Certified Processors Database
MWMP.....	Medical Waste Management Program Listing
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
US FIN ASSUR.....	Financial Assurance Information
PRP.....	Potentially Responsible Parties
2020 COR ACTION.....	2020 Corrective Action Program List
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
HWT.....	Registered Hazardous Waste Transporter Database
HWP.....	EnviroStor Permitted Facilities Listing

EDR PROPRIETARY RECORDS

EDR Proprietary Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR US Hist Auto Stat.....	EDR National Historical Auto Stations
EDR US Hist Cleaners.....	EDR National Historical 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.

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

EXECUTIVE SUMMARY

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 11/05/2012 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALAMITOS TANK FARM, PUMPING & Status: Active	692 N STUDEBAKER RD	WSW 1/8 - 1/4 (0.173 mi.)	B37	71
EPTC ALAMITOS PARCEL 3-4 Status: Certified O&M - Land Use Restrictions Only	692 NORTH STUDEBAKER ROWSW	1/8 - 1/4 (0.173 mi.)	B39	74

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

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

A review of the SWF/LF list, as provided by EDR, and dated 08/20/2012 has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CITY DUMP & SALVAGE #4	STUDEBAKER RD. S OF LOS	WSW 1/8 - 1/4 (0.233 mi.)	40	77

State and tribal registered storage tank lists

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the AST list, as provided by EDR, and dated 08/01/2009 has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EPTC - ALAMITOS	692 N STUDEBAKER ROAD	WSW 1/8 - 1/4 (0.173 mi.)	B38	74

EXECUTIVE SUMMARY

State and tribal voluntary cleanup sites

VCP: 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.

A review of the VCP list, as provided by EDR, and dated 11/05/2012 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EPTC ALAMITOS PARCEL 3-4	692 NORTH STUDEBAKER ROWSW	1/8 - 1/4 (0.173 mi.)	B39	74

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

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

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 3 WMUDS/SWAT sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STUDEBAKER-CERRITOS CHANNEL	SW OF STUDEBAKER & LOYN WSW	1/8 - 1/4 (0.171 mi.)	B35	69
STUDEBAKER - LOYNES DISPOSAL S	LOYNES DR. & STUDEBAKER WSW	1/8 - 1/4 (0.171 mi.)	B36	70
CITY DUMP & SALVAGE #4	STUDEBAKER RD. S OF LOS	WSW 1/8 - 1/4 (0.233 mi.)	40	77

Local Lists of Hazardous waste / Contaminated Sites

Toxic Pits: The Toxic Pits Cleanup Act Sites database identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. The data come from the State Water Resources Control Board.

A review of the Toxic Pits list, as provided by EDR, and dated 07/01/1995 has revealed that there is 1 Toxic Pits 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>
LAWP,HAYNES GENERATING STATION Closure Date: 10/18/90	6801 WESTMINSTER AVENUE S	1/2 - 1 (0.588 mi.)	41	79

Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 09/10/2012 has revealed that there is 1 DEED

EXECUTIVE SUMMARY

site within approximately 0.5 miles of the target property.

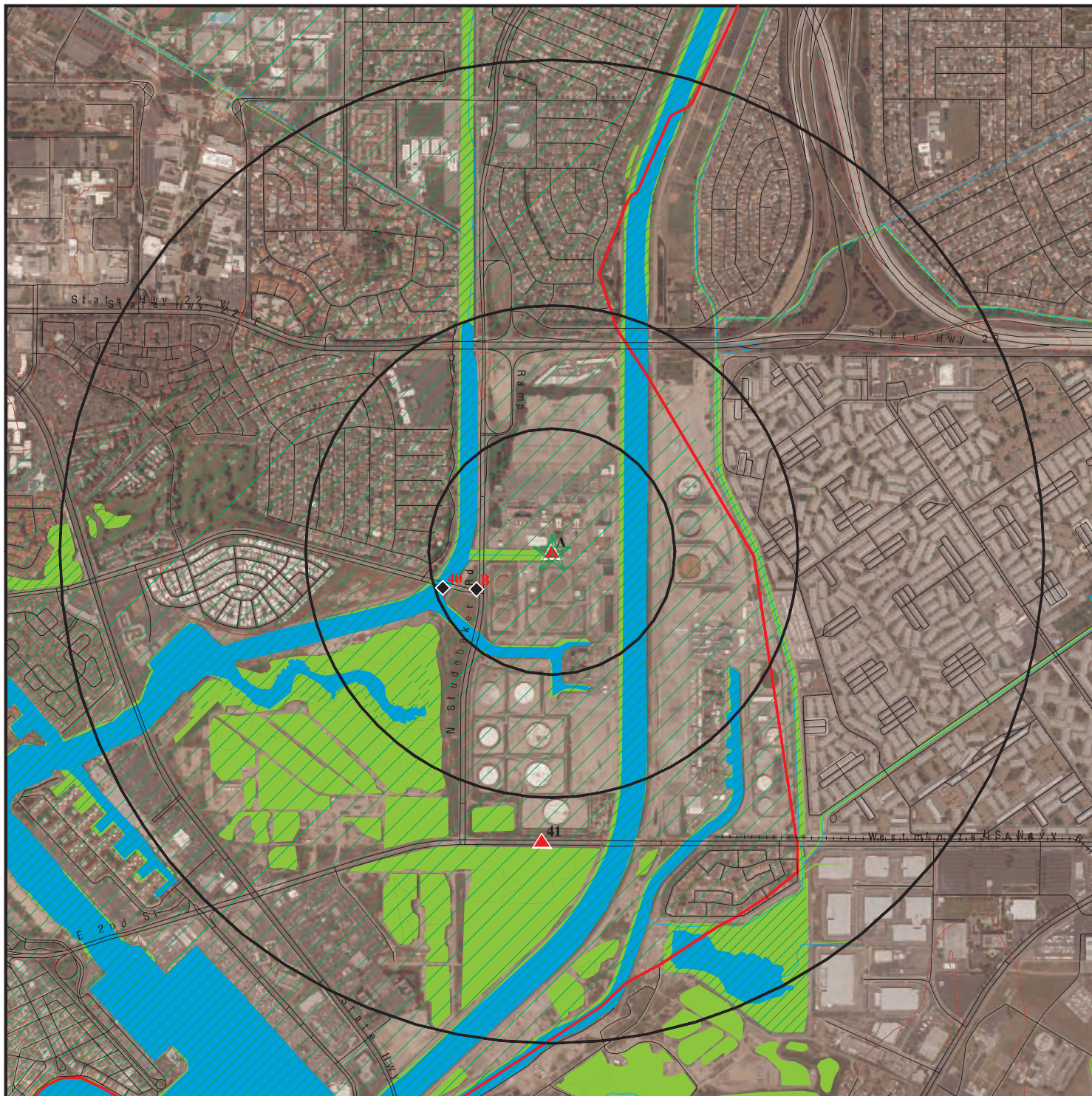
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>EPTC ALAMITOS PARCEL 3-4</i>	<i>692 NORTH STUDEBAKER ROWSW</i>	<i>1/8 - 1/4 (0.173 mi.)</i>	<i>B39</i>	<i>74</i>

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

<u>Site Name</u>	<u>Database(s)</u>
LOS ALAMITOS ARMED FORCES RESERVE	FTTS
LOS ALAMITOS ARMED FORCES RESERVE	FTTS
M&N TRUST	SWEEPS UST
DOW CHEMICAL CO SEAL BEACH PLT	CERCLIS-NFRAP
CITY DUMP AND SALVAGE	LF
CALTRANS	SLIC,HAZNET,LUST
BONANZA	HIST UST
CALTRANS	RCRA-SQG,FINDS
ROCKWELL INTERNATIONAL CORP	RCRA-SQG,FINDS
L 1019 LAWP HAYNES FACILITY	RCRA-LQG
	ERNS
	ERNS
	ERNS
	ERNS
	ERNS
	ERNS
	ERNS
	ERNS
ALAMITOS BARRIER PROJECT 1,2&3	FINDS
LOS ALAMITOS	FINDS
TEXACO USA-BRYANT LEASE	SLIC

OVERVIEW MAP - 3481159.1s



- ★ 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 Alamos Plant
 ADDRESS: 690 North Studebaker Road
 Long Beach CA 90803
 LAT/LONG: 33.7682 / 118.1007

CLIENT: Env. Management Strategies
 CONTACT: Ashley Flores
 INQUIRY #: 3481159.1s
 DATE: December 20, 2012 1:10 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<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	0.500		0	0	0	NR	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	1	0	0	0	0	NR	1
<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	0.250	1	0	0	NR	NR	NR	1
RCRA-SQG	0.250	1	0	0	NR	NR	NR	1
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
LUCIS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP	8	NR	NR	NR	NR	NR	8
<i>State- and tribal - equivalent NPL RESPONSE</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i>								
ENVIROSTOR	1.000		0	2	0	0	NR	2
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	1	0	NR	NR	1
WDS	TP	2	NR	NR	NR	NR	NR	2
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500	1	0	0	0	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250	1	0	0	NR	NR	NR	1
AST	0.250	1	0	1	NR	NR	NR	2
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								
VCP	0.500		0	1	0	NR	NR	1
INDIAN 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								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	3	0	NR	NR	3
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	1.000	1	0	0	0	1	NR	2
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	1	0	0	NR	NR	NR	1
HIST UST	0.250	3	0	0	NR	NR	NR	3
SWEEPS UST	0.250	1	0	0	NR	NR	NR	1
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	1	0	NR	NR	1
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP	11	NR	NR	NR	NR	NR	11

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen	0.250	1	0	0	NR	NR	NR	1
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	TP	3	NR	NR	NR	NR	NR	3
RAATS	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
NPDES	TP	2	NR	NR	NR	NR	NR	2
UIC	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
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	TP		NR	NR	NR	NR	NR	0
ENF	TP	1	NR	NR	NR	NR	NR	1
HAZNET	TP	3	NR	NR	NR	NR	NR	3
EMI	TP	2	NR	NR	NR	NR	NR	2
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	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
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP	1	NR	NR	NR	NR	NR	1
PRP	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
FINANCIAL ASSURANCE	TP		NR	NR	NR	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</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>
<u>EDR PROPRIETARY RECORDS</u>								
<i>EDR Proprietary Records</i>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist 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
Target
Property

ROSIE THE RIVETER CHARTER HIGH
690 STUDEBAKER RD
LONG BEACH, CA 90803

FINDS **1014673016**
N/A

Site 1 of 34 in cluster A

Actual:
12 ft.

FINDS:

Registry ID: 110043100211

Environmental Interest/Information System

NCES (National Center for Education Statistics) is the primary federal entity for collecting and analyzing data related to education in the United States and other nations and the institute of education sciences.

A2
Target
Property

ALAMITOS GENERATING STATION
690 STUDEBAKER RD
LONG BEACH, CA 90815

CA FID UST **S101618237**
SWEEPS UST **N/A**
WDS

Site 2 of 34 in cluster A

Actual:
12 ft.

CA FID UST:

Facility ID: 19028797
Regulated By: UTNKA
Regulated ID: 00066347
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2134300561
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: LONG BEACH 90815
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:

Status: A
Comp Number: 66347
Number: 1
Board Of Equalization: 44-007438
Ref Date: 03-30-93
Act Date: 10-26-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: 435
Swrcb Tank Id: 19-060-066347-000001
Actv Date: 07-01-85
Capacity: 1
Tank Use: OIL
Stg: W
Content: WASTE OIL
Number Of Tanks: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS GENERATING STATION (Continued)

S101618237

Status: A
Comp Number: 66347
Number: 1
Board Of Equalization: 44-007438
Ref Date: 03-30-93
Act Date: 10-26-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-060-066347-000002
Actv Date: 02-22-93
Capacity: 10000
Tank Use: M.V. FUEL
Stg: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: A
Comp Number: 66347
Number: 1
Board Of Equalization: 44-007438
Ref Date: 03-30-93
Act Date: 10-26-93
Created Date: 02-29-88
Tank Status: A
Owner Tank Id: TK 001
Swrcb Tank Id: 19-060-066347-000003
Actv Date: 02-22-93
Capacity: 20000
Tank Use: CHEMICAL
Stg: P
Content: AQUA AMMONIA
Number Of Tanks: Not reported

CA WDS:

Facility ID: Los Angeles River 192111006
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: CA0001139 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 3104937891
Facility Contact: Steven Maghy
Agency Name: AES ALAMITOS L.L.C.
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Private
SIC Code: 4911
SIC Code 2: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ALAMITOS GENERATING STATION (Continued)

S101618237

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: 1283
 Baseline Flow: 1275
 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.

**A3
 Target
 Property**

**AES ALAMITOS STATION, LLC
 690 STUDEBAKER
 LONG BEACH, CA 90803**

**EPA WATCH LIST 1014934326
 N/A**

Site 3 of 34 in cluster A

**Actual:
 12 ft.**

EPA WATCH LIST:
 Facility ID: 0603700005
 Program: CAA Facilities
 List date: June 2012 Watch List

 Facility ID: 0603700005
 Program: CAA Facilities
 List date: July 2012 Watch List

**A4
 Target
 Property**

**AES ALAMITOS LLC
 690 N. STUDEBAKER RD
 LONG BEACH, CA 90803**

**RCRA-LQG 1001217619
 HAZNET CAR000038265**

Site 4 of 34 in cluster A

**Actual:
 12 ft.**

RCRA-LQG:
 Date form received by agency: 06/15/2010
 Facility name: AES ALAMITOS LLC
 Facility address: 690 N. STUDEBAKER RD
 LONG BEACH, CA 90803
 EPA ID: CAR000038265
 Mailing address: 690 N. STUDEBAKER RD.
 LONG BEACH, CA 90803
 Contact: MIKE LINARES
 Contact address: 690 N. STUDEBAKER

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES ALAMITOS LLC (Continued)

1001217619

LONG BEACH, CA 90803
Contact country: US
Contact telephone: (562) 493-7863
Contact email: MIKE.LINARES@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: AES ALAMITOS LLC
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: 05/15/1998
Owner/Op end date: Not reported

Owner/operator name: AES ALAMITOS LLC
Owner/operator address: 690 N. STUDEBAKER RD.
LONG BEACH, CA 90803
Owner/operator country: US
Owner/operator telephone: (562) 493-7863
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/15/1998
Owner/Op end date: Not reported

Owner/operator name: AES ALAMITOS LLC
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES ALAMITOS LLC (Continued)

1001217619

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
Used 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: 02/12/2004
Facility name: AES ALAMITOS LLC
Classification: Small Quantity Generator

Date form received by agency: 02/05/2002
Facility name: AES ALAMITOS LLC
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Facility name: AES ALAMITOS LLC
Classification: Large Quantity Generator

Date form received by agency: 04/04/1998
Facility name: AES ALAMITOS LLC
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A 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: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

Waste code: D000
Waste name: Not Defined

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES ALAMITOS LLC (Continued)

1001217619

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: 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: D009
Waste name: MERCURY

Waste code: D018
Waste name: BENZENE

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

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

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES ALAMITOS LLC (Continued)

1001217619

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: 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): 4773.9

Waste code: D008
Waste name: LEAD
Amount (Lbs): 50

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 5

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/14/2010
Date achieved compliance: 08/17/2010
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/16/2010
Date achieved compliance: 02/16/2010
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES ALAMITOS LLC (Continued)

1001217619

Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/03/2008
Date achieved compliance: 06/25/2008
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/05/2005
Date achieved compliance: 05/31/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/05/2005
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

Evaluation Action Summary:
Evaluation date: 07/14/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/17/2010
Evaluation lead agency: State

Evaluation date: 02/16/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/16/2010
Evaluation lead agency: State

Evaluation date: 08/04/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/03/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/25/2008
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES ALAMITOS LLC (Continued)

1001217619

Evaluation date: 05/05/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/31/2005
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 11/29/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State Contractor/Grantee

HAZNET:

Year: 2005
Gepaid: CAR000038265
Contact: MR STEVE MAGHY, SAFETY AND ENV
Telephone: 5624937384
Mailing Name: Not reported
Mailing Address: 690 STUDEBAKER RD
Mailing City,St,Zip: LONG BEACH, CA 908030000
Gen County: Los Angeles
TSD EPA ID: AZC950823111
TSD County: 99
Waste Category: Asbestos containing waste
Disposal Method: Not reported
Tons: 10.61
Facility County: Not reported

Year: 2004
Gepaid: CAR000038265
Contact: MR STEVE MAGHY, SAFETY AND ENV
Telephone: 5624937384
Mailing Name: Not reported
Mailing Address: 690 STUDEBAKER RD
Mailing City,St,Zip: LONG BEACH, CA 908030000
Gen County: Los Angeles
TSD EPA ID: AZC950823111
TSD County: 99
Waste Category: Asbestos containing waste
Disposal Method: Not reported
Tons: 10.61
Facility County: Not reported

Year: 2003
Gepaid: CAR000038265
Contact: MR STEVE MAGHY, SAFETY AND ENV
Telephone: 5624937384
Mailing Name: Not reported
Mailing Address: 690 STUDEBAKER RD
Mailing City,St,Zip: LONG BEACH, CA 908030000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Treatment, Tank
Tons: 4.58
Facility County: Los Angeles

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES ALAMITOS LLC (Continued)

1001217619

Year: 2003
Gepaid: CAR000038265
Contact: MR STEVE MAGHY, SAFETY AND ENV
Telephone: 5624937384
Mailing Name: Not reported
Mailing Address: 690 STUDEBAKER RD
Mailing City,St,Zip: LONG BEACH, CA 908030000
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Treatment, Tank
Tons: 7.08
Facility County: Los Angeles

Year: 2003
Gepaid: CAR000038265
Contact: MR STEVE MAGHY, SAFETY AND ENV
Telephone: 5624937384
Mailing Name: Not reported
Mailing Address: 690 STUDEBAKER RD
Mailing City,St,Zip: LONG BEACH, CA 908030000
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Waste Category: Other inorganic solid waste
Disposal Method: Not reported
Tons: 0.83
Facility County: Los Angeles

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

A5 **AES ALAMITOS LLC**
Target **690 N STUDEBAKER RD**
Property **LONG BEACH, CA 90803**

HAZNET **S108741828**
N/A

Site 5 of 34 in cluster A

Actual:
12 ft.

HAZNET:
Year: 2011
Gepaid: CAR000038265
Contact: MIKE LINARES/ENVIRONMENTAL COR
Telephone: 5624937863
Mailing Name: Not reported
Mailing Address: 690 N STUDEBAKER RD
Mailing City,St,Zip: LONG BEACH, CA 908032221
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.005
Facility County: Los Angeles

Year: 2011
Gepaid: CAR000038265
Contact: MIKE LINARES/ENVIRONMENTAL COR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES ALAMITOS LLC (Continued)

S108741828

Telephone: 5624937863
Mailing Name: Not reported
Mailing Address: 690 N STUDEBAKER RD
Mailing City,St,Zip: LONG BEACH, CA 908032221
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery
(H010-H129) Or (H131-H135)
Tons: 0.3
Facility County: Los Angeles

Year: 2011
Gepaid: CAR000038265
Contact: MIKE LINARES/ENVIRONMENTAL COR
Telephone: 5624937863
Mailing Name: Not reported
Mailing Address: 690 N STUDEBAKER RD
Mailing City,St,Zip: LONG BEACH, CA 908032221
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Not reported
Disposal Method: Not reported
Tons: Not reported
Facility County: Los Angeles

Year: 2011
Gepaid: CAR000038265
Contact: MIKE LINARES/ENVIRONMENTAL COR
Telephone: 5624937863
Mailing Name: Not reported
Mailing Address: 690 N STUDEBAKER RD
Mailing City,St,Zip: LONG BEACH, CA 908032221
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.02085
Facility County: Los Angeles

Year: 2011
Gepaid: CAR000038265
Contact: MIKE LINARES/ENVIRONMENTAL COR
Telephone: 5624937863
Mailing Name: Not reported
Mailing Address: 690 N STUDEBAKER RD
Mailing City,St,Zip: LONG BEACH, CA 908032221
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified aqueous solution
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AES ALAMITOS LLC (Continued)

S108741828

Tons: 95.655
Facility County: Los Angeles

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

**A6
Target
Property**

**690 N. STUDEBAKER RD.
LONG BEACH, CA**

**CHMIRS S107450614
N/A**

Site 6 of 34 in cluster A

**Actual:
12 ft.**

CHMIRS:
OES Incident Number: 07-2370
OES notification: 4/17/2007 03:21:48 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: Serritos Channel
Spill Site: Not reported
Cleanup By: Contractor
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S107450614

Other: Not reported
Date/Time: Not reported
Year: 2007
Agency: AES Alamitos LLC
Incident Date: 4/17/2007 12:00:00 AM
Admin Agency: Long Beach Fire Department
Amount: Not reported
Contained: Yes
Site Type: Waterways
E Date: Not reported
Substance: Nalco 7330
Quantity Released: Not reported
BBLs: 0
Cups: 0
CUFT: 0
Gallons: 0.000000
Grams: 0
Pounds: 0
Liters: 0
Ounces: 1
Pints: 0
Quarts: 0
Sheen: 0
Tons: 0
Unknown: 0
Evacuations: 0
Number of Injuries: 0
Number of Fatalities: 0
Description: The substance was mixed with 100 gallons of water (.87 PPM).

OES Incident Number: 04-6199
OES notification: 11/29/200408:38:48 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 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S107450614

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:	Cerritos Channel
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:	2004
Agency:	AES Alamos
Incident Date:	11/29/2004 12:00:00 AM
Admin Agency:	Long Beach Fire Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Utilities/Substation
E Date:	Not reported
Substance:	Oil
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	20
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:	A tank overflowed during a flushing process. The oil spilled into a storm drain that flows into the Cerritos Channel.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

A7
Target 690 STUDEBAKER RD GENERATING STATIONS
Property LONG BEACH, CA 90803

CHMIRS S105641902
N/A

Site 7 of 34 in cluster A

Actual:
12 ft.

CHMIRS:
OES Incident Number: 006784
OES notification: Not reported
OES Date: 2/14/1995
OES Time: 01:13:24 PM
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: YES
Waterway: Not reported
Spill Site: Not reported
Cleanup By: southern cal edison will supervise
Containment: Not reported
What Happened: Not reported
Type: PETROLEUM
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 1995
Agency: southern cal edison
Incident Date: 0200/14feb95
Admin Agency: Not reported
Amount: approx 2,000 gals

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S105641902

Contained: NO
Site Type: OTHER
E Date: Not reported
Substance: hydraulic oil
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: NO
Number of Injuries: NO
Number of Fatalities: NO
Description: coupling on boiler was faulty causing the release of oil in the feed pump, spill stayed on concrete within facility

A8
Target
Property

690 NORTH STUDEBAKER ROAD
LONG BEACH, CA 90804

CHMIRS S108401049
N/A

Site 8 of 34 in cluster A

Actual:
12 ft.

CHMIRS:
OES Incident Number: 05-0244
OES notification: 1/10/200504:02:12 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S108401049

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:	Cerritos Channel
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:	2005
Agency:	Pacific Energy
Incident Date:	1/10/200512:00:00 AM
Admin Agency:	Long Beach Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	fuel oil
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	1/4
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:	Released due to an overflow of a sump from the rain. Unknown if it reached water, haven't been able to see anything in the water.

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

A9		ERNS	2011967975
Target	690 STUDEBAKER RD		N/A
Property	LONG BEACH, CA 90803		

Site 9 of 34 in cluster A

Actual: 12 ft. [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A10		ERNS	2004742687
Target	690 STUDEBAKER RD		N/A
Property	LONG BEACH, CA		

Site 10 of 34 in cluster A

Actual: 12 ft. [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A11		ERNS	97414682
Target	690 STUDEBAKER RD LONG BEACH CA		N/A
Property	LONG BEACH, CA 90803		

Site 11 of 34 in cluster A

Actual: 12 ft. [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

A12		EMI	S106839612
Target	SO CAL EDISON CO		N/A
Property	690 STUDEBAKER RD		
	LONG BEACH, CA 90815		

Site 12 of 34 in cluster A

Actual: 12 ft.

EMI:	
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	800125
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:	287
Reactive Organic Gases Tons/Yr:	133
Carbon Monoxide Emissions Tons/Yr:	458
NOX - Oxides of Nitrogen Tons/Yr:	2377
SOX - Oxides of Sulphur Tons/Yr:	218
Particulate Matter Tons/Yr:	93
Part. Matter 10 Micrometers & Smllr Tons/Yr:	92
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	800125
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL EDISON CO (Continued)

S106839612

Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 189
Reactive Organic Gases Tons/Yr: 97
Carbon Monoxide Emissions Tons/Yr: 292
NOX - Oxides of Nitrogen Tons/Yr: 1555
SOX - Oxides of Sulphur Tons/Yr: 373
Particulate Matter Tons/Yr: 95
Part. Matter 10 Micrometers & Smlr Tons/Yr: 93

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 800125
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: 524
Reactive Organic Gases Tons/Yr: 226
Carbon Monoxide Emissions Tons/Yr: 339
NOX - Oxides of Nitrogen Tons/Yr: 1186
SOX - Oxides of Sulphur Tons/Yr: 21
Particulate Matter Tons/Yr: 56
Part. Matter 10 Micrometers & Smlr Tons/Yr: 56

Year: 1996
County Code: 19
Air Basin: SC
Facility ID: 800125
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: 86
Reactive Organic Gases Tons/Yr: 36
Carbon Monoxide Emissions Tons/Yr: 320
NOX - Oxides of Nitrogen Tons/Yr: 653
SOX - Oxides of Sulphur Tons/Yr: 21
Particulate Matter Tons/Yr: 53
Part. Matter 10 Micrometers & Smlr Tons/Yr: 53

Year: 1997
County Code: 19
Air Basin: SC
Facility ID: 800125
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: 93
Reactive Organic Gases Tons/Yr: 31
Carbon Monoxide Emissions Tons/Yr: 284
NOX - Oxides of Nitrogen Tons/Yr: 718

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SO CAL EDISON CO (Continued)

S106839612

SOX - Oxides of Sulphur Tons/Yr:	16
Particulate Matter Tons/Yr:	47
Part. Matter 10 Micrometers & Smlr Tons/Yr:	47
Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	800125
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:	103
Reactive Organic Gases Tons/Yr:	33
Carbon Monoxide Emissions Tons/Yr:	284
NOX - Oxides of Nitrogen Tons/Yr:	718
SOX - Oxides of Sulphur Tons/Yr:	16
Particulate Matter Tons/Yr:	47
Part. Matter 10 Micrometers & Smlr Tons/Yr:	47
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	800125
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:	93
Reactive Organic Gases Tons/Yr:	31
Carbon Monoxide Emissions Tons/Yr:	284
NOX - Oxides of Nitrogen Tons/Yr:	718
SOX - Oxides of Sulphur Tons/Yr:	16
Particulate Matter Tons/Yr:	47
Part. Matter 10 Micrometers & Smlr Tons/Yr:	47
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	800125
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:	93
Reactive Organic Gases Tons/Yr:	31
Carbon Monoxide Emissions Tons/Yr:	284
NOX - Oxides of Nitrogen Tons/Yr:	718
SOX - Oxides of Sulphur Tons/Yr:	16
Particulate Matter Tons/Yr:	47
Part. Matter 10 Micrometers & Smlr Tons/Yr:	47

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A13
Target
Property

SCE, ALAMITOS GENERATING STA.
690 STUDEBAKER ROAD
LONG BEACH, CA 90803

Toxic Pits S100676271
N/A

Site 13 of 34 in cluster A

Actual:
12 ft.

Toxic Pits:
Region: 04
Task #: 04010
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

A14
Target
Property

EDISON O AND M SERVICES
690 STUDEBAKER RD BLDG 2
LONG BEACH, CA 90803

RCRA-NonGen 1004677374
FINDS CAR000096438

Site 14 of 34 in cluster A

Actual:
12 ft.

RCRA-NonGen:
Date form received by agency: 09/27/2001
Facility name: EDISON O AND M SERVICES
Facility address: 690 STUDEBAKER RD BLDG 2
LONG BEACH, CA 90803
EPA ID: CAR000096438
Contact: GREGORY HOXENG
Contact address: 955 OVERLAND CT
SAN DIMAS, CA 91773
Contact country: US
Contact telephone: (909) 450-6774
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: A E S ALAMITOS L L C
Owner/operator address: 690 STUDEBAKER RD
LONG BEACH, CA 90803
Owner/operator country: Not reported
Owner/operator telephone: (562) 493-7891
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EDISON O AND M SERVICES (Continued)

1004677374

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: 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: D008
Waste name: LEAD

Waste code: D009
Waste name: MERCURY

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

Waste code: 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.

Violation Status: No violations found

FINDS:

Registry ID: 110012208734

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EDISON O AND M SERVICES (Continued)

1004677374

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.

A15
Target
Property

SCE-ALAMITOS GEN STA-4 D/W O-C, JOOR, XERX
0690 STUDEBAKER RD
LONG BEACH, CA

UST **U003661560**
N/A

Site 15 of 34 in cluster A

Actual:
12 ft.

LONG BEACH UST:
 Region: LONG BEACH
 Tank Code: Dual Walled
 Tank Test: Dual Walled
 Leak Test: Not reported

A16
Target
Property

690 STUDEBAKER RD.
LONG BEACH, CA 90803

CHMIRS **S108401047**
N/A

Site 16 of 34 in cluster A

Actual:
12 ft.

CHMIRS:
 OES Incident Number: 05-0242
 OES notification: 1/10/200503:51:54 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S108401047

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: 2005
Agency: AES Alamos
Incident Date: 1/10/200512:00:00 AM
Admin Agency: Long Beach Fire Department
Amount: Not reported
Contained: Yes
Site Type: Utilities/Substation
E Date: Not reported
Substance: Lube Oil
Quantity Released: Not reported
BBLS: 0
Cups: 0
CUFT: 0
Gallons: 10
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: Release is under investigation at this time. Product is contained within the channel that is used to cool the systems.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

A17
Target
Property

690 STUDEBAKER RD.
LONG BEACH, CA

CHMIRS S107450615
N/A

Site 17 of 34 in cluster A

Actual:
12 ft.

CHMIRS:
OES Incident Number: 04-0095
OES notification: 1/6/200403:58:13 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: Not reported
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 2004
Agency: AES
Incident Date: 1/6/200412:00:00 AM
Admin Agency: Long Beach Fire Department
Amount: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

S107450615

Contained: Yes
 Site Type: Utilities/Substation
 E Date: Not reported
 Substance: Crude 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: A pump blew out and caused spill.

A18
Target
Property

ALAMITOS GENERATING STATION
690 NORTH STUDEBAKER ROAD
LONG BEACH, CA 90803

SLIC S104549313
ENF N/A

Site 18 of 34 in cluster A

Actual:
12 ft.

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

ENF:
 Region: 4
 Facility Id: 207266
 Agency Name: AES Alamitos LLC
 Place Type: Facility
 Place Subtype: Power Plant
 Facility Type: Industrial
 Agency Type: Privately-Owned Business
 # Of Agencies: 1
 Place Latitude: 33.7659200
 Place Longitude: -118.10366
 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS GENERATING STATION (Continued)

S104549313

NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	1282.8
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:	4B192111006
Reg Measure Id:	148236
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-082
Npdes# CA#:	CA0001139
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:	11/18/2010
Effective Date:	06/29/2000
Expiration/Review Date:	01/01/2010
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):	352440
Region:	4
Order / Resolution Number:	R4-2008-0057-M
Enforcement Action Type:	Admin Civil Liability
Effective Date:	08/29/2008
Adoption/Issuance Date:	01/22/2009
Achieve Date:	Not reported
Termination Date:	02/02/2009
ACL Issuance Date:	01/22/2009
EPL Issuance Date:	08/29/2008
Status:	Historical
Title:	Stipulated Order R4-2008-0057-M for \$87,000 issued 1/22/09.
Description:	Expedited Settlement Ltr sent 8/29/08 for 34 effluent & 1 late report. MMP amt for 28 eligible effluent violations: \$84,000 to CAA. MMP amt for 1 late report: \$3,000 to CAA. Stipulated Order R4-2008-0057-M for \$87,000 issued 1/22/09.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS GENERATING STATION (Continued)

S104549313

Program:	NPDES
Latest Milestone Completion Date:	02/02/2009
# Of Programs1:	1
Total Assessment Amount:	87000
Initial Assessed Amount:	87000
Liability \$ Amount:	87000
Project \$ Amount:	0
Liability \$ Paid:	87000
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	87000
Region:	4
Facility Id:	207266
Agency Name:	AES Alamitos LLC
Place Type:	Facility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	33.7659200
Place Longitude:	-118.10366
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:	1282.8
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:	4B192111006
Reg Measure Id:	148236
Reg Measure Type:	NPDES Permits
Region:	4
Order #:	00-082
Npdes# CA#:	CA0001139
Major-Minor:	Major
Npdes Type:	OTH
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	N
Application Fee Amt Received:	20000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS GENERATING STATION (Continued)

S104549313

Status: Active
Status Date: 11/18/2010
Effective Date: 06/29/2000
Expiration/Review Date: 01/01/2010
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): 349106
Region: 4
Order / Resolution Number: NOV
Enforcement Action Type: Notice of Violation
Effective Date: 05/30/2008
Adoption/Issuance Date: 05/30/2008
Achieve Date: Not reported
Termination Date: 05/30/2008
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: NOV sent 5/30/08 for 31 permit effluent violations of Order 00-082.
Description: NOV sent 5/30/08 for 31 permit effluent violations of Order 00-082.
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

A19
Target
Property

690 NORTH STUDEBAKER ROAD
LONG BEACH, CA 90803

ERNS 99640715
N/A

Site 19 of 34 in cluster A

Actual:
12 ft.

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)
EDR ID Number
EPA ID Number

A20
Target 690 NORTH STUDEBAKER RD, A POWER GENERATING STATION
Property LONG BEACH, CA 90803

CHMIRS S106393493
N/A

Site 20 of 34 in cluster A

Actual:
12 ft.

CHMIRS:
OES Incident Number: 99-3840
OES notification: 9/12/199908:31:22 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: Yes
Waterway: a feeder canal
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: 1999
Agency: Edison Pipeline
Incident Date: 9/12/199912:00:00 AM
Admin Agency: Long Beach Fire Department
Amount: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

S106393493

Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	fuel oil
Quantity Released:	Not reported
BBLs:	5
Cups:	0
CUFT:	0
Gallons:	0
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:	A valve problem, not determined as yet. All contained, including that in canal

**A21
 Target
 Property**

**690 NORTH STUDEBAKER
 LONG BEACH, CA**

**ERNS 2005615351
 N/A**

Site 21 of 34 in cluster A

**Actual:
 12 ft.**

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

**A22
 Target
 Property**

**690 N. STUDEBAKER ROAD
 LONG BEACH, CA 90803**

**ERNS 2004742660
 N/A**

Site 22 of 34 in cluster A

**Actual:
 12 ft.**

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

**A23
 Target
 Property**

**690 N. STUDEBAKER ROAD
 LONG BEACH, CA**

**ERNS 2005600693
 N/A**

Site 23 of 34 in cluster A

**Actual:
 12 ft.**

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPTC ALAMITOS (Continued)

1000167573

Actual Date: 09/01/2006
Action: CA100 - RFI Imposition
NAICS Code(s): Not reported
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-SQG:

Date form received by agency: 03/04/1999
Facility name: EPTC ALAMITOS
Site name: ALAMITOS GENERATING STATION
Facility address: 690 N. STUDEBAKER RD.
LONG BEACH, CA 90815
EPA ID: CAD009694795
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 ALAMITOS
Classification: Small Quantity Generator

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPTC ALAMITOS (Continued)

1000167573

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

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

Date form received by agency: 02/28/1992
Facility name: EPTC ALAMITOS
Site name: SOUTHERN CALIFORNIA EDISON ALA
Classification: Large Quantity Generator

Date form received by agency: 03/28/1990
Facility name: EPTC ALAMITOS
Site name: SOUTHERN CALIFORNIA EDISON ALAMIT
Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 09/01/2006
Event: RFI Imposition

Event date: 01/20/2007
Event: RFI Workplan Received

Event date: 07/31/2007
Event: RFI Workplan Approved

Event date: 08/28/2007
Event: RFI Workplan Approved

Event date: 08/24/2011
Event: RFI Workplan Received

Event date: 10/04/2011
Event: RFI Workplan Modification Requested By Agency

Event date: 10/04/2011
Event: RFI Workplan Notice Of Deficiency Issued

Event date: 01/31/2012
Event: RFI Workplan Approved

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPTC ALAMITOS (Continued)

1000167573

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

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: 1950000
Paid penalty amount: 1633200

Regulation violated: FR - 264.190-201.J
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
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: 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 - 264.190-201.J
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPTC ALAMITOS (Continued)

1000167573

Final penalty amount: 1950000
Paid penalty amount: 1633200

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: 1950000
Paid penalty amount: 1633200

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 - 264.220-230.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: 1950000
Paid penalty amount: 1633200

Evaluation Action Summary:
Evaluation date: 05/30/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/22/2001
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

EPTC ALAMITOS (Continued)

1000167573

Evaluation date: 10/28/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/12/1993
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: TSD - General
Date achieved compliance: 02/01/1995
Evaluation lead agency: State

Evaluation date: 03/12/1993
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 02/01/1995
Evaluation lead agency: State

Evaluation date: 03/12/1993
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Generators - General
Date achieved compliance: 02/01/1995
Evaluation lead agency: State

FINDS:

Registry ID: 110000522113

Environmental Interest/Information System

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

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPTC ALAMITOS (Continued)

1000167573

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 facilities.

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.

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

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

ELECTRIC GENERATOR

HAZARDOUS WASTE BIENNIAL REPORTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

GREENHOUSE GAS REPORTER

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).

NY MANIFEST:

EPA ID: CAD009694795
Country: USA
Mailing Name: SOUTHERN CALIFORNIA EDISON
Mailing Contact: STEVE MAGHY
Mailing Address: 690 N STUDEBAKER RD
Mailing Address 2: Not reported
Mailing City: LONG BEACH
Mailing State: CA

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EPTC ALAMITOS (Continued)

1000167573

Mailing Zip: 90815
 Mailing Zip4: Not reported
 Mailing Country: USA
 Mailing Phone: 213-493-7384

Document ID: NYB5421177
 Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC
 Trans1 State ID: Not reported
 Trans2 State ID: Not reported
 Generator Ship Date: 931214
 Trans1 Recv Date: 931214
 Trans2 Recv Date: Not reported
 TSD Site Recv Date: 940105
 Part A Recv Date: Not reported
 Part B Recv Date: 940119
 Generator EPA ID: CAD009694795
 Trans1 EPA ID: MOD095038998
 Trans2 EPA ID: Not reported
 TSDf ID: NYD048148175
 Waste Code: D009 - MERCURY 0.2 MG/L TCLP
 Quantity: 00240
 Units: P - Pounds
 Number of Containers: 003
 Container Type: DM - Metal drums, barrels
 Handling Method: R Material recovery of more than 75 percent of the total material.
 Specific Gravity: 100
 Year: 93

**A27
 Target
 Property**

**ALAMITOS PUMP STATION
 690 N STUDEBAKER RD
 LONG BEACH, CA 90815**

**HIST UST U001566349
 N/A**

Site 27 of 34 in cluster A

**Actual:
 12 ft.**

HIST UST:
 Region: STATE
 Facility ID: 00000066357
 Facility Type: Other
 Other Type: ELECTRIC UTILITY
 Total Tanks: 0004
 Contact Name: MARIO A. FAVARO
 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: 7
 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: 8

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ALAMITOS PUMP STATION (Continued)

U001566349

Year Installed: 1984
 Tank Capacity: 00000800
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Tank Construction: 6 inches
 Leak Detection: None

Tank Num: 003
 Container Num: 9
 Year Installed: 1984
 Tank Capacity: 00000800
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Tank Construction: 6 inches
 Leak Detection: None

Tank Num: 004
 Container Num: 13
 Year Installed: 1984
 Tank Capacity: 00000800
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Tank Construction: 6 centimeters
 Leak Detection: None

**A28
 Target
 Property**

**ALAMITOS PUMPING & HEATING FAC
 690 N STUDEBAKER RD
 LONG BEACH, CA 91770**

**NPDES
 HIST UST
 CHMIRS
 HAZNET
 EMI**

**U001570459
 N/A**

Site 28 of 34 in cluster A

**Actual:
 12 ft.**

NPDES:
 Npdes Number: CAS000001
 Facility Status: Active
 Agency Id: 0
 Region: 4
 Regulatory Measure Id: 351299
 Order No: 97-03-DWQ
 Regulatory Measure Type: Enrollee
 Place Id: Not reported
 WDID: 4 19I021763
 Program Type: Industrial
 Adoption Date Of Regulatory Measure: Not reported
 Effective Date Of Regulatory Measure: 08/26/2008
 Expiration Date Of Regulatory Measure: Not reported
 Termination Date Of Regulatory Measure: Not reported
 Discharge Name: Plains West Coast Terminals LLC
 Discharge Address: 5900 Cherry Ave
 Discharge City: Long Beach
 Discharge State: California
 Discharge Zip: 90805

HIST UST:
 Region: STATE
 Facility ID: 00000022165
 Facility Type: Other
 Other Type: ELECTIC UTILITY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS PUMPING & HEATING FAC (Continued)

U001570459

Total Tanks: 0002
Contact Name: M. A. FAVARO
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: 36
Year Installed: 1972
Tank Capacity: 00001100
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 37
Year Installed: 1968
Tank Capacity: 00001100
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Tank Construction: Not reported
Leak Detection: None

CHMIRS:

OES Incident Number: 11-1018
OES notification: 2011-02-19 08:44:00
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS PUMPING & HEATING FAC (Continued)

U001570459

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: No
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 1998
Agency: Edison Pipeline
Incident Date: 8/20/1998 12:00:00 AM
Admin Agency: Long Beach Fire Department
Amount: Not reported
Contained: Yes
Site Type: Pipe Line
E Date: Not reported
Substance: #6 fuel oil
Quantity Released: Not reported
BBLs: 5
Cups: 0
CUFT: 0
Gallons: 0.000000
Grams: 0
Pounds: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS PUMPING & HEATING FAC (Continued)

U001570459

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: Ruptured pipeline at a generating station is suspected to be cause of release. Investigation is still on going. Flow is stopped and contained. Cleanup crews enroute. Oil did make it to water (intake for AES Alamitas Generating station) which feedds from the San Gabriel River. It has not flowed back into the river.

HAZNET:

Year: 2010
Gepaid: CAC002658387
Contact: TOM DEAN
Telephone: 5624277383
Mailing Name: Not reported
Mailing Address: 3626 LONG BEACH BLVD
Mailing City,St,Zip: LONG BEACH, CA 90807
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 5.421
Facility County: Los Angeles

Year: 2010
Gepaid: CAC002658387
Contact: TOM DEAN
Telephone: 5624277383
Mailing Name: Not reported
Mailing Address: 3626 LONG BEACH BLVD
Mailing City,St,Zip: LONG BEACH, CA 90807
Gen County: Not reported
TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 2.502
Facility County: Los Angeles

Year: 2010
Gepaid: CAC002658387
Contact: TOM DEAN
Telephone: 5624277383
Mailing Name: Not reported
Mailing Address: 3626 LONG BEACH BLVD
Mailing City,St,Zip: LONG BEACH, CA 90807
Gen County: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS PUMPING & HEATING FAC (Continued)

U001570459

TSD EPA ID: CAD982444481
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 16.856
Facility County: Los Angeles

EMI:

Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 115394
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: 1204
Reactive Organic Gases Tons/Yr: 246
Carbon Monoxide Emissions Tons/Yr: 21
NOX - Oxides of Nitrogen Tons/Yr: 1462
SOX - Oxides of Sulphur Tons/Yr: 27
Particulate Matter Tons/Yr: 338
Part. Matter 10 Micrometers & Smlr Tons/Yr: 338

Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 115394
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: 273
Reactive Organic Gases Tons/Yr: 115
Carbon Monoxide Emissions Tons/Yr: 2498
NOX - Oxides of Nitrogen Tons/Yr: 156
SOX - Oxides of Sulphur Tons/Yr: 14
Particulate Matter Tons/Yr: 131
Part. Matter 10 Micrometers & Smlr Tons/Yr: 131

Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 115394
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: 273
Reactive Organic Gases Tons/Yr: 115
Carbon Monoxide Emissions Tons/Yr: 2498
NOX - Oxides of Nitrogen Tons/Yr: 156
SOX - Oxides of Sulphur Tons/Yr: 14

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS PUMPING & HEATING FAC (Continued)

U001570459

Particulate Matter Tons/Yr:	131
Part. Matter 10 Micrometers & Smlr Tons/Yr:	131
Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	115394
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:	272.5461843
Reactive Organic Gases Tons/Yr:	114.65
Carbon Monoxide Emissions Tons/Yr:	2497.598492
NOX - Oxides of Nitrogen Tons/Yr:	156.287991
SOX - Oxides of Sulphur Tons/Yr:	13.551072
Particulate Matter Tons/Yr:	130.7373918
Part. Matter 10 Micrometers & Smlr Tons/Yr:	130.72
Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	115394
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:	47.2250976
Reactive Organic Gases Tons/Yr:	19.94326878976
Carbon Monoxide Emissions Tons/Yr:	349.64963
NOX - Oxides of Nitrogen Tons/Yr:	71.37025
SOX - Oxides of Sulphur Tons/Yr:	7.258805
Particulate Matter Tons/Yr:	40.5831228
Part. Matter 10 Micrometers & Smlr Tons/Yr:	40.5800366005
Year:	2006
County Code:	19
Air Basin:	SC
Facility ID:	115394
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:	36.37960466549368382
Reactive Organic Gases Tons/Yr:	15.39
Carbon Monoxide Emissions Tons/Yr:	520.879
NOX - Oxides of Nitrogen Tons/Yr:	38.379
SOX - Oxides of Sulphur Tons/Yr:	4.068
Particulate Matter Tons/Yr:	11.251
Part. Matter 10 Micrometers & Smlr Tons/Yr:	11.2462
Year:	2007
County Code:	19
Air Basin:	SC

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS PUMPING & HEATING FAC (Continued)

U001570459

Facility ID: 115394
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: 80.97128923613760884
Reactive Organic Gases Tons/Yr: 34.226118125
Carbon Monoxide Emissions Tons/Yr: 857.0545645
NOX - Oxides of Nitrogen Tons/Yr: 73.36039091493466721
SOX - Oxides of Sulphur Tons/Yr: 7.902185975
Particulate Matter Tons/Yr: 17.603791137
Part. Matter 10 Micrometers & Smlr Tons/Yr: 17.5987770003466

Year: 2007
County Code: 19
Air Basin: SC
Facility ID: 115394
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: 36.35585200688226660
Reactive Organic Gases Tons/Yr: 15.39
Carbon Monoxide Emissions Tons/Yr: 520.879
NOX - Oxides of Nitrogen Tons/Yr: 38.379
SOX - Oxides of Sulphur Tons/Yr: 4.068
Particulate Matter Tons/Yr: 11.251
Part. Matter 10 Micrometers & Smlr Tons/Yr: 11.246788

A29
Target
Property

690 NORTH STUDEBAKER RD
LONG BEACH, CA

CHMIRS S105648198
N/A

Site 29 of 34 in cluster A

Actual:
12 ft.

CHMIRS:
OES Incident Number: 97-4832
OES notification: 12/6/199701:25:24 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S105648198

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: No
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 1997
Agency: SO CAL EDISON
Incident Date: 12/6/1997 12:00:00 AM
Admin Agency: Not reported
Amount: Not reported
Contained: Yes
Site Type: Industrial Plant
E Date: Not reported
Substance: OIL
Quantity Released: Not reported
BBLS: 0
Cups: 0
CUFT: 0
Gallons: 1
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: TROUGH OVER FLOWED, OIL WENT INTO THE DRAIN SYSTEM TRAPPED INSIDE THE FACILITY

OES Incident Number: '08-2148

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S105648198

OES notification: 3/18/2008 1:48:11 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: No
Waterway: Not reported
Spill Site: Industrial Plant
Cleanup By: Reporting Party
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Gal(s)
Other: Not reported
Date/Time: 1312
Year: 2008
Agency: AES Alamos
Incident Date: 3/18/2008
Admin Agency: Long Beach Fire Department
Amount: Not reported
Contained: Yes
Site Type: Not reported
E Date: Not reported
Substance: Mineral Oil-non PCB
Quantity Released: 10
BBLs: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

S105648198

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:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	A tank broke and caused release of substance.

**A30
 Target
 Property**

**US BUREAU REC. PILOT PROJ.
 690 N STUDEBAKER RD
 LONG BEACH, CA 90803**

**WDS S106800604
 N/A**

Site 30 of 34 in cluster A

**Actual:
 12 ft.**

CA WDS:

Facility ID:	Los Angeles River 197600038
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:	CAG994005 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3109543700
Facility Contact:	Jim Burton
Agency Name:	PSOMAS
Agency Address:	Not reported
Agency City,St,Zip:	0
Agency Contact:	Not reported
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	8711
SIC Code 2:	Not reported
Primary Waste:	Miscellaneous (Includes wastes from dewatering, recreational lake overflow, swimming pool wastes, water ride wastewater, ground water seepage and other wastes of this type)
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	0
Complexity:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

A31
Target
Property

UNIT #3, 690 NORTH STUDEBAKER RD
LONG BEACH, CA 90803

CHMIRS S110981231
N/A

Site 31 of 34 in cluster A

Actual:
12 ft.

CHMIRS:
OES Incident Number: '10-5145
OES notification: 8/27/2010 8:11:00 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 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: No
Waterway: Not reported
Spill Site: Other
Cleanup By: Contractor
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Gal(s)
Other: Not reported
Date/Time: 320
Year: 2010
Agency: AES Alamitos
Incident Date: 8/27/2010
Admin Agency: Long Beach Fire Department
Amount: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

S110981231

Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Lube Oil
Quantity Released:	30
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:	A lube oil leak from a seal oil system caused this release primarily within the containment area, but about 1.5 gallons spilled/splashed to the pavement outside the containment area.

A32
 Target
 Property

TANK FARM @ 690 N. STUDEBAKER RD.
 LONG BEACH, CA 90805

CHMIRS S108403775
 N/A

Site 32 of 34 in cluster A

Actual:
 12 ft.

CHMIRS:

OES Incident Number:	05-3682
OES notification:	6/20/200512:28:33 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S108403775

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:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Pacific Energy Partners
Incident Date:	6/19/2005 12:00:00 AM
Admin Agency:	Long Beach Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Fuel Oil
Quantity Released:	Not reported
BBLS:	0
Cups:	0
CUFT:	0
Gallons:	5
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:	Release is from the bottom of a storage tank due to corrosion.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A33 **ALAMITOS GENERATING STATION**
Target **690 N STUDEBAKER RD**
Property **LONG BEACH, CA 90815**

HIST UST **U001566347**
 N/A

Site 33 of 34 in cluster A

Actual:
12 ft.

HIST UST:
Region: STATE
Facility ID: 00000022174
Facility Type: Other
Other Type: ELECTRIC UTILITY
Total Tanks: 0025
Contact Name: R. YOUNG, ENGR AIDE
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: 84
Year Installed: Not reported
Tank Capacity: 01200000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 001
Container Num: 435
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: 5
Tank Construction: Unkown centimeters
Leak Detection: None

Tank Num: 002
Container Num: 503
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: 002
Container Num: 85
Year Installed: Not reported
Tank Capacity: 00913000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 003
Container Num: 504
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS GENERATING STATION (Continued)

U001566347

Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 86
Year Installed: Not reported
Tank Capacity: 00935000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 004
Container Num: 87
Year Installed: 1978
Tank Capacity: 00225500
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 004
Container Num: 505
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: 005
Container Num: 88
Year Installed: 1978
Tank Capacity: 00323950
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 006
Container Num: 94
Year Installed: Not reported
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 007
Container Num: 90
Year Installed: 1982
Tank Capacity: 00003600
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS GENERATING STATION (Continued)

U001566347

Tank Num: 008
Container Num: 91
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: Not reported
Leak Detection: Visual, Stock Inventor

Tank Num: 009
Container Num: 92
Year Installed: 1979
Tank Capacity: 00001728
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 010
Container Num: 93
Year Installed: 1956
Tank Capacity: 00001075
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 011
Container Num: 94
Year Installed: Not reported
Tank Capacity: 00003000
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 012
Container Num: 95
Year Installed: 1956
Tank Capacity: 00001700
Tank Used for: WASTE
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 013
Container Num: 96
Year Installed: 1956
Tank Capacity: 00001600
Tank Used for: WASTE
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 014
Container Num: 97
Year Installed: 1961

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS GENERATING STATION (Continued)

U001566347

Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 015
Container Num: 98
Year Installed: 1961
Tank Capacity: 00000915
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 016
Container Num: 99
Year Installed: 1966
Tank Capacity: 00003400
Tank Used for: WASTE
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 017
Container Num: 100
Year Installed: Not reported
Tank Capacity: 00004350
Tank Used for: WASTE
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 018
Container Num: 101
Year Installed: 1961
Tank Capacity: 00003350
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 019
Container Num: 102
Year Installed: 1961
Tank Capacity: 00001600
Tank Used for: WASTE
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 020
Container Num: 103
Year Installed: Not reported
Tank Capacity: 00003650
Tank Used for: PRODUCT
Type of Fuel: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS GENERATING STATION (Continued)

U001566347

Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 021
Container Num: 104
Year Installed: 1966
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 022
Container Num: 105
Year Installed: 1966
Tank Capacity: 00003660
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 023
Container Num: 106
Year Installed: 1966
Tank Capacity: 00004900
Tank Used for: WASTE
Type of Fuel: 06
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 024
Container Num: 369
Year Installed: 1961
Tank Capacity: 00003350
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Tank Num: 025
Container Num: 370
Year Installed: Not reported
Tank Capacity: 00003650
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: Visual

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

A34 **ALAMITOS GENERATING STATION**
Target **690 NORTH STUDEBAKER ROAD**
Property **LONG BEACH, CA 90803**

NPDES **S109040391**
CHMIRS **N/A**

Site 34 of 34 in cluster A

Actual:
12 ft.

NPDES:
Npdes Number: CA0001139
Facility Status: Active
Agency Id: 864
Region: 4
Regulatory Measure Id: 148236
Order No: 00-082
Regulatory Measure Type: NPDES Permits
Place Id: 207266
WDID: 4B192111006
Program Type: NPDES
Adoption Date Of Regulatory Measure: 06/29/2000
Effective Date Of Regulatory Measure: 06/29/2000
Expiration Date Of Regulatory Measure: 01/01/2010
Termination Date Of Regulatory Measure: Not reported
Discharge Name: AES Alamitos LLC
Discharge Address: 690 North Studebaker Road
Discharge City: Long Beach
Discharge State: CA
Discharge Zip: 90803

CHMIRS:
OES Incident Number: 07-2375
OES notification: 4/17/2007 04:06:35 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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS GENERATING STATION (Continued)

S109040391

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: Cerritos Channel, tributary to San Gabriel River
Spill Site: Not reported
Cleanup By: Unknown
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 2007
Agency: NRC
Incident Date: 4/17/2007 12:00:00 AM
Admin Agency: Long Beach Fire Department
Amount: Not reported
Contained: Yes
Site Type: Utilities/Substation
E Date: Not reported
Substance: Cooling Water containing NALCO
Quantity Released: Not reported
BBLS: 0
Cups: 0
CUFT: 0
Gallons: 100
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: Per the NRC report, "THE CALLER IS REPORTING THAT DURING FILLING OPERATIONS, AN UNKNOWN AMOUNT OF COOLING WATER OVERFLOWED FROM A STORAGE TANK. APPROXIMATELY 100 GALLONS OF THE PRODUCT ENTERED THE FACILITY'S INTAKE AND THEN DISCHARGED INTO THE CERRITOS CHANNEL. IN THAT 100 GALLONS THERE WAS .0001 OF A GALLON OF A PRODUCT CALLED NALCO 7330 (CAS 26172-55-4)." Per the NRC report, "REMEDIATION ACTIONS" indicate "VAC TRUCK WAS USED TO CLEAN UP THE PRODUCT."

OES Incident Number: '10-7700
OES notification: 12/21/2010 10:37:00 AM
OES Date: Not reported
OES Time: Not reported
Incident Date: Not reported
Date Completed: Not reported
Property Use: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS GENERATING STATION (Continued)

S109040391

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: Yes
Waterway: Los Ceritos Channel
Spill Site: Utilities/Substation
Cleanup By: Contractor
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Unknown
Other: Not reported
Date/Time: 1010
Year: 2010
Agency: AES Alamitos
Incident Date: 12/21/2010
Admin Agency: Long Beach Fire Department
Amount: Not reported
Contained: Yes
Site Type: Los Ceritos Channel
E Date: Not reported
Substance: Unknown Oil
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

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ALAMITOS GENERATING STATION (Continued)

S109040391

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:	Caller states a sheen has developed in his intake channel number 5. Caller states he believes this is oil residue from the roadway caused by a high rain volume. Caller states booms have been applied.

B35
WSW
1/8-1/4
0.171 mi.
903 ft.

STUDEBAKER-CERRITOS CHANNEL
SW OF STUDEBAKER & LOYNES
LONG BEACH, CA

WMUDS/SWAT

S103441602
N/A

Site 1 of 5 in cluster B

Relative:
Lower

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False

Actual:
7 ft.

Agency Type:	Not reported
Agency Name:	Not reported
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

STUDEBAKER-CERRITOS CHANNEL (Continued)

S103441602

Resource Conservation Recovery Act: False
 Department of Defence: False
 Solid Waste Assessment Test Program: Not reported
 Threat to Water Quality: Not reported
 Sub Chapter 15: False
 Regional Board Project Officer: LT
 Number of WMUDS at Facility: 1
 Section Range: Not reported
 RCRA Facility: Not reported
 Waste Discharge Requirements: Not reported
 Self-Monitoring Rept. Frequency: Not reported
 Waste Discharge System ID: 4 190393NUR
 Solid Waste Information ID: Not reported

B36
WSW
1/8-1/4
0.171 mi.
903 ft.

STUDEBAKER - LOYNES DISPOSAL S
LOYNES DR. & STUDEBAKER RD
LONG BEACH, CA 90806

WMUDS/SWAT S103441607
N/A

Site 2 of 5 in cluster B

Relative:
Lower

WMUDS/SWAT:
 Edit Date: Not reported
 Complexity: Not reported

Actual:
7 ft.

Primary Waste: Not reported
 Primary Waste Type: Not reported
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Base Meridian: Not reported
 NPID: Not reported
 Tonnage: 0
 Regional Board ID: Not reported
 Municipal Solid Waste: False
 Superorder: False
 Open To Public: False
 Waste List: False
 Agency Type: Not reported
 Agency Name: BIXBY RANCH COMPANY
 Agency Department: Not reported
 Agency Address: 911 STUDEBAKER RD.
 Agency City,St,Zip: LONG BEACH 90806
 Agency Contact: Not reported
 Agency Telephone: 2134931475
 Land Owner Name: BIXBY RANCH COMPANY
 Land Owner Address: 911 STUDEBAKER RD.
 Land Owner City,St,Zip: LONG BEACH, CA 90806
 Land Owner Contact: Not reported
 Land Owner Phone: 2134931475
 Region: 4
 Facility Type: Not reported
 Facility Description: Not reported
 Facility Telephone: Not reported
 SWAT Facility Name: STUDEBAKER - LOYNES DISPOSAL SITE
 Primary SIC: Not reported
 Secondary SIC: Not reported
 Comments: Not reported
 Last Facility Editors: Not reported
 Waste Discharge System: False
 Solid Waste Assessment Test Program: True

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STUDEBAKER - LOYNES DISPOSAL S (Continued)

S103441607

Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False
Solid Waste Assessment Test Program: BIXBY RANCH COMPANY
Threat to Water Quality: Not reported
Sub Chapter 15: False
Regional Board Project Officer: LT
Number of WMUDS at Facility: 1
Section Range: Not reported
RCRA Facility: Not reported
Waste Discharge Requirements: Not reported
Self-Monitoring Rept. Frequency: Not reported
Waste Discharge System ID: 4 190398NUR
Solid Waste Information ID: 19-AK-0002

B37
WSW
1/8-1/4
0.173 mi.
913 ft.

ALAMITOS TANK FARM, PUMPING & HEATING STATION
692 N STUDEBAKER RD
LONG BEACH, CA 90803

HAZNET **S108197049**
ENVIROSTOR **N/A**

Site 3 of 5 in cluster B

Relative:
Lower

HAZNET:

Year: 2011
Gepaid: CAL000274189
Contact: NGIABI GICUHI, ENVT'L ENGINEER
Telephone: 5627282024
Mailing Name: Not reported
Mailing Address: 5900 CHERRY AVE
Mailing City,St,Zip: LONG BEACH, CA 908054408
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration,
Organics Recovery Ect
Tons: 0.76
Facility County: Los Angeles

Actual:
7 ft.

Year: 2011
Gepaid: CAL000274189
Contact: NGIABI GICUHI, ENVT'L ENGINEER
Telephone: 5627282024
Mailing Name: Not reported
Mailing Address: 5900 CHERRY AVE
Mailing City,St,Zip: LONG BEACH, CA 908054408
Gen County: Not reported
TSD EPA ID: CAD980675276
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: 0.6
Facility County: Los Angeles

Year: 2011
Gepaid: CAL000274189
Contact: NGIABI GICUHI, ENVT'L ENGINEER
Telephone: 5627282024

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS TANK FARM, PUMPING & HEATING STATION (Continued)

S108197049

Mailing Name: Not reported
Mailing Address: 5900 CHERRY AVE
Mailing City,St,Zip: LONG BEACH, CA 908054408
Gen County: Not reported
TSD EPA ID: CAD980675276
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.235
Facility County: Los Angeles

Year: 2010
Gepaid: CAL000274189
Contact: NGIABI GICUHI, ENVT'L ENGINEER
Telephone: 5627282024
Mailing Name: Not reported
Mailing Address: 5900 CHERRY AVE
Mailing City,St,Zip: LONG BEACH, CA 908054408
Gen County: Not reported
TSD EPA ID: CAD980675276
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: 0.0175
Facility County: Los Angeles

Year: 2010
Gepaid: CAL000274189
Contact: NGIABI GICUHI, ENVT'L ENGINEER
Telephone: 5627282024
Mailing Name: Not reported
Mailing Address: 5900 CHERRY AVE
Mailing City,St,Zip: LONG BEACH, CA 908054408
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 5.7
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.

ENVIROSTOR:

Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 234
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Steven Rounds
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS TANK FARM, PUMPING & HEATING STATION (Continued)

S108197049

Facility ID: 80001647
Site Code: 530040
Assembly: 70
Senate: 34
Special Program: Not reported
Status: Active
Status Date: 02/01/1995
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 33.77373
Longitude: -118.1032
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: SCE Alamitos
Alias Type: Alternate Name
Alias Name: Studebaker LLC
Alias Type: Alternate Name
Alias Name: CAD009694795
Alias Type: EPA Identification Number
Alias Name: 400446
Alias Type: Project Code (Site Code)
Alias Name: 530040
Alias Type: Project Code (Site Code)
Alias Name: 80001647
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: AES Generating Station (former SCE)
Completed Sub Area Name: Surface Impoundments
Completed Document Type: Monitoring Report
Completed Date: 03/29/2010
Comments: Document received, no comments

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: Studebaker Property - former aboveground storage tank area
Completed Document Type: RFI Workplan
Completed Date: 08/28/2007
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/15/2011
Comments: DTSC internal review, no letter issued

Completed Area Name: AES Generating Station (former SCE)
Completed Sub Area Name: Surface Impoundments
Completed Document Type: RFI Workplan
Completed Date: 01/31/2012
Comments: Approved by DTSC

Completed Area Name: AES Generating Station (former SCE)
Completed Sub Area Name: Surface Impoundments
Completed Document Type: Consent Decree

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALAMITOS TANK FARM, PUMPING & HEATING STATION (Continued)

S108197049

Completed Date: 02/01/1995
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: Studebaker Property - former aboveground storage tank area
Completed Document Type: Consent Agreement
Completed Date: 06/30/2006
Comments: signed

Future Area Name: Sites With No Operable Unit
Future Sub Area Name: Studebaker Property - former aboveground storage tank area
Future Document Type: RFI Report
Future Due Date: 2014
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Interim Measures Implementation Report
Schedule Due Date: 11/29/2012
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: CEQA - Notice of Exemption
Schedule Due Date: 02/02/2013
Schedule Revised Date: Not reported

B38
WSW
1/8-1/4
0.173 mi.
913 ft.

EPTC - ALAMITOS
692 N STUDEBAKER ROAD
LONG BEACH, CA

AST **A100323697**
N/A

Site 4 of 5 in cluster B

Relative:
Lower

AST:
Owner: PACIFIC TERMINALS LLC
Total Gallons: 133,105,360
Certified Unified Program Agencies: Long Beach

Actual:
7 ft.

B39
WSW
1/8-1/4
0.173 mi.
913 ft.

EPTC ALAMITOS PARCEL 3-4
692 NORTH STUDEBAKER ROAD
LONG BEACH, CA 90803

NPDES **S105557569**
DEED **N/A**
VCP
ENVIROSTOR

Site 5 of 5 in cluster B

Relative:
Lower

NPDES:
Npdes Number: CAG674001
Facility Status: Active
Agency Id: 483625
Region: 4
Regulatory Measure Id: 193820
Order No: R4-2009-0068
Regulatory Measure Type: Enrollee
Place Id: 207270
WDID: 4B196300100
Program Type: NPDES
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 03/26/1999
Expiration Date Of Regulatory Measure: 06/04/2014
Termination Date Of Regulatory Measure: Not reported

Actual:
7 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPTC ALAMITOS PARCEL 3-4 (Continued)

S105557569

Discharge Name: Plains West Coast Terminals, LLC
Discharge Address: 5900 Cherry Avenue
Discharge City: Long Beach
Discharge State: CA
Discharge Zip: 90805

DEED:

Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Deed Date(s): 07/20/2006

VCP:

Facility ID: 19130113
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.75
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Mitigation And Brownfield Reuse Program
Project Manager: Tedd Yargeau
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Site Code: 401020
Assembly: 70
Senate: 34
Special Programs Code: Voluntary Cleanup Program
Status: Certified O&M - Land Use Restrictions Only
Status Date: 05/05/2005
Restricted Use: YES
Funding: Responsible Party
Lat/Long: 33.77403 / -118.1030
APN: NONE SPECIFIED
Past Use: MANUFACTURING - PETROLEUM
Potential COC: 3002502
Confirmed COC: 3002502
Potential Description: OTH, SOIL
Alias Name: 110033616317
Alias Type: EPA (FRS #)
Alias Name: 401020
Alias Type: Project Code (Site Code)
Alias Name: 19130113
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/05/2005
Comments: After several conference calls with the site proponent, DTSC approves the Phase II report. The report indicated that the site had been impacted from previous operations at the site however that those levels were compatible with the current industrial land-use.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPTC ALAMITOS PARCEL 3-4 (Continued)

S105557569

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/23/2002
Comments: DTSC completed document review and submitted comments to Coastal Conservancy

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 06/28/2002
Comments: VCA

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 07/20/2006
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: 0.75
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Tedd Yargeau
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Facility ID: 19130113
Site Code: 401020
Assembly: 70
Senate: 34
Special Program: Voluntary Cleanup Program
Status: Certified O&M - Land Use Restrictions Only
Status Date: 05/05/2005
Restricted Use: YES
Site Mgmt. Req.: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.77403
Longitude: -118.1030
APN: NONE SPECIFIED
Past Use: MANUFACTURING - PETROLEUM
Potential COC: 3002502
Confirmed COC: 3002502
Potential Description: OTH, SOIL
Alias Name: 110033616317

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EPTC ALAMITOS PARCEL 3-4 (Continued)

S105557569

Alias Type: EPA (FRS #)
 Alias Name: 401020
 Alias Type: Project Code (Site Code)
 Alias Name: 19130113
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Report
 Completed Date: 05/05/2005
 Comments: After several conference calls with the site proponent, DTSC approves the Phase II report. The report indicated that the site had been impacted from previous operations at the site however that those levels were compatible with the current industrial land-use.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Report
 Completed Date: 09/23/2002
 Comments: DTSC completed document review and submitted comments to Coastal Conservancy

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Cleanup Agreement
 Completed Date: 06/28/2002
 Comments: VCA

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Land Use Restriction
 Completed Date: 07/20/2006
 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

40
WSW
1/8-1/4
0.233 mi.
1230 ft.

CITY DUMP & SALVAGE #4
STUDEBAKER RD. S OF LOS CERRITOS CHANNEL
LONG BEACH, CA

SWF/LF S102360867
WMUDS/SWAT N/A

Relative:
Lower

SWF/LF (SWIS):
 Region: STATE
 Facility ID: 19-AK-5004
 Lat/Long: 33.7650000 / -118.10359
 Owner Name: Bixby Ranch Co
 Owner Telephone: 3104931475
 Owner Address: Not reported

Actual:
0 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY DUMP & SALVAGE #4 (Continued)

S102360867

Owner Address2: 3010 Old Ranch Parkway #100
Owner City,St,Zip: Seal Beach, CA 90740
Operator: Not reported
Operator Phone: Not reported
Operator Address: Not reported
Operator Address2: Not reported
Operator City,St,Zip: Not reported
Operator's Status: Closed
Permit Date: Not reported
Permit Status: Not reported
Permitted Acreage: 0
Activity: Solid Waste Disposal Site
Regulation Status: Unpermitted
Landuse Name: Not reported
GIS Source: Map
Category: Disposal
Unit Number: 01
Inspection Frequency: Quarterly
Accepted Waste: Not reported
Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: 0
SWIS Num: 19-AK-5004
Waste Discharge Requirement Num: Not reported
Program Type: Not reported
Permitted Throughput with Units: Not reported
Actual Throughput with Units: Not reported
Permitted Capacity with Units: Not reported
Remaining Capacity: Not reported
Remaining Capacity with Units: Not reported

WMUDS/SWAT:

Edit Date: Not reported
Complexity: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported
NPID: Not reported
Tonnage: 0
Regional Board ID: Not reported
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Not reported
Agency Name: CITY DUMP AND SALVAGE
Agency Department: Not reported
Agency Address: Not reported
Agency City,St,Zip: Not reported
Agency Contact: Not reported
Agency Telephone: Not reported
Land Owner Name: BIXBY RANCH COMPANY
Land Owner Address: 523 WEST 6TH STREET
Land Owner City,St,Zip: LOS ANGELES, CA 90014
Land Owner Contact: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CITY DUMP & SALVAGE #4 (Continued)

S102360867

Land Owner Phone: Not reported
 Region: 4
 Facility Type: Not reported
 Facility Description: Not reported
 Facility Telephone: Not reported
 SWAT Facility Name: Not reported
 Primary SIC: Not reported
 Secondary SIC: Not reported
 Comments: Not reported
 Last Facility Editors: Not reported
 Waste Discharge System: False
 Solid Waste Assessment Test Program: True
 Toxic Pits Cleanup Act Program: False
 Resource Conservation Recovery Act: False
 Department of Defence: False
 Solid Waste Assessment Test Program: CITY DUMP AND SALVAGE
 Threat to Water Quality: Not reported
 Sub Chapter 15: False
 Regional Board Project Officer: LT
 Number of WMUDS at Facility: 1
 Section Range: Not reported
 RCRA Facility: Not reported
 Waste Discharge Requirements: Not reported
 Self-Monitoring Rept. Frequency: Not reported
 Waste Discharge System ID: 4 190052NUR
 Solid Waste Information ID: Not reported

41
 South
 1/2-1
 0.588 mi.
 3105 ft.

**LAWP,HAYNES GENERATING STATION
 6801 WESTMINSTER AVENUE
 LONG BEACH, CA 90803**

**Toxic Pits S100925090
 N/A**

**Relative:
 Higher**

Toxic Pits:
 Region: 04
 Task #: 84006
 Owner: L.A. DEPT. OF WATER AND POWER
 1/2 Mi Limit: Y
 Num. of Pits: 1
 Cease Discharge Due: / /
 Cease Discharge Complete: 05/01/85
 Closure Due: / /
Closure Completed: 10/18/90
 Status: CLOSED
 Hydro Geological Assessment Report Due: / /
 Final Hydro Geological Assessment Review Completed: 06/15/89

**Actual:
 13 ft.**

Count: 20 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WEST PALM BEACH	1000906314	ROCKWELL INTERNATIONAL CORP	SR 710 BEELINE HWY	90740	RCRA-SQG,FINDS
SEAL BEACH	1003878683	DOW CHEMICAL CO SEAL BEACH PLT	PACIFIC COAST HWY	90740	CERCLIS-NFRAP
LONG BEACH SIGNAL	1004676598	CALTRANS	PACIFIC COAST HWY	90815	RCRA-SQG,FINDS
LOS ALAMITOS	1010006407	LOS ALAMITOS ARMED FORCES RESERVE	LEXINGTON DRIVE AT FARQUHAR	90720	FTTS
LOS ALAMITOS	1010006408	LOS ALAMITOS ARMED FORCES RESERVE	LOS ALAMITOS AFDC, BLDG 57	90720	FTTS
LONG BEACH	1010562150	L 1019 LAWP HAYNES FACILITY	INTERSECTION OF HWY 22 AND	90803	RCRA-LQG
LONG BEACH	1011908286	ALAMITOS BARRIER PROJECT 1,2&3	ALONG SAN GAB R & LOS ALAMI	90815	FINDS
SANTA ANA	1014679738	LOS ALAMITOS	UNKNOWN	90720	FINDS
LONG BEACH	2000539581		ALAMITOS BAY SHIPYARD	0	ERNS
LONG BEACH	2002610126		ALAMITOS BAY MARINA	0	ERNS
LONG BEACH	2002612207		ALAMITOS BAY MARINA	0	ERNS
LONG BEACH	2004730848		ALAMITOS BAY MARINA		ERNS
LONG BEACH	2008901943		ALAMITOS BAY		ERNS
LONG BEACH	2009901943		ALAMITOS BAY		ERNS
	2011972707		205 MARINA DR.		ERNS
LONG BEACH, SIGNAL	S103437887	CALTRANS	PACIFIC COAST HWY	90815	SLIC,HAZNET,LUST
SEAL BEACH	S104404908	TEXACO USA-BRYANT LEASE	7000 PACIFIC COAST HWY	90740	SLIC
SEAL BEACH	S106928943	M&N TRUST	39271 HIGHWAY 198	90740	SWEEPS UST
LONG BEACH	S111075832	CITY DUMP AND SALVAGE	LOYNES DRIVE AND NORTH STUDEBA		LF
BAKER	U001565432	BONANZA	BEACH & HWY 157	90720	HIST UST

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: 10/01/2012	Source: EPA
Date Data Arrived at EDR: 10/11/2012	Telephone: N/A
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 10/11/2012
Number of Days to Update: 70	Next Scheduled EDR Contact: 01/21/2013
	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: 10/01/2012	Source: EPA
Date Data Arrived at EDR: 10/11/2012	Telephone: N/A
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 10/11/2012
Number of Days to Update: 70	Next Scheduled EDR Contact: 01/21/2013
	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: 10/01/2012	Source: EPA
Date Data Arrived at EDR: 10/11/2012	Telephone: N/A
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 10/11/2012
Number of Days to Update: 70	Next Scheduled EDR Contact: 01/21/2013
	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: 12/27/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 11/28/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 10/09/2012
Number of Days to Update: 72	Next Scheduled EDR Contact: 01/21/2013
	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: 12/28/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 11/28/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 03/11/2013
	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: 08/19/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 132

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
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: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 01/14/2013
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: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 01/14/2013
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: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 01/14/2013
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: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 01/14/2013
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: 07/18/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/24/2012	Telephone: 703-603-0695
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 12/10/2012
Number of Days to Update: 104	Next Scheduled EDR Contact: 03/25/2013
	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: 07/18/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/24/2012	Telephone: 703-603-0695
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 12/10/2012
Number of Days to Update: 104	Next Scheduled EDR Contact: 03/25/2013
	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: 11/15/2012
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/04/2013
	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: 04/02/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 04/03/2012	Telephone: 202-267-2180
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 10/02/2012
Number of Days to Update: 72	Next Scheduled EDR Contact: 01/14/2013
	Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

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

Date of Government Version: 11/05/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/06/2012	Telephone: 916-323-3400
Date Made Active in Reports: 11/30/2012	Last EDR Contact: 12/06/2012
Number of Days to Update: 24	Next Scheduled EDR Contact: 02/18/2013
	Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 11/05/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/06/2012	Telephone: 916-323-3400
Date Made Active in Reports: 11/30/2012	Last EDR Contact: 12/06/2012
Number of Days to Update: 24	Next Scheduled EDR Contact: 02/18/2013
	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: 08/20/2012	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 08/20/2012	Telephone: 916-341-6320
Date Made Active in Reports: 10/03/2012	Last EDR Contact: 11/19/2012
Number of Days to Update: 44	Next Scheduled EDR Contact: 03/04/2013
	Data Release Frequency: Quarterly

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 11/26/2012
Number of Days to Update: 9	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	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: 10/17/2012	Source: State Water Resources Control Board
Date Data Arrived at EDR: 10/18/2012	Telephone: see region list
Date Made Active in Reports: 11/07/2012	Last EDR Contact: 12/17/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 04/01/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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 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 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 6L: Leaking Underground Storage Tank Case Listing

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

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

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

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 6V: Leaking Underground Storage Tank Case Listing

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

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

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

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/17/2012
Next Scheduled EDR Contact: 04/01/2013
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
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: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/12/2012
Date Data Arrived at EDR: 05/09/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 62

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/01/2012	Source: EPA Region 10
Date Data Arrived at EDR: 08/02/2012	Telephone: 206-553-2857
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 10/30/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Quarterly

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: 09/06/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/07/2012	Telephone: 415-972-3372
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 39	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 10/17/2012	Source: SWRCB
Date Data Arrived at EDR: 10/18/2012	Telephone: 916-341-5851
Date Made Active in Reports: 11/07/2012	Last EDR Contact: 12/18/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 04/01/2013
	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: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 10/22/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/21/2013
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/12/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 05/02/2012	Telephone: 617-918-1313
Date Made Active in Reports: 07/16/2012	Last EDR Contact: 11/01/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 02/11/2013
	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: 12/14/2011	Source: EPA Region 4
Date Data Arrived at EDR: 12/15/2011	Telephone: 404-562-9424
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/02/2012	Source: EPA Region 5
Date Data Arrived at EDR: 08/03/2012	Telephone: 312-886-6136
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 94	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 07/26/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/17/2012	Source: EPA Region 7
Date Data Arrived at EDR: 08/28/2012	Telephone: 913-551-7003
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6137
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/11/2013
	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: 08/01/2012	Source: EPA Region 10
Date Data Arrived at EDR: 08/02/2012	Telephone: 206-553-2857
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 02/11/2013
	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: 09/06/2012	Source: EPA Region 9
Date Data Arrived at EDR: 09/07/2012	Telephone: 415-972-3368
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/26/2012
Number of Days to Update: 39	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 10/15/2012
Number of Days to Update: 55	Next Scheduled EDR Contact: 01/28/2013
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 10/02/2012	Telephone: 617-918-1102
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 10/02/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/14/2013
	Data Release Frequency: Varies

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	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 11/05/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/06/2012	Telephone: 916-323-3400
Date Made Active in Reports: 11/30/2012	Last EDR Contact: 12/06/2012
Number of Days to Update: 24	Next Scheduled EDR Contact: 02/18/2013
	Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/10/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/11/2012	Telephone: 202-566-2777
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 12/11/2012
Number of Days to Update: 9	Next Scheduled EDR Contact: 04/08/2013
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	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	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 07/03/2012
Number of Days to Update: 137	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: No Update Planned

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: 11/12/2012
Number of Days to Update: 30	Next Scheduled EDR Contact: 02/25/2013
	Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/17/2012	Source: Department of Conservation
Date Data Arrived at EDR: 09/19/2012	Telephone: 916-323-3836
Date Made Active in Reports: 10/12/2012	Last EDR Contact: 12/20/2012
Number of Days to Update: 23	Next Scheduled EDR Contact: 04/01/2013
	Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 07/09/2012	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 07/12/2012	Telephone: 916-341-6422
Date Made Active in Reports: 09/06/2012	Last EDR Contact: 12/14/2012
Number of Days to Update: 56	Next Scheduled EDR Contact: 03/04/2013
	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: 11/05/2012
Number of Days to Update: 52	Next Scheduled EDR Contact: 02/18/2013
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/11/2012	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/12/2012	Telephone: 202-307-1000
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 12/03/2012
Number of Days to Update: 54	Next Scheduled EDR Contact: 03/18/2013
	Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 11/05/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/06/2012	Telephone: 916-323-3400
Date Made Active in Reports: 11/30/2012	Last EDR Contact: 12/06/2012
Number of Days to Update: 24	Next Scheduled EDR Contact: 02/18/2013
	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	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: 06/30/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 09/12/2012	Telephone: 916-255-6504
Date Made Active in Reports: 10/03/2012	Last EDR Contact: 10/01/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/14/2013
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/23/2009
Number of Days to Update: 131	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	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009	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: 12/03/2012
Number of Days to Update: 8	Next Scheduled EDR Contact: 03/18/2013
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/16/2012
Date Data Arrived at EDR: 03/26/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
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: 09/18/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 14

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 09/10/2012
Date Data Arrived at EDR: 09/11/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
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: 04/01/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/02/2012
Next Scheduled EDR Contact: 01/14/2013
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: 03/28/2012
Date Data Arrived at EDR: 05/01/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 24

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 11/02/2012
Next Scheduled EDR Contact: 02/11/2013
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: 10/17/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/17/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/17/2012	Source: State Water Resources Control Board
Date Data Arrived at EDR: 10/18/2012	Telephone: 866-480-1028
Date Made Active in Reports: 11/07/2012	Last EDR Contact: 12/17/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 04/01/2013
	Data Release Frequency: Quarterly

Other Ascertainable Records

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: 09/11/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/04/2012	Telephone: (415) 495-8895
Date Made Active in Reports: 12/04/2012	Last EDR Contact: 11/29/2012
Number of Days to Update: 61	Next Scheduled EDR Contact: 01/14/2013
	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: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 11/06/2012
Number of Days to Update: 42	Next Scheduled EDR Contact: 02/18/2013
	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: 10/18/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/28/2013
	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: 12/10/2012
Number of Days to Update: 112	Next Scheduled EDR Contact: 03/25/2013
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/19/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 62

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/01/2012
Next Scheduled EDR Contact: 01/14/2013
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: 02/27/2012
Date Data Arrived at EDR: 03/14/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 92

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
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
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/05/2012
Next Scheduled EDR Contact: 03/18/2013
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
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/29/2012
Next Scheduled EDR Contact: 01/07/2013
Data Release Frequency: Every 4 Years

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/26/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/11/2013
	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: 11/26/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	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: 11/01/2012
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 10/19/2012
Number of Days to Update: 61	Next Scheduled EDR Contact: 01/28/2013
	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: 10/19/2012
Number of Days to Update: 98	Next Scheduled EDR Contact: 01/28/2013
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 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: 12/10/2012
Number of Days to Update: 60	Next Scheduled EDR Contact: 03/25/2013
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/02/2012	Telephone: 202-343-9775
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 10/02/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/21/2013
	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: 10/23/2011	Source: EPA
Date Data Arrived at EDR: 12/13/2011	Telephone: (415) 947-8000
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 12/11/2012
Number of Days to Update: 79	Next Scheduled EDR Contact: 03/25/2013
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/30/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of underground control injection wells.

Date of Government Version: 08/14/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 14

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/19/2012
Next Scheduled EDR Contact: 12/31/2012
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/20/2012
Date Data Arrived at EDR: 08/20/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 44

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/19/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 21

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 10/02/2012
Next Scheduled EDR Contact: 01/14/2013
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]. This listing is no longer updated by the state agency.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NOTIFY 65: Proposition 65 Records

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

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: No Update Planned

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 01/19/2012
Date Data Arrived at EDR: 01/19/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 33

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 12/24/2012
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 10/01/2012
Next Scheduled EDR Contact: 01/14/2013
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
Date Data Arrived at EDR: 08/23/2011
Date Made Active in Reports: 10/03/2011
Number of Days to Update: 41

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/15/2012
Next Scheduled EDR Contact: 02/11/2013
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: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/06/2012
Number of Days to Update: 14

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/15/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/28/2012
Number of Days to Update: 19	Next Scheduled EDR Contact: 01/07/2013
	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: 10/18/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/28/2013
	Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011	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: 10/22/2012
Number of Days to Update: 54	Next Scheduled EDR Contact: 02/04/2013
	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: 12/11/2012
Number of Days to Update: 77	Next Scheduled EDR Contact: 03/25/2013
	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: 10/15/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/16/2012	Telephone: 916-440-7145
Date Made Active in Reports: 11/07/2012	Last EDR Contact: 10/16/2012
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/28/2013
	Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 08/28/2012	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/28/2012	Telephone: 916-323-3400
Date Made Active in Reports: 10/03/2012	Last EDR Contact: 11/28/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/14/2012	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 08/20/2012	Telephone: 916-341-6066
Date Made Active in Reports: 10/03/2012	Last EDR Contact: 11/16/2012
Number of Days to Update: 44	Next Scheduled EDR Contact: 03/04/2013
	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: 11/02/2012
Number of Days to Update: 28	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Varies

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2012	Telephone: 703-308-4044
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 08/16/2012
Number of Days to Update: 7	Next Scheduled EDR Contact: 11/26/2012
	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: 10/18/2012
Number of Days to Update: 339	Next Scheduled EDR Contact: 01/28/2013
	Data Release Frequency: N/A

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/01/2012	Source: EPA
Date Data Arrived at EDR: 10/04/2012	Telephone: 202-564-6023
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 10/04/2012
Number of Days to Update: 32	Next Scheduled EDR Contact: 01/14/2013
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/13/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 08/20/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/16/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/02/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/17/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 14

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/20/2012
Next Scheduled EDR Contact: 04/01/2013
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: 09/06/2012
Date Data Arrived at EDR: 09/12/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 21

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
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
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/16/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

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 US Hist Auto Stat: 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 US Hist 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: 10/09/2012
Date Data Arrived at EDR: 10/12/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 26

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/27/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/09/2012
Date Data Arrived at EDR: 10/12/2012
Date Made Active in Reports: 10/24/2012
Number of Days to Update: 12

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/27/2012
Next Scheduled EDR Contact: 10/15/2012
Data Release Frequency: Semi-Annually

BUTTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 10/16/2012
Date Data Arrived at EDR: 10/17/2012
Date Made Active in Reports: 11/13/2012
Number of Days to Update: 27

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 10/15/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Varies

COLUSA COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 08/16/2012
Date Data Arrived at EDR: 08/22/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 27

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 12/14/2012
Next Scheduled EDR Contact: 02/25/2013
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: 10/10/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 27

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Semi-Annually

EL DORADO COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 08/20/2012
Date Data Arrived at EDR: 08/22/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 42

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 09/30/2012
Date Data Arrived at EDR: 10/05/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 18

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/28/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA facility list.

Date of Government Version: 09/10/2012
Date Data Arrived at EDR: 09/11/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 22

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 05/01/2012
Date Data Arrived at EDR: 05/02/2012
Date Made Active in Reports: 06/11/2012
Number of Days to Update: 40

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/04/2012
Next Scheduled EDR Contact: 11/12/2012
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/26/2012
Date Data Arrived at EDR: 06/27/2012
Date Made Active in Reports: 08/17/2012
Number of Days to Update: 51

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
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: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
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: 07/10/2012
Date Data Arrived at EDR: 07/12/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 56

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

LOS ANGELES COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 06/28/2012
Date Data Arrived at EDR: 09/25/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 28

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/16/2012
Next Scheduled EDR Contact: 10/26/2012
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/22/2012
Date Data Arrived at EDR: 10/23/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 38

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/23/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 11/16/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 12/29/2011
Date Data Arrived at EDR: 02/02/2012
Date Made Active in Reports: 02/21/2012
Number of Days to Update: 19

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/22/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 10/23/2012
Date Data Arrived at EDR: 10/25/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 36

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/22/2012
Next Scheduled EDR Contact: 02/04/2013
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
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/15/2012
Date Data Arrived at EDR: 10/19/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 19

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/15/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 09/17/2012
Date Data Arrived at EDR: 09/18/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 15

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 07/24/2012
Date Data Arrived at EDR: 07/31/2012
Date Made Active in Reports: 09/14/2012
Number of Days to Update: 15

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 11/09/2012
Next Scheduled EDR Contact: 01/21/2013
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 09/18/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 14

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 09/18/2012
Date Data Arrived at EDR: 09/18/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 15

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

NAPA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011
Date Data Arrived at EDR: 12/06/2011
Date Made Active in Reports: 02/07/2012
Number of Days to Update: 63

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 01/16/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 23

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 12/05/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 17

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 17

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/05/2012
Date Data Arrived at EDR: 11/15/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 18

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

PLACER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/05/2012
Date Data Arrived at EDR: 09/11/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 22

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/16/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/24/2012
Next Scheduled EDR Contact: 01/07/2013
Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/16/2012
Date Data Arrived at EDR: 10/18/2012
Date Made Active in Reports: 11/07/2012
Number of Days to Update: 20

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/24/2012
Next Scheduled EDR Contact: 01/07/2013
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: 08/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 11/02/2012
Number of Days to Update: 22

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/09/2012
Next Scheduled EDR Contact: 01/21/2013
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: 08/08/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 11/13/2012
Number of Days to Update: 33

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/09/2012
Next Scheduled EDR Contact: 01/21/2013
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/29/2012
Date Data Arrived at EDR: 08/30/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 34

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/20/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 44

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
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: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 09/24/2012
Date Data Arrived at EDR: 09/25/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 28

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 09/24/2012
Date Data Arrived at EDR: 09/25/2012
Date Made Active in Reports: 11/02/2012
Number of Days to Update: 38

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 10/19/2012
Date Made Active in Reports: 11/13/2012
Number of Days to Update: 25

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/12/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 09/13/2012
Date Data Arrived at EDR: 09/18/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 15

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/12/2012
Next Scheduled EDR Contact: 04/01/2013
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: 12/10/2012
Next Scheduled EDR Contact: 03/11/2013
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/04/2012
Date Data Arrived at EDR: 09/06/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/13/2012
Date Data Arrived at EDR: 11/14/2012
Date Made Active in Reports: 12/03/2012
Number of Days to Update: 19

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 08/23/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 36

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 08/22/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 36

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
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: 09/14/2012
Date Data Arrived at EDR: 10/05/2012
Date Made Active in Reports: 10/23/2012
Number of Days to Update: 18

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/12/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/14/2012	Source: Solano County Department of Environmental Management
Date Data Arrived at EDR: 10/09/2012	Telephone: 707-784-6770
Date Made Active in Reports: 10/23/2012	Last EDR Contact: 12/12/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/01/2013
	Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 10/02/2012	Source: Department of Health Services
Date Data Arrived at EDR: 10/03/2012	Telephone: 707-565-6565
Date Made Active in Reports: 10/23/2012	Last EDR Contact: 10/01/2012
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/14/2013
	Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 09/06/2012	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 09/11/2012	Telephone: 530-822-7500
Date Made Active in Reports: 10/03/2012	Last EDR Contact: 12/10/2012
Number of Days to Update: 22	Next Scheduled EDR Contact: 03/25/2013
	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: 03/30/2012	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 05/25/2012	Telephone: 805-654-2813
Date Made Active in Reports: 07/06/2012	Last EDR Contact: 11/21/2012
Number of Days to Update: 42	Next Scheduled EDR Contact: 03/04/2013
	Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 10/04/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 01/21/2013
	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	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 11/15/2012
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/04/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/29/2012	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 11/06/2012	Telephone: 805-654-2813
Date Made Active in Reports: 12/03/2012	Last EDR Contact: 11/01/2012
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/11/2013
	Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/27/2012	Source: Environmental Health Division
Date Data Arrived at EDR: 09/20/2012	Telephone: 805-654-2813
Date Made Active in Reports: 10/23/2012	Last EDR Contact: 12/17/2012
Number of Days to Update: 33	Next Scheduled EDR Contact: 04/01/2013
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 10/02/2012	Source: Yolo County Department of Health
Date Data Arrived at EDR: 10/04/2012	Telephone: 530-666-8646
Date Made Active in Reports: 10/23/2012	Last EDR Contact: 12/18/2012
Number of Days to Update: 19	Next Scheduled EDR Contact: 04/08/2013
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 08/16/2012	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 08/16/2012	Telephone: 530-749-7523
Date Made Active in Reports: 10/03/2012	Last EDR Contact: 11/05/2012
Number of Days to Update: 48	Next Scheduled EDR Contact: 02/18/2013
	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: 08/20/2012	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 08/20/2012	Telephone: 860-424-3375
Date Made Active in Reports: 09/20/2012	Last EDR Contact: 11/19/2012
Number of Days to Update: 31	Next Scheduled EDR Contact: 03/04/2013
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/16/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 12/11/2012
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/07/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/22/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/27/2012
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/13/2012
Next Scheduled EDR Contact: 04/01/2013
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 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 ALAMITOS PLANT
690 NORTH STUDEBAKER ROAD
LONG BEACH, CA 90803

TARGET PROPERTY COORDINATES

Latitude (North):	33.76830 - 33° 46' 5.9"
Longitude (West):	118.1007 - 118° 6' 2.5"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	398072.9
UTM Y (Meters):	3736816.5
Elevation:	12 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33118-G1 LOS ALAMITOS, CA
Most Recent Revision:	1981

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two 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

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

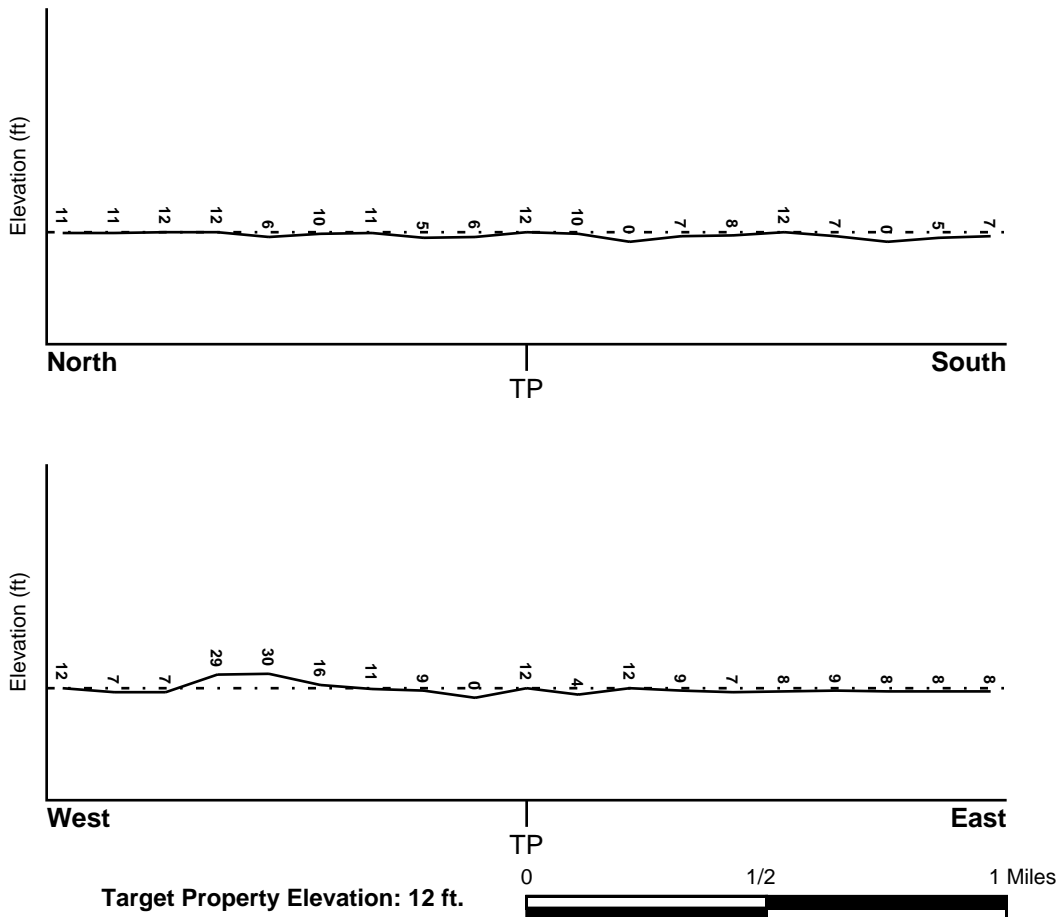
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<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: 06059C - FEMA DFIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	NWI Electronic
LOS ALAMITOS	<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</u>	<u>GENERAL DIRECTION</u>
	<u>FROM TP</u>	<u>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: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 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	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

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: loam
 clay
 silt loam
 loamy sand
 sandy loam
 fine sand
 clay loam
 gravelly - sandy loam
 coarse sand
 gravelly - sand
 sand

Surficial Soil Types: loam
 clay
 silt loam
 loamy sand
 sandy loam
 fine sand
 clay loam
 gravelly - sandy loam
 coarse sand
 gravelly - sand
 sand

Shallow Soil Types: fine sandy loam
 gravelly - loam
 sand
 silty clay

Deeper Soil Types: stratified
 clay loam
 silty clay loam
 gravelly - sandy loam
 coarse sand
 sand
 weathered bedrock
 very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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>
A3	USGS3157099	1/4 - 1/2 Mile East
A4	USGS3157098	1/4 - 1/2 Mile East
B5	USGS3156920	1/2 - 1 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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>
A1	CADW40000005594	1/4 - 1/2 Mile East
A2	CADW40000005593	1/4 - 1/2 Mile East
B6	CADW40000005620	1/2 - 1 Mile NW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG70000009920	1/4 - 1/2 Mile ESE
2	CAOG70000009088	1/4 - 1/2 Mile SSW
A3	CAOG70000008924	1/2 - 1 Mile SSW
A4	CAOG70000008920	1/2 - 1 Mile SSW
A5	CAOG70000008926	1/2 - 1 Mile SSW
B6	CAOG70000009109	1/2 - 1 Mile SW
B7	CAOG70000009200	1/2 - 1 Mile SW
B8	CAOG70000009204	1/2 - 1 Mile SW
9	CAOG70000010023	1/2 - 1 Mile WSW
B10	CAOG70000008965	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C11	CAOG70000008556	1/2 - 1 Mile SSW
D12	CAOG70000009316	1/2 - 1 Mile SW
D13	CAOG70000009442	1/2 - 1 Mile WSW
A14	CAOG70000008730	1/2 - 1 Mile SSW
D15	CAOG70000009461	1/2 - 1 Mile WSW
16	CAOG70000008894	1/2 - 1 Mile SE
E17	CAOG70000008776	1/2 - 1 Mile SSW
B18	CAOG70000008988	1/2 - 1 Mile SW
B19	CAOG70000008919	1/2 - 1 Mile SW
D20	CAOG70000009260	1/2 - 1 Mile SW
D21	CAOG70000009385	1/2 - 1 Mile WSW
22	CAOG70000008198	1/2 - 1 Mile South
E23	CAOG70000008744	1/2 - 1 Mile SSW
F24	CAOG70000008332	1/2 - 1 Mile SSW
C25	CAOG70000008142	1/2 - 1 Mile South
26	CAOG70000009889	1/2 - 1 Mile WSW
G27	CAOG70000009364	1/2 - 1 Mile WSW
G28	CAOG70000009371	1/2 - 1 Mile WSW
H29	CAOG70000009002	1/2 - 1 Mile SW
30	CAOG70000011761	1/2 - 1 Mile NNE
E31	CAOG70000008428	1/2 - 1 Mile SSW
H32	CAOG70000009104	1/2 - 1 Mile SW
I33	CAOG70000008066	1/2 - 1 Mile SSW
G34	CAOG70000009435	1/2 - 1 Mile WSW
F35	CAOG70000008092	1/2 - 1 Mile SSW
E36	CAOG70000008507	1/2 - 1 Mile SSW
G37	CAOG70000009425	1/2 - 1 Mile WSW
38	CAOG70000008133	1/2 - 1 Mile SSE
I39	CAOG70000008045	1/2 - 1 Mile SSW
J40	CAOG70000007993	1/2 - 1 Mile South
K41	CAOG70000008557	1/2 - 1 Mile SW
G42	CAOG70000009293	1/2 - 1 Mile WSW
J43	CAOG70000007973	1/2 - 1 Mile South
I44	CAOG70000007982	1/2 - 1 Mile South
L45	CAOG70000008793	1/2 - 1 Mile SW
K46	CAOG70000008436	1/2 - 1 Mile SW
I47	CAOG70000007954	1/2 - 1 Mile South
M48	CAOG70000007937	1/2 - 1 Mile South
N49	CAOG70000008121	1/2 - 1 Mile SSW
I50	CAOG70000007933	1/2 - 1 Mile South
I51	CAOG70000007980	1/2 - 1 Mile SSW
N52	CAOG70000008081	1/2 - 1 Mile SSW
O53	CAOG70000009006	1/2 - 1 Mile SW
K54	CAOG70000008500	1/2 - 1 Mile SW
I55	CAOG70000007921	1/2 - 1 Mile SSW
O56	CAOG70000009027	1/2 - 1 Mile SW
J57	CAOG70000007882	1/2 - 1 Mile South
P58	CAOG70000009964	1/2 - 1 Mile West
N59	CAOG70000008124	1/2 - 1 Mile SSW
Q60	CAOG70000007977	1/2 - 1 Mile SSW
P61	CAOG70000009914	1/2 - 1 Mile WSW
Q62	CAOG70000007942	1/2 - 1 Mile SSW
P63	CAOG70000009908	1/2 - 1 Mile WSW
R64	CAOG70000007877	1/2 - 1 Mile SSW
N65	CAOG70000008123	1/2 - 1 Mile SSW
P66	CAOG70000009904	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
S67	CAOG70000007813	1/2 - 1 Mile South
O68	CAOG70000008876	1/2 - 1 Mile SW
T69	CAOG70000008329	1/2 - 1 Mile SW
U70	CAOG70000009284	1/2 - 1 Mile WSW
P71	CAOG70000009870	1/2 - 1 Mile WSW
V72	CAOG70000009525	1/2 - 1 Mile WSW
M73	CAOG70000007805	1/2 - 1 Mile South
R74	CAOG70000007849	1/2 - 1 Mile SSW
L75	CAOG70000008723	1/2 - 1 Mile SW
T76	CAOG70000008242	1/2 - 1 Mile SW
S77	CAOG70000007783	1/2 - 1 Mile South
V78	CAOG70000009493	1/2 - 1 Mile WSW
Q79	CAOG70000007880	1/2 - 1 Mile SSW
80	CAOG70000010318	1/2 - 1 Mile West
R81	CAOG70000007784	1/2 - 1 Mile South
W82	CAOG70000007759	1/2 - 1 Mile South
O83	CAOG70000008844	1/2 - 1 Mile SW
R84	CAOG70000007806	1/2 - 1 Mile SSW
85	CAOG70000007785	1/2 - 1 Mile SSE
Q86	CAOG70000007917	1/2 - 1 Mile SSW
R87	CAOG70000007762	1/2 - 1 Mile South
88	CAOG70000007988	1/2 - 1 Mile SSW
R89	CAOG70000007748	1/2 - 1 Mile South
X90	CAOG70000010037	1/2 - 1 Mile West
U91	CAOG70000009019	1/2 - 1 Mile WSW
X92	CAOG70000010028	1/2 - 1 Mile West
U93	CAOG70000009106	1/2 - 1 Mile WSW
Y94	CAOG70000008991	1/2 - 1 Mile SW
Z95	CAOG70000008809	1/2 - 1 Mile SW
Q96	CAOG70000007788	1/2 - 1 Mile SSW
Y97	CAOG70000008950	1/2 - 1 Mile SW
X98	CAOG70000010052	1/2 - 1 Mile West
AA99	CAOG70000007726	1/2 - 1 Mile South
R100	CAOG70000007750	1/2 - 1 Mile SSW
U101	CAOG70000009117	1/2 - 1 Mile WSW
AB102	CAOG70000008366	1/2 - 1 Mile SW
U103	CAOG70000009137	1/2 - 1 Mile WSW
X104	CAOG70000010042	1/2 - 1 Mile West
Z105	CAOG70000008487	1/2 - 1 Mile SW
Y106	CAOG70000008885	1/2 - 1 Mile SW
W107	CAOG70000007717	1/2 - 1 Mile South
AC108	CAOG70000009647	1/2 - 1 Mile WSW
AA109	CAOG70000007706	1/2 - 1 Mile South
Z110	CAOG70000008533	1/2 - 1 Mile SW
V111	CAOG70000009347	1/2 - 1 Mile WSW
Y112	CAOG70000009033	1/2 - 1 Mile WSW
AA113	CAOG70000007711	1/2 - 1 Mile South
W114	CAOG70000007691	1/2 - 1 Mile South
U115	CAOG70000009097	1/2 - 1 Mile WSW
AB116	CAOG70000008152	1/2 - 1 Mile SW
AD117	CAOG70000009325	1/2 - 1 Mile WSW
AD118	CAOG70000009296	1/2 - 1 Mile WSW
W119	CAOG70000007685	1/2 - 1 Mile South
AE120	CAOG70000010628	1/2 - 1 Mile West
AF121	CAOG70000007716	1/2 - 1 Mile SSW
AD122	CAOG70000009304	1/2 - 1 Mile WSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

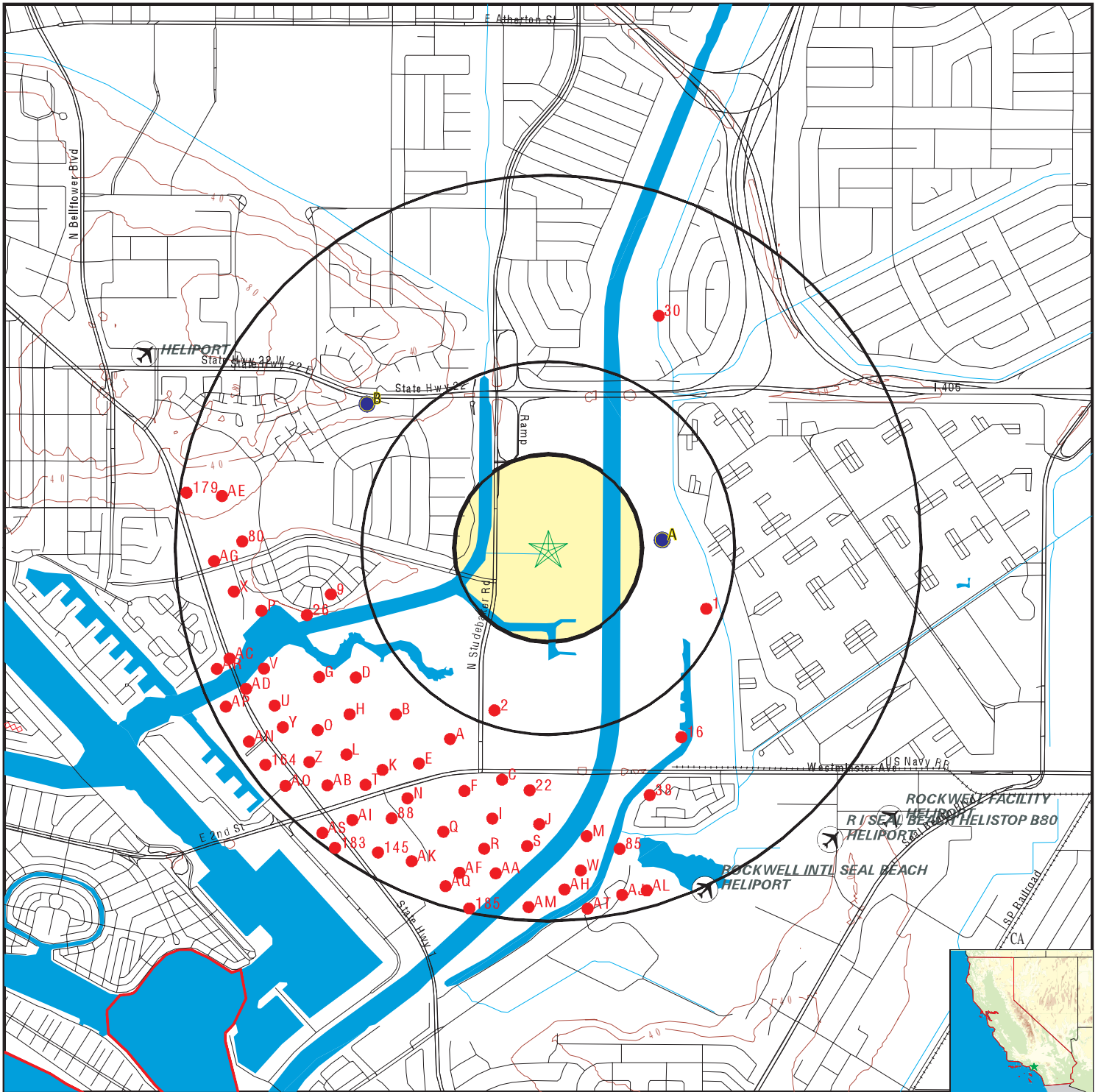
MAP ID	WELL ID	LOCATION FROM TP
AE123	CAOG70000010831	1/2 - 1 Mile WNW
AG124	CAOG70000010241	1/2 - 1 Mile West
AA125	CAOG70000007683	1/2 - 1 Mile South
AE126	CAOG70000010527	1/2 - 1 Mile West
AA127	CAOG70000007688	1/2 - 1 Mile South
AH128	CAOG70000007656	1/2 - 1 Mile South
AI129	CAOG70000007998	1/2 - 1 Mile SW
AF130	CAOG70000007714	1/2 - 1 Mile SSW
W131	CAOG70000007646	1/2 - 1 Mile South
AI132	CAOG70000007946	1/2 - 1 Mile SW
AG133	CAOG70000010220	1/2 - 1 Mile West
AJ134	CAOG70000007662	1/2 - 1 Mile SSE
AF135	CAOG70000007666	1/2 - 1 Mile SSW
AK136	CAOG70000007734	1/2 - 1 Mile SSW
AK137	CAOG70000007719	1/2 - 1 Mile SSW
AH138	CAOG70000007607	1/2 - 1 Mile South
AF139	CAOG70000007672	1/2 - 1 Mile SSW
AK140	CAOG70000007760	1/2 - 1 Mile SSW
AA141	CAOG70000007610	1/2 - 1 Mile South
AL142	CAOG70000007664	1/2 - 1 Mile SSE
AD143	CAOG70000009151	1/2 - 1 Mile WSW
AM144	CAOG70000007585	1/2 - 1 Mile South
145	CAOG70000007768	1/2 - 1 Mile SSW
AN146	CAOG70000008901	1/2 - 1 Mile WSW
AH147	CAOG70000007576	1/2 - 1 Mile South
AN148	CAOG70000008886	1/2 - 1 Mile WSW
AC149	CAOG70000009460	1/2 - 1 Mile WSW
AO150	CAOG70000008278	1/2 - 1 Mile SW
AO151	CAOG70000008551	1/2 - 1 Mile SW
AP152	CAOG70000009108	1/2 - 1 Mile WSW
AQ153	CAOG70000007633	1/2 - 1 Mile SSW
AO154	CAOG70000008424	1/2 - 1 Mile SW
AR155	CAOG70000009477	1/2 - 1 Mile WSW
AO156	CAOG70000008235	1/2 - 1 Mile SW
AN157	CAOG70000008897	1/2 - 1 Mile WSW
AR158	CAOG70000009452	1/2 - 1 Mile WSW
AR159	CAOG70000009415	1/2 - 1 Mile WSW
AN160	CAOG70000008858	1/2 - 1 Mile WSW
AO161	CAOG70000008154	1/2 - 1 Mile SW
AQ162	CAOG70000007611	1/2 - 1 Mile SSW
AM163	CAOG70000007557	1/2 - 1 Mile South
164	CAOG70000008565	1/2 - 1 Mile SW
AN165	CAOG70000008728	1/2 - 1 Mile SW
AP166	CAOG70000009130	1/2 - 1 Mile WSW
AJ167	CAOG70000007594	1/2 - 1 Mile SSE
AS168	CAOG70000007971	1/2 - 1 Mile SW
AN169	CAOG70000008934	1/2 - 1 Mile WSW
AO170	CAOG70000008306	1/2 - 1 Mile SW
AJ171	CAOG70000007551	1/2 - 1 Mile South
AT172	CAOG70000007545	1/2 - 1 Mile South
AN173	CAOG70000008732	1/2 - 1 Mile SW
AO174	CAOG70000008031	1/2 - 1 Mile SW
AJ175	CAOG70000007562	1/2 - 1 Mile SSE
AT176	CAOG70000007541	1/2 - 1 Mile South
AS177	CAOG70000007871	1/2 - 1 Mile SW
AM178	CAOG70000007540	1/2 - 1 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
179	CAOG70000010699	1/2 - 1 Mile West
AL180	CAOG70000007558	1/2 - 1 Mile SSE
AS181	CAOG70000007817	1/2 - 1 Mile SW
AN182	CAOG70000008932	1/2 - 1 Mile WSW
183	CAOG70000007799	1/2 - 1 Mile SW
AP184	CAOG70000009102	1/2 - 1 Mile WSW
185	CAOG70000007542	1/2 - 1 Mile SSW
AM186	CAOG70000007537	1/2 - 1 Mile South

PHYSICAL SETTING SOURCE MAP - 3199383.2s



- 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 Alamos Plant
 ADDRESS: 690 North Studebaker Road
 Long Beach CA 90803
 LAT/LONG: 33.7683 / 118.1007

CLIENT: Env. Management Strategies
 CONTACT: Mark Jirgal
 INQUIRY #: 3199383.2s
 DATE: November 02, 2011 1:49 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
East
1/4 - 1/2 Mile
Higher

CA WELLS CADW40000005594

Longitude: -118.0951
Latitude: 33.7686
Stwellno: 05S12W01E002S
Districtco: 3
Welluseco: Z
Countyco: 19
Gwcode: 401104
Site id: CADW40000005594

A2
East
1/4 - 1/2 Mile
Higher

CA WELLS CADW40000005593

Longitude: -118.0948
Latitude: 33.7686
Stwellno: 05S12W01E001S
Districtco: 3
Welluseco: Z
Countyco: 19
Gwcode: 401104
Site id: CADW40000005593

A3
East
1/4 - 1/2 Mile
Lower

FED USGS USGS3157099

Agency cd:	USGS	Site no:	334607118053901
Site name:	005S012W01E002S		
Latitude:	334607	EDR Site id:	USGS3157099
Longitude:	1180539	Dec lat:	33.76862805
Dec lon:	-118.09506429	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	037
Country:	US	Land net:	Not Reported
Location map:	LOS ALAMITOS	Map scale:	24000
Altitude:	10.1		
Altitude method:	Level or other surveying method		
Altitude accuracy:	1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Gabriel, California. Area = 713 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19590601
Date inventoried:	19950830	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	173.50	Hole depth:	210
Source of depth data:	reporting agency (generally USGS)		
Project number:	470651200		
Real time data flag:	0		
Daily flow data begin date:	0000-00-00	Daily flow data count:	0
Daily flow data end date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data begin date:	0000-00-00		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0	Water quality data begin date: 1995-08-30
Water quality data end date: 1995-08-30	Water quality data count: 1
Ground water data begin date: 1995-08-30	Ground water data end date: 1995-08-30
Ground water data count: 1	

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1995-08-30	11.42	

A4
East
1/4 - 1/2 Mile
Lower

FED USGS USGS3157098

Agency cd: USGS	Site no: 334607118053801
Site name: 005S012W01E001S	
Latitude: 334607	EDR Site id: USGS3157098
Longitude: 1180538	Dec lat: 33.76862805
Dec lon: -118.0947865	Coor meth: M
Coor acc: S	Latlong datum: NAD27
Dec latlong datum: NAD83	District: 06
State: 06	County: 037
Country: US	Land net: Not Reported
Location map: LOS ALAMITOS	Map scale: 24000
Altitude: 10.2	
Altitude method: Level or other surveying method	
Altitude accuracy: 1	
Altitude datum: National Geodetic Vertical Datum of 1929	
Hydrologic: San Gabriel. California. Area = 713 sq.mi.	
Topographic: Flat surface	
Site type: Ground-water other than Spring	Date construction: 19590529
Date inventoried: 19950830	Mean greenwich time offset: PST
Local standard time flag: Y	
Type of ground water site: Single well, other than collector or Ranney type	
Aquifer Type: Not Reported	
Aquifer: Not Reported	
Well depth: 630.95	Hole depth: 900
Source of depth data: reporting agency (generally USGS)	
Project number: 470651200	
Real time data flag: 0	Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00	Daily flow data count: 0
Peak flow data begin date: 0000-00-00	Peak flow data end date: 0000-00-00
Peak flow data count: 0	Water quality data begin date: 1995-08-30
Water quality data end date: 1995-08-30	Water quality data count: 1
Ground water data begin date: 1995-08-30	Ground water data end date: 1995-08-30
Ground water data count: 1	

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1995-08-30	42.68	

B5
NW
1/2 - 1 Mile
Higher

FED USGS USGS3156920

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	334626118062801
Site name:	005S012W02C001S	EDR Site id:	USGS3156920
Latitude:	334626	Dec lat:	33.77390587
Longitude:	1180628	Coor meth:	M
Dec lon:	-118.10867606	Latlong datum:	NAD27
Coor accr:	S	District:	06
Dec latlong datum:	NAD83	County:	059
State:	06	Land net:	NENWS02T05SR12WS
Country:	US	Map scale:	24000
Location map:	LOS ALAMITOS		
Altitude:	25.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Gabriel. California. Area = 713 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	1020
Source of depth data:	Not Reported		
Project number:	479300200		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data count:	0		
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0		
Water quality data begin date:	0000-00-00		
Water quality data end date:	0000-00-00		
Water quality data count:	0		
Ground water data begin date:	1977-02-03	Ground water data end date:	1977-02-03
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1977-02-03	26.80	

**B6
NW
1/2 - 1 Mile
Higher**

CA WELLS CADW40000005620

Longitude:	-118.1087
Latitude:	33.7739
Stwellno:	05S12W02C001S
Districtco:	3
Welluseco:	Z
Countyco:	19
Gwcode:	401104
Site id:	CADW40000005620

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1

ESE

1/4 - 1/2 Mile

OIL_GAS

CAOG70000009920

Apinumber:	03708560	District:	1
Geodistrict:	0	Statuscode:	006
Gissourcec:	Not Reported	Wellsymbol:	DH
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant Estate (nct-1)		
Wellnumber:	1		
Operatorna:	Chevron U.S.A. Inc.		
Fieldname:	Any Field	Areaname:	Any Area
Section:	1	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.765938		
Long83:	-118.093336		
Site id:	CAOG70000009920		

2

SSW

1/4 - 1/2 Mile

OIL_GAS

CAOG70000009088

Apinumber:	03708984	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	1		
Operatorna:	Union Oil Co. of California		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	2	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.761986		
Long83:	-118.103201		
Site id:	CAOG70000009088		

A3

SSW

1/2 - 1 Mile

OIL_GAS

CAOG70000008924

Apinumber:	03707130	District:	1
Geodistrict:	0	Statuscode:	136
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	58		
Operatorna:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	2	Township:	5S
Range:	12W	Basemeridi:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.761129
 Long83: -118.105191
 Site id: CAOG70000008924

**A4
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000008920

Apinumber: 03707145	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 74		
Operatona: BreitBurn Energy Co. LP		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 2	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.7611		
Long83: -118.105419		
Site id: CAOG70000008920		

**A5
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000008926

Apinumber: 03707142	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 70		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: North Block	
Section: 2	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.761135		
Long83: -118.105625		
Site id: CAOG70000008926		

**B6
SW
1/2 - 1 Mile**

OIL_GAS CAOG70000009109

Apinumber: 03707139	District: 1	
Geodistrict: 0	Statuscode: 136	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 67		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: North Block	
Section: 2	Township: 5S	
Range: 12W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.762088
 Long83: -118.107384
 Site id: CAOG70000009109

**B7
SW
1/2 - 1 Mile**

OIL_GAS CAOG70000009200

Apinumber:	03707129	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	57		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	2	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.762513		
Long83:	-118.108284		
Site id:	CAOG70000009200		

**B8
SW
1/2 - 1 Mile**

OIL_GAS CAOG70000009204

Apinumber:	05907012	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Orange
Leasename:	Not Reported		
Wellnumber:	57		
Operatona:	Hellman Properties LLC		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	12	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.762522		
Long83:	-118.108362		
Site id:	CAOG70000009204		

**9
WSW
1/2 - 1 Mile**

OIL_GAS CAOG70000010023

Apinumber:	03700121	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	43		
Operatona:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	2	Township:	5S
Range:	12W	Basemeridi:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.766503
 Long83: -118.11082
 Site id: CAOG70000010023

**B10
SW
1/2 - 1 Mile**

OIL_GAS CAOG70000008965

Apinumber:	03707131	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	59		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	2	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.761314		
Long83:	-118.106798		
Site id:	CAOG70000008965		

**C11
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000008556

Apinumber:	03707998	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	9		
Operatona:	CalResources LLC		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	2	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.75984		
Long83:	-118.102838		
Site id:	CAOG70000008556		

**D12
SW
1/2 - 1 Mile**

OIL_GAS CAOG70000009316

Apinumber:	03705601	District:	1
Geodistrict:	0	Statuscode:	136
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	73		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	2	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.763012
 Long83: -118.108934
 Site id: CAOG70000009316

**D13
WSW
1/2 - 1 Mile**

OIL_GAS CAOG70000009442

Apinumber:	03707133	District:	1
Geodistrict:	0	Statuscode:	016
Gissourcec:	Not Reported	Wellsymbol:	AI
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	61		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	2	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.763582		
Long83:	-118.109546		
Site id:	CAOG70000009442		

**A14
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000008730

Apinumber:	03706351	District:	1
Geodistrict:	0	Statuscode:	044
Gissourcec:	Not Reported	Wellsymbol:	AI
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	53		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	2	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.76013		
Long83:	-118.104842		
Site id:	CAOG70000008730		

**D15
WSW
1/2 - 1 Mile**

OIL_GAS CAOG70000009461

Apinumber:	03707128	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	56		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	2	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.763672
 Long83: -118.109867
 Site id: CAOG70000009461

**16
SE
1/2 - 1 Mile**

OIL_GAS CAOG70000008894

Apinumber: 03707992	District: 1	
Geodistrict: 0	Statuscode: 006	
Gissourcec: Not Reported	Wellsymbol: DH	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bryant		
Wellnumber: 3		
Operatona: CalResources LLC		
Fieldname: Any Field	Areaname: Any Area	
Section: 1	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.760943		
Long83: -118.094497		
Site id: CAOG70000008894		

**E17
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000008776

Apinumber: 03706973	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 1		
Operatona: BreitBurn Energy Co. LP		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 2	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.760334		
Long83: -118.106382		
Site id: CAOG70000008776		

**B18
SW
1/2 - 1 Mile**

OIL_GAS CAOG70000008988

Apinumber: 03707023	District: 1	
Geodistrict: 0	Statuscode: 036	
Gissourcec: Not Reported	Wellsymbol: AI	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 50		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: North Block	
Section: 2	Township: 5S	
Range: 12W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.761454
 Long83: -118.10819
 Site id: CAOG70000008988

**B19
SW
1/2 - 1 Mile**

OIL_GAS CAOG70000008919

Apinumber: 03707019	District: 1	
Geodistrict: 0	Statuscode: 042	
Gissourcec: Not Reported	Wellsymbol: AI	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 46		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 11	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.761098		
Long83: -118.107766		
Site id: CAOG70000008919		

**D20
SW
1/2 - 1 Mile**

OIL_GAS CAOG70000009260

Apinumber: 03707024	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 51		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: North Block	
Section: 2	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.76272		
Long83: -118.10972		
Site id: CAOG70000009260		

**D21
WSW
1/2 - 1 Mile**

OIL_GAS CAOG70000009385

Apinumber: 03707141	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 69		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: North Block	
Section: 2	Township: 5S	
Range: 12W	Basemeri: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.763337
 Long83: -118.110233
 Site id: CAOG70000009385

**22
 South
 1/2 - 1 Mile**

OIL_GAS CAOG70000008198

Apinumber: 03707999	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bryant		
Wellnumber: 10		
Operatona: CalResources LLC		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.758875		
Long83: -118.101562		
Site id: CAOG70000008198		

**E23
 SSW
 1/2 - 1 Mile**

OIL_GAS CAOG70000008744

Apinumber: 03707022	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 49		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: North Block	
Section: 2	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.760187		
Long83: -118.106521		
Site id: CAOG70000008744		

**F24
 SSW
 1/2 - 1 Mile**

OIL_GAS CAOG70000008332

Apinumber: 03707021	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 48		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: North Block	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.759224
 Long83: -118.104844
 Site id: CAOG7000008332

**C25
 South
 1/2 - 1 Mile**

OIL_GAS CAOG7000008142

Apinumber: 03707997	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bryant		
Wellnumber: 8		
Operatona: CalResources LLC		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.758737		
Long83: -118.102858		
Site id: CAOG7000008142		

**26
 WSW
 1/2 - 1 Mile**

OIL_GAS CAOG7000009889

Apinumber: 03708509	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: San Gabriel		
Wellnumber: 33		
Operatona: Chevron U.S.A. Inc.		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 2	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.765691		
Long83: -118.111937		
Site id: CAOG7000009889		

**G27
 WSW
 1/2 - 1 Mile**

OIL_GAS CAOG7000009364

Apinumber: 03707146	District: 1	
Geodistrict: 0	Statuscode: 037	
Gissourcec: Not Reported	Wellsymbol: AI	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 75		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: North Block	
Section: 2	Township: 5S	
Range: 12W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.763225
 Long83: -118.110925
 Site id: CAOG70000009364

**G28
 WSW
 1/2 - 1 Mile**

OIL_GAS CAOG70000009371

Apinumber: 03707132	District: 1	
Geodistrict: 0	Statuscode: 044	
Gissourcec: Not Reported	Wellsymbol: AI	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 60		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: North Block	
Section: 2	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.763266		
Long83: -118.110987		
Site id: CAOG70000009371		

**H29
 SW
 1/2 - 1 Mile**

OIL_GAS CAOG70000009002

Apinumber: 03707126	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 54		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 2	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.761596		
Long83: -118.109591		
Site id: CAOG70000009002		

**30
 NNE
 1/2 - 1 Mile**

OIL_GAS CAOG70000011761

Apinumber: 05907881	District: 1	
Geodistrict: 0	Statuscode: 006	
Gissourcec: Not Reported	Wellsymbol: DH	
Confidenti: Not Reported	Countyname: Orange	
Leasename: Bixby Ranch (nct-1)		
Wellnumber: 1		
Operatona: Chevron U.S.A. Inc.		
Fieldname: Any Field	Areaname: Any Area	
Section: 36	Township: 4S	
Range: 12W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.77734
 Long83: -118.095545
 Site id: CAOG70000011761

**E31
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000008428

Apinumber:	03707017	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	44		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.759486		
Long83:	-118.106475		
Site id:	CAOG70000008428		

**H32
SW
1/2 - 1 Mile**

OIL_GAS CAOG70000009104

Apinumber:	03707020	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	47		
Operatona:	Conoco Inc.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	2	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.762073		
Long83:	-118.110311		
Site id:	CAOG70000009104		

**I33
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000008066

Apinumber:	03706954	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Rancho		
Wellnumber:	1		
Operatona:	Asphalt Petroleum Co. of Calif.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.758304
 Long83: -118.103327
 Site id: CAOG70000008066

**G34
WSW
1/2 - 1 Mile**

OIL_GAS CAOG70000009435

Apinumber:	03707025	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	52		
Operatona:	BreitBurn Energy Co. LP		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	2	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.763547		
Long83:	-118.111621		
Site id:	CAOG70000009435		

**F35
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000008092

Apinumber:	03707140	District:	1
Geodistrict:	0	Statuscode:	136
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	68		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.758472		
Long83:	-118.104359		
Site id:	CAOG70000008092		

**E36
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000008507

Apinumber:	03707018	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	45		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	2	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.759683
 Long83: -118.1075
 Site id: CAOG70000008507

**G37
WSW
1/2 - 1 Mile**

OIL_GAS CAOG70000009425

Apinumber: 03707150	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 79		
Operatona: BreitBurn Energy Co. LP		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 2	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.763492		
Long83: -118.111696		
Site id: CAOG70000009425		

**38
SSE
1/2 - 1 Mile**

OIL_GAS CAOG70000008133

Apinumber: 03708484	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bryant Four		
Wellnumber: 1		
Operatona: CalResources LLC		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.758689		
Long83: -118.095972		
Site id: CAOG70000008133		

**I39
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000008045

Apinumber: 03708000	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bryant		
Wellnumber: 11		
Operatona: CalResources LLC		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.758169
 Long83: -118.103507
 Site id: CAOG70000008045

**J40
 South
 1/2 - 1 Mile**

OIL_GAS CAOG70000007993

Apinumber:	03707994	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	5N		
Operatona:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.75783		
Long83:	-118.100695		
Site id:	CAOG70000007993		

**K41
 SW
 1/2 - 1 Mile**

OIL_GAS CAOG70000008557

Apinumber:	03707151	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	81		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	2	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.759844		
Long83:	-118.108104		
Site id:	CAOG70000008557		

**G42
 WSW
 1/2 - 1 Mile**

OIL_GAS CAOG70000009293

Apinumber:	03707127	District:	1
Geodistrict:	0	Statuscode:	009
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	55		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	2	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.762884
 Long83: -118.111596
 Site id: CAOG70000009293

J43
South
1/2 - 1 Mile

OIL_GAS CAOG70000007973

Apinumber:	03708485	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant Lw		
Wellnumber:	1		
Operatorna:	Chevron U.S.A. Inc.		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.757707		
Long83:	-118.101806		
Site id:	CAOG70000007973		

I44
South
1/2 - 1 Mile

OIL_GAS CAOG70000007982

Apinumber:	03718812	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	27		
Operatorna:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.757744		
Long83:	-118.102671		
Site id:	CAOG70000007982		

L45
SW
1/2 - 1 Mile

OIL_GAS CAOG70000008793

Apinumber:	03706997	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	24		
Operatorna:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	2	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.760436
 Long83: -118.109479
 Site id: CAOG70000008793

K46
SW
1/2 - 1 Mile

OIL_GAS CAOG70000008436

Apinumber:	03706999	District:	1
Geodistrict:	0	Statuscode:	090
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	26		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.759499		
Long83:	-118.108109		
Site id:	CAOG70000008436		

I47
South
1/2 - 1 Mile

OIL_GAS CAOG70000007954

Apinumber:	03707993	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	4		
Operatona:	CalResources LLC		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.757602		
Long83:	-118.102949		
Site id:	CAOG70000007954		

M48
South
1/2 - 1 Mile

OIL_GAS CAOG70000007937

Apinumber:	03707996	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	7		
Operatona:	CalResources LLC		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.75752
 Long83: -118.098545
 Site id: CAOG70000007937

**N49
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000008121

Apinumber:	03706998	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	25		
Operatorna:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.758601		
Long83:	-118.106782		
Site id:	CAOG70000008121		

**I50
South
1/2 - 1 Mile**

OIL_GAS CAOG70000007933

Apinumber:	03718811	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	26		
Operatorna:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	11	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.757488		
Long83:	-118.102946		
Site id:	CAOG70000007933		

**I51
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000007980

Apinumber:	03706992	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	19		
Operatorna:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeridi:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.757733
 Long83: -118.104357
 Site id: CAOG7000007980

**N52
SSW
1/2 - 1 Mile**

OIL_GAS CAOG7000008081

Apinumber:	03707016	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	43		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.75842		
Long83:	-118.10652		
Site id:	CAOG7000008081		

**O53
SW
1/2 - 1 Mile**

OIL_GAS CAOG7000009006

Apinumber:	03707001	District:	1
Geodistrict:	0	Statuscode:	009
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	28		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	2	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.761623		
Long83:	-118.111198		
Site id:	CAOG7000009006		

**K54
SW
1/2 - 1 Mile**

OIL_GAS CAOG7000008500

Apinumber:	03707148	District:	1
Geodistrict:	0	Statuscode:	009
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	77		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	2	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.759662
 Long83: -118.109046
 Site id: CAOG70000008500

I55
SSW
 1/2 - 1 Mile

OIL_GAS CAOG70000007921

Apinumber:	03718819	District:	1
Geodistrict:	0	Statuscode:	090
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	31		
Operatona:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.7574		
Long83:	-118.103345		
Site id:	CAOG70000007921		

O56
SW
 1/2 - 1 Mile

OIL_GAS CAOG70000009027

Apinumber:	03720684	District:	1
Geodistrict:	0	Statuscode:	009
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	82		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	2	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.76171		
Long83:	-118.111502		
Site id:	CAOG70000009027		

J57
South
 1/2 - 1 Mile

OIL_GAS CAOG70000007882

Apinumber:	03708486	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant Lw		
Wellnumber:	2		
Operatona:	Chevron U.S.A. Inc.		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.757127
 Long83: -118.10085
 Site id: CAOG7000007882

**P58
 West
 1/2 - 1 Mile**

OIL_GAS CAOG7000009964

Apinumber:	03708515	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	39		
Operatorna:	The Termo Co.		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.766154		
Long83:	-118.113882		
Site id:	CAOG7000009964		

**N59
 SSW
 1/2 - 1 Mile**

OIL_GAS CAOG7000008124

Apinumber:	03707136	District:	1
Geodistrict:	0	Statuscode:	009
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	64		
Operatorna:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.758626		
Long83:	-118.107698		
Site id:	CAOG7000008124		

**Q60
 SSW
 1/2 - 1 Mile**

OIL_GAS CAOG7000007977

Apinumber:	03706994	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	21		
Operatorna:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.757716
 Long83: -118.105504
 Site id: CAOG70000007977

**P61
WSW
1/2 - 1 Mile**

OIL_GAS CAOG70000009914

Apinumber: 03708512	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: San Gabriel		
Wellnumber: 36		
Operatona: The Termo Co.		
Fieldname: Seal Beach	Areaname: North Block	
Section: 3	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.765895		
Long83: -118.114013		
Site id: CAOG70000009914		

**Q62
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000007942

Apinumber: 03707015	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 42		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 11	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.757529		
Long83: -118.105244		
Site id: CAOG70000007942		

**P63
WSW
1/2 - 1 Mile**

OIL_GAS CAOG70000009908

Apinumber: 03708507	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: San Gabriel		
Wellnumber: 31		
Operatona: The Termo Co.		
Fieldname: Seal Beach	Areaname: North Block	
Section: 3	Township: 5S	
Range: 12W	Basemeri: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.765857
 Long83: -118.114067
 Site id: CAOG70000009908

**R64
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000007877

Apinumber: 03718815	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bryant		
Wellnumber: 30		
Operatona: Signal Hill Petroleum, Inc.		
Fieldname: Seal Beach	Areaname: South Block	
Section: 11	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.75711		
Long83: -118.103508		
Site id: CAOG70000007877		

**N65
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000008123

Apinumber: 03707002	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 29		
Operatona: BreitBurn Energy Co. LP		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 11	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.758613		
Long83: -118.108024		
Site id: CAOG70000008123		

**P66
WSW
1/2 - 1 Mile**

OIL_GAS CAOG70000009904

Apinumber: 03708506	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: San Gabriel		
Wellnumber: 30		
Operatona: The Termo Co.		
Fieldname: Seal Beach	Areaname: North Block	
Section: 3	Township: 5S	
Range: 12W	Basemeri: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.765815
 Long83: -118.11411
 Site id: CAOG70000009904

S67
South
1/2 - 1 Mile

OIL_GAS CAOG70000007813

Apinumber: 03718813	District: 1	
Geodistrict: 0	Statuscode: 009	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bryant		
Wellnumber: 28		
Operatona: Signal Hill Petroleum, Inc.		
Fieldname: Seal Beach	Areaname: North Block	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.756829		
Long83: -118.101734		
Site id: CAOG70000007813		

O68
SW
1/2 - 1 Mile

OIL_GAS CAOG70000008876

Apinumber: 03707013	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 40		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 2	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.760842		
Long83: -118.111208		
Site id: CAOG70000008876		

T69
SW
1/2 - 1 Mile

OIL_GAS CAOG70000008329

Apinumber: 03707005	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 32		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.759217
 Long83: -118.109251
 Site id: CAOG70000008329

U70
WSW
 1/2 - 1 Mile

OIL_GAS CAOG70000009284

Apinumber:	03706995	District:	1
Geodistrict:	0	Statuscode:	009
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	22		
Operatorna:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.762805		
Long83:	-118.112926		
Site id:	CAOG70000009284		

P71
WSW
 1/2 - 1 Mile

OIL_GAS CAOG70000009870

Apinumber:	03708508	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	32		
Operatorna:	The Termo Co.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.765601		
Long83:	-118.114218		
Site id:	CAOG70000009870		

V72
WSW
 1/2 - 1 Mile

OIL_GAS CAOG70000009525

Apinumber:	03708519	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	44		
Operatorna:	The Termo Co.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.763883
 Long83: -118.113618
 Site id: CAOG70000009525

M73
South
1/2 - 1 Mile

OIL_GAS CAOG70000007805

Apinumber: 03718805	District: 1	
Geodistrict: 0	Statuscode: 044	
Gissourcec: Not Reported	Wellsymbol: AI	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bryant		
Wellnumber: 18		
Operatona: Signal Hill Petroleum, Inc.		
Fieldname: Seal Beach	Areaname: North Block	
Section: 11	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.756658		
Long83: -118.099267		
Site id: CAOG70000007805		

R74
SSW
1/2 - 1 Mile

OIL_GAS CAOG70000007849

Apinumber: 03706983	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 10		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 11	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.756999		
Long83: -118.104365		
Site id: CAOG70000007849		

L75
SW
1/2 - 1 Mile

OIL_GAS CAOG70000008723

Apinumber: 03707003	District: 1	
Geodistrict: 0	Statuscode: 067	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 30		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 2	Township: 5S	
Range: 12W	Basemeri: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.760094
 Long83: -118.11071
 Site id: CAOG70000008723

**T76
SW
1/2 - 1 Mile**

OIL_GAS CAOG70000008242

Apinumber:	03706974	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	2		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.758957		
Long83:	-118.109171		
Site id:	CAOG70000008242		

**S77
South
1/2 - 1 Mile**

OIL_GAS CAOG70000007783

Apinumber:	03718810	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	25		
Operatona:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.756576		
Long83:	-118.101627		
Site id:	CAOG70000007783		

**V78
WSW
1/2 - 1 Mile**

OIL_GAS CAOG70000009493

Apinumber:	03708530	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	15		
Operatona:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.763781
 Long83: -118.113697
 Site id: CAOG70000009493

Q79
SSW
1/2 - 1 Mile

OIL_GAS CAOG70000007880

Apinumber:	03707009	District:	1
Geodistrict:	0	Statuscode:	009
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	36		
Operatorma:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.757114		
Long83:	-118.105192		
Site id:	CAOG70000007880		

80
West
1/2 - 1 Mile

OIL_GAS CAOG70000010318

Apinumber:	03708545	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel-Alamitos		
Wellnumber:	1		
Operatorma:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.76856		
Long83:	-118.114951		
Site id:	CAOG70000010318		

R81
South
1/2 - 1 Mile

OIL_GAS CAOG70000007784

Apinumber:	03708568	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	3		
Operatorma:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.756591
 Long83: -118.103376
 Site id: CAOG70000007784

**W82
 South
 1/2 - 1 Mile**

OIL_GAS CAOG70000007759

Apinumber: 03718807	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bryant		
Wellnumber: 22		
Operatona: Chevron U.S.A. Inc.		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.756349		
Long83: -118.099436		
Site id: CAOG70000007759		

**O83
 SW
 1/2 - 1 Mile**

OIL_GAS CAOG70000008844

Apinumber: 03707134	District: 1	
Geodistrict: 0	Statuscode: 036	
Gissourcec: Not Reported	Wellsymbol: AI	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 62		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 2	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.760688		
Long83: -118.111829		
Site id: CAOG70000008844		

**R84
 SSW
 1/2 - 1 Mile**

OIL_GAS CAOG70000007806

Apinumber: 03707144	District: 1	
Geodistrict: 0	Statuscode: 009	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 80		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.756679
 Long83: -118.10436
 Site id: CAOG70000007806

**85
SSE
1/2 - 1 Mile**

OIL_GAS CAOG70000007785

Apinumber:	03707995	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	6		
Operatorma:	CalResources LLC		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.756596		
Long83:	-118.097368		
Site id:	CAOG70000007785		

**Q86
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000007917

Apinumber:	03707000	District:	1
Geodistrict:	0	Statuscode:	015
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	27		
Operatorma:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.75734		
Long83:	-118.106676		
Site id:	CAOG70000007917		

**R87
South
1/2 - 1 Mile**

OIL_GAS CAOG70000007762

Apinumber:	03718818	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	15		
Operatorma:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.756359
 Long83: -118.103018
 Site id: CAOG70000007762

88
SSW
1/2 - 1 Mile

OIL_GAS CAOG70000007988

Apinumber:	03706975	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	3		
Operatona:	BreitBurn Energy Co. LP		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	11	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.757785		
Long83:	-118.107988		
Site id:	CAOG70000007988		

R89
South
1/2 - 1 Mile

OIL_GAS CAOG70000007748

Apinumber:	03708572	District:	1
Geodistrict:	0	Statuscode:	015
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	7		
Operatona:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.756229		
Long83:	-118.102807		
Site id:	CAOG70000007748		

X90
West
1/2 - 1 Mile

OIL_GAS CAOG70000010037

Apinumber:	03708511	District:	1
Geodistrict:	0	Statuscode:	016
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	35		
Operatona:	The Termo Co.		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	3	Township:	5S
Range:	12W	Basemeridi:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.766604
 Long83: -118.115175
 Site id: CAOG70000010037

**U91
 WSW
 1/2 - 1 Mile**

OIL_GAS CAOG70000009019

Apinumber:	03706985	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	12		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.761698		
Long83:	-118.11301		
Site id:	CAOG70000009019		

**X92
 West
 1/2 - 1 Mile**

OIL_GAS CAOG70000010028

Apinumber:	03708510	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	34		
Operatona:	The Termo Co.		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.766529		
Long83:	-118.115186		
Site id:	CAOG70000010028		

**U93
 WSW
 1/2 - 1 Mile**

OIL_GAS CAOG70000009106

Apinumber:	03707137	District:	1
Geodistrict:	0	Statuscode:	036
Gissourcec:	Not Reported	Wellsymbol:	AI
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	65		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.762083
 Long83: -118.113318
 Site id: CAOG70000009106

**Y94
SW
1/2 - 1 Mile**

OIL_GAS CAOG70000008991

Apinumber: 03707147	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 76		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 3	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.761472		
Long83: -118.112891		
Site id: CAOG70000008991		

**Z95
SW
1/2 - 1 Mile**

OIL_GAS CAOG70000008809

Apinumber: 03706986	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 13		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 2	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.760504		
Long83: -118.112067		
Site id: CAOG70000008809		

**Q96
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000007788

Apinumber: 03706989	District: 1	
Geodistrict: 0	Statuscode: 009	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 16		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.756621
Long83: -118.1053
Site id: CAOG7000007788

**Y97
SW
1/2 - 1 Mile**

OIL_GAS CAOG7000008950

Apinumber:	03707007	District:	1
Geodistrict:	0	Statuscode:	009
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	34		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.761235		
Long83:	-118.112866		
Site id:	CAOG7000008950		

**X98
West
1/2 - 1 Mile**

OIL_GAS CAOG7000010052

Apinumber:	03708505	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	29		
Operatona:	The Termo Co.		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.766682		
Long83:	-118.115409		
Site id:	CAOG7000010052		

**AA99
South
1/2 - 1 Mile**

OIL_GAS CAOG7000007726

Apinumber:	03708575	District:	1
Geodistrict:	0	Statuscode:	009
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	12		
Operatona:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.756003
 Long83: -118.102689
 Site id: CAOG70000007726

**R100
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000007750

Apinumber: 03706982	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 9		
Operatona: BreitBurn Energy Co. LP		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.756251		
Long83: -118.104326		
Site id: CAOG70000007750		

**U101
WSW
1/2 - 1 Mile**

OIL_GAS CAOG70000009117

Apinumber: 03707011	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 38		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 3	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.762148		
Long83: -118.11364		
Site id: CAOG70000009117		

**AB102
SW
1/2 - 1 Mile**

OIL_GAS CAOG70000008366

Apinumber: 03706987	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 14		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.759342
 Long83: -118.111155
 Site id: CAOG7000008366

**U103
 WSW
 1/2 - 1 Mile**

OIL_GAS CAOG7000009137

Apinumber:	03707149	District:	1
Geodistrict:	0	Statuscode:	037
Gissourcec:	Not Reported	Wellsymbol:	AI
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	78		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.762256		
Long83:	-118.113838		
Site id:	CAOG7000009137		

**X104
 West
 1/2 - 1 Mile**

OIL_GAS CAOG7000010042

Apinumber:	03708543	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	54		
Operatona:	The Termo Co.		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.766632		
Long83:	-118.115593		
Site id:	CAOG7000010042		

**Z105
 SW
 1/2 - 1 Mile**

OIL_GAS CAOG7000008487

Apinumber:	03707014	District:	1
Geodistrict:	0	Statuscode:	044
Gissourcec:	Not Reported	Wellsymbol:	AI
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	41		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.759634
 Long83: -118.111574
 Site id: CAOG70000008487

Y106
SW
1/2 - 1 Mile

OIL_GAS CAOG70000008885

Apinumber: 03706979	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 6		
Operatona: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 3	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.76088		
Long83: -118.112851		
Site id: CAOG70000008885		

W107
South
1/2 - 1 Mile

OIL_GAS CAOG70000007717

Apinumber: 03707991	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bryant		
Wellnumber: 2		
Operatona: CalResources LLC		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 11	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.755872		
Long83: -118.098272		
Site id: CAOG70000007717		

AC108
WSW
1/2 - 1 Mile

OIL_GAS CAOG70000009647

Apinumber: 03708533	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: San Gabriel		
Wellnumber: 18		
Operatona: Chevron U.S.A. Inc.		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 3	Township: 5S	
Range: 12W	Basemeri: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.764344
 Long83: -118.115027
 Site id: CAOG70000009647

AA109
South
1/2 - 1 Mile

OIL_GAS CAOG70000007706

Apinumber:	03708569	District:	1
Geodistrict:	0	Statuscode:	009
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	4		
Operatona:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.755773		
Long83:	-118.102449		
Site id:	CAOG70000007706		

Z110
SW
1/2 - 1 Mile

OIL_GAS CAOG70000008533

Apinumber:	03706977	District:	1
Geodistrict:	0	Statuscode:	036
Gissourcec:	Not Reported	Wellsymbol:	AI
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	4		
Operatona:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	2	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.75978		
Long83:	-118.111834		
Site id:	CAOG70000008533		

V111
WSW
1/2 - 1 Mile

OIL_GAS CAOG70000009347

Apinumber:	03708504	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	28		
Operatona:	The Termo Co.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.763166
 Long83: -118.114505
 Site id: CAOG70000009347

Y112
WSW
1/2 - 1 Mile

OIL_GAS CAOG70000009033

Apinumber: 03707006	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 33		
Operatorna: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 3	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.761727		
Long83: -118.113635		
Site id: CAOG70000009033		

AA113
South
1/2 - 1 Mile

OIL_GAS CAOG70000007711

Apinumber: 03708567	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bryant		
Wellnumber: 2		
Operatorna: Signal Hill Petroleum, Inc.		
Fieldname: Seal Beach	Areaname: South Block	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.75583		
Long83: -118.103353		
Site id: CAOG70000007711		

W114
South
1/2 - 1 Mile

OIL_GAS CAOG70000007691

Apinumber: 03718809	District: 1	
Geodistrict: 0	Statuscode: 042	
Gissourcec: Not Reported	Wellsymbol: AI	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bryant		
Wellnumber: 24		
Operatorna: Signal Hill Petroleum, Inc.		
Fieldname: Seal Beach	Areaname: North Block	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.755635
 Long83: -118.100013
 Site id: CAOG70000007691

**U115
 WSW
 1/2 - 1 Mile**

OIL_GAS CAOG70000009097

Apinumber: 03706980	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 7		
Operatorna: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 3	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.762039		
Long83: -118.113924		
Site id: CAOG70000009097		

**AB116
 SW
 1/2 - 1 Mile**

OIL_GAS CAOG70000008152

Apinumber: 03706978	District: 1	
Geodistrict: 0	Statuscode: 090	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 5		
Operatorna: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 11	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.758787		
Long83: -118.110819		
Site id: CAOG70000008152		

**AD117
 WSW
 1/2 - 1 Mile**

OIL_GAS CAOG70000009325

Apinumber: 03708517	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: San Gabriel		
Wellnumber: 41		
Operatorna: The Termo Co.		
Fieldname: Seal Beach	Areaname: South Block	
Section: 3	Township: 5S	
Range: 12W	Basemeri: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.763062
 Long83: -118.11459
 Site id: CAOG70000009325

AD118
WSW
1/2 - 1 Mile

OIL_GAS CAOG70000009296

Apinumber:	03708541	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	52		
Operatorna:	The Termo Co.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.762908		
Long83:	-118.11451		
Site id:	CAOG70000009296		

W119
South
1/2 - 1 Mile

OIL_GAS CAOG70000007685

Apinumber:	03718808	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	23		
Operatorna:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.7556		
Long83:	-118.098924		
Site id:	CAOG70000007685		

AE120
West
1/2 - 1 Mile

OIL_GAS CAOG70000010628

Apinumber:	03708489	District:	1
Geodistrict:	0	Statuscode:	004
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby		
Wellnumber:	2		
Operatorna:	Chevron U.S.A. Inc.		
Fieldname:	Seal Beach	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.770227
 Long83: -118.115849
 Site id: CAOG70000010628

AF121
SSW
 1/2 - 1 Mile

OIL_GAS CAOG70000007716

Apinumber: 03707010	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 37		
Operatona: BreitBurn Energy Co. LP		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.755862		
Long83: -118.104327		
Site id: CAOG70000007716		

AD122
WSW
 1/2 - 1 Mile

OIL_GAS CAOG70000009304

Apinumber: 03708490	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: San Gabriel		
Wellnumber: 1		
Operatona: The Termo Co.		
Fieldname: Seal Beach	Areaname: South Block	
Section: 3	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.762981		
Long83: -118.114709		
Site id: CAOG70000009304		

AE123
WNW
 1/2 - 1 Mile

OIL_GAS CAOG70000010831

Apinumber: 03706976	District: 1	
Geodistrict: 0	Statuscode: 007	
Gissourcec: Not Reported	Wellsymbol: DH	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 3-3		
Operatona: Conoco Inc.		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 3	Township: 5S	
Range: 12W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.770984
 Long83: -118.115784
 Site id: CAOG70000010831

AG124

West

1/2 - 1 Mile

OIL_GAS

CAOG70000010241

Apinumber:	03708547	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel-Alamitos		
Wellnumber:	3		
Operatorma:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.767887		
Long83:	-118.116126		
Site id:	CAOG70000010241		

AA125

South

1/2 - 1 Mile

OIL_GAS

CAOG70000007683

Apinumber:	03718803	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	14		
Operatorma:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.755595		
Long83:	-118.103333		
Site id:	CAOG70000007683		

AE126

West

1/2 - 1 Mile

OIL_GAS

CAOG70000010527

Apinumber:	03706955	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby		
Wellnumber:	1		
Operatorma:	Atlantic Oil Co.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.769769
 Long83: -118.116055
 Site id: CAOG70000010527

AA127
South
1/2 - 1 Mile

OIL_GAS CAOG70000007688

Apinumber:	03718814	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	29		
Operatorna:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.755621		
Long83:	-118.103639		
Site id:	CAOG70000007688		

AH128
South
1/2 - 1 Mile

OIL_GAS CAOG70000007656

Apinumber:	03706396	District:	1
Geodistrict:	0	Statuscode:	015
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	35		
Operatorna:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.755374		
Long83:	-118.100319		
Site id:	CAOG70000007656		

AI129
SW
1/2 - 1 Mile

OIL_GAS CAOG70000007998

Apinumber:	03707008	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	35		
Operatorna:	BreitBurn Energy Co. LP		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	11	Township:	5S
Range:	12W	Basemeridi:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.757878
 Long83: -118.109968
 Site id: CAOG7000007998

**AF130
 SSW
 1/2 - 1 Mile**

OIL_GAS CAOG7000007714

Apinumber: 03706990	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 17		
Operatorna: LCW Oil Operations, LLC		
Fieldname: Seal Beach	Areaname: South Block	
Section: 11	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.755849		
Long83: -118.105307		
Site id: CAOG7000007714		

**W131
 South
 1/2 - 1 Mile**

OIL_GAS CAOG7000007646

Apinumber: 03707990	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bryant		
Wellnumber: 1		
Operatorna: CalResources LLC		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 11	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.755318		
Long83: -118.099259		
Site id: CAOG7000007646		

**AI132
 SW
 1/2 - 1 Mile**

OIL_GAS CAOG7000007946

Apinumber: 03706988	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bixby A		
Wellnumber: 15		
Operatorna: BreitBurn Energy Co. LP		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 11	Township: 5S	
Range: 12W	Basemeri: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.75756
 Long83: -118.109679
 Site id: CAOG7000007946

AG133

West

1/2 - 1 Mile

OIL_GAS

CAOG70000010220

Apinumber:	03708546	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel-Alamitos		
Wellnumber:	2		
Operatorma:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.767696		
Long83:	-118.116398		
Site id:	CAOG70000010220		

AJ134

SSE

1/2 - 1 Mile

OIL_GAS

CAOG70000007662

Apinumber:	05907017	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AI
Confidenti:	Not Reported	Countyname:	Orange
Leasename:	Bryant		
Wellnumber:	1		
Operatorma:	Hellman Properties LLC		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.755422		
Long83:	-118.097545		
Site id:	CAOG70000007662		

AF135

SSW

1/2 - 1 Mile

OIL_GAS

CAOG70000007666

Apinumber:	03706981	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	8		
Operatorma:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.755456
 Long83: -118.104366
 Site id: CAOG70000007666

AK136
SSW
 1/2 - 1 Mile

OIL_GAS CAOG70000007734

Apinumber:	03707004	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	31		
Operatorna:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.756115		
Long83:	-118.106799		
Site id:	CAOG70000007734		

AK137
SSW
 1/2 - 1 Mile

OIL_GAS CAOG70000007719

Apinumber:	03707012	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	39		
Operatorna:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.755877		
Long83:	-118.106349		
Site id:	CAOG70000007719		

AH138
South
 1/2 - 1 Mile

OIL_GAS CAOG70000007607

Apinumber:	03718806	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	21		
Operatorna:	Chevron U.S.A. Inc.		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.754995
 Long83: -118.099264
 Site id: CAOG70000007607

AF139
SSW
1/2 - 1 Mile

OIL_GAS CAOG70000007672

Apinumber:	03707138	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	66		
Operatorna:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.755498		
Long83:	-118.10532		
Site id:	CAOG70000007672		

AK140
SSW
1/2 - 1 Mile

OIL_GAS CAOG70000007760

Apinumber:	03707135	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	63		
Operatorna:	BreitBurn Energy Co. LP		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.756357		
Long83:	-118.108026		
Site id:	CAOG70000007760		

AA141
South
1/2 - 1 Mile

OIL_GAS CAOG70000007610

Apinumber:	03708566	District:	1
Geodistrict:	0	Statuscode:	009
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	1		
Operatorna:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.755041
 Long83: -118.10339
 Site id: CAOG70000007610

**AL142
SSE
1/2 - 1 Mile**

OIL_GAS CAOG70000007664

Apinumber:	05904274	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Orange
Leasename:	Not Reported		
Wellnumber:	20		
Operatona:	Hellman Properties LLC		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.755447		
Long83:	-118.095787		
Site id:	CAOG70000007664		

**AD143
WSW
1/2 - 1 Mile**

OIL_GAS CAOG70000009151

Apinumber:	03708536	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	21		
Operatona:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.762343		
Long83:	-118.115288		
Site id:	CAOG70000009151		

**AM144
South
1/2 - 1 Mile**

OIL_GAS CAOG70000007585

Apinumber:	03708573	District:	1
Geodistrict:	0	Statuscode:	015
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	10		
Operatona:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.75475
 Long83: -118.101539
 Site id: CAOG70000007585

**145
SSW
1/2 - 1 Mile**

OIL_GAS CAOG70000007768

Apinumber:	03706996	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	23		
Operatorma:	BreitBurn Energy Co. LP		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	11	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.756457		
Long83:	-118.108628		
Site id:	CAOG70000007768		

**AN146
WSW
1/2 - 1 Mile**

OIL_GAS CAOG70000008901

Apinumber:	03708513	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	37		
Operatorma:	The Termo Co.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.761007		
Long83:	-118.11448		
Site id:	CAOG70000008901		

**AH147
South
1/2 - 1 Mile**

OIL_GAS CAOG70000007576

Apinumber:	03708574	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	11		
Operatorma:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeridi:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.754678
 Long83: -118.100231
 Site id: CAOG7000007576

AN148
WSW
 1/2 - 1 Mile

OIL_GAS CAOG7000008886

Apinumber:	03708520	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	45		
Operatorma:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.760885		
Long83:	-118.114397		
Site id:	CAOG7000008886		

AC149
WSW
 1/2 - 1 Mile

OIL_GAS CAOG7000009460

Apinumber:	03708516	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	40		
Operatorma:	The Termo Co.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	3	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.763662		
Long83:	-118.116058		
Site id:	CAOG7000009460		

AO150
SW
 1/2 - 1 Mile

OIL_GAS CAOG7000008278

Apinumber:	03708521	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	46		
Operatorma:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	10	Township:	5S
Range:	12W	Basemeridi:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.759051
 Long83: -118.112719
 Site id: CAOG70000008278

**AO151
SW**

1/2 - 1 Mile

OIL_GAS

CAOG70000008551

Apinumber:	03708494	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	5		
Operatorna:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.759836		
Long83:	-118.113564		
Site id:	CAOG70000008551		

**AP152
WSW**

1/2 - 1 Mile

OIL_GAS

CAOG70000009108

Apinumber:	03708496	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	7		
Operatorna:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.762087		
Long83:	-118.115312		
Site id:	CAOG70000009108		

**AQ153
SSW**

1/2 - 1 Mile

OIL_GAS

CAOG70000007633

Apinumber:	03707143	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	72		
Operatorna:	Conoco Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	11	Township:	5S
Range:	12W	Basemeridi:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.755234
Long83: -118.105646
Site id: CAOG7000007633

**AO154
SW**

1/2 - 1 Mile

OIL_GAS

CAOG7000008424

Apinumber: 03708522 District: 1
Geodistrict: 0 Statuscode: 014
Gissourcec: Not Reported Wellsymbol: AB
Confidenti: Not Reported Countyname: Los Angeles
Leasename: San Gabriel
Wellnumber: 47
Operatona: Chevron U.S.A. Inc.
Fieldname: SEAL BEACH Areaname: Not Reported
Section: 10 Township: 5S
Range: 12W Basemeridi: SB
Lat83: 33.759472
Long83: -118.113254
Site id: CAOG7000008424

**AR155
WSW**

1/2 - 1 Mile

OIL_GAS

CAOG7000009477

Apinumber: 03720898 District: 1
Geodistrict: 0 Statuscode: 014
Gissourcec: Not Reported Wellsymbol: AB
Confidenti: Not Reported Countyname: Los Angeles
Leasename: San Gabriel
Wellnumber: 56
Operatona: The Termo Co.
Fieldname: Seal Beach Areaname: South Block
Section: 3 Township: 5S
Range: 12W Basemeridi: SB
Lat83: 33.763721
Long83: -118.116176
Site id: CAOG7000009477

**AO156
SW**

1/2 - 1 Mile

OIL_GAS

CAOG7000008235

Apinumber: 03708514 District: 1
Geodistrict: 0 Statuscode: 014
Gissourcec: Not Reported Wellsymbol: AB
Confidenti: Not Reported Countyname: Los Angeles
Leasename: San Gabriel
Wellnumber: 38
Operatona: Chevron U.S.A. Inc.
Fieldname: SEAL BEACH Areaname: Not Reported
Section: 10 Township: 5S
Range: 12W Basemeridi: SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.758944
 Long83: -118.112709
 Site id: CAOG7000008235

AN157
WSW
1/2 - 1 Mile

OIL_GAS CAOG7000008897

Apinumber:	03708495	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	6		
Operatorma:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.760965		
Long83:	-118.114581		
Site id:	CAOG7000008897		

AR158
WSW
1/2 - 1 Mile

OIL_GAS CAOG7000009452

Apinumber:	03708524	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	49		
Operatorma:	The Termo Co.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	3	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.763635		
Long83:	-118.11615		
Site id:	CAOG7000009452		

AR159
WSW
1/2 - 1 Mile

OIL_GAS CAOG7000009415

Apinumber:	03708531	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	16		
Operatorma:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeridi:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.763441
 Long83: -118.11607
 Site id: CAOG70000009415

**AN160
 WSW
 1/2 - 1 Mile**

OIL_GAS CAOG70000008858

Apinumber:	03708518	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	42		
Operatorma:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.760753		
Long83:	-118.114448		
Site id:	CAOG70000008858		

**AO161
 SW
 1/2 - 1 Mile**

OIL_GAS CAOG70000008154

Apinumber:	03708491	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	2		
Operatorma:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	10	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.758799		
Long83:	-118.112603		
Site id:	CAOG70000008154		

**AQ162
 SSW
 1/2 - 1 Mile**

OIL_GAS CAOG70000007611

Apinumber:	03706991	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	18		
Operatorma:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeridi:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.755053
 Long83: -118.105312
 Site id: CAOG70000007611

AM163
South
1/2 - 1 Mile

OIL_GAS CAOG70000007557

Apinumber:	03718802	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	13		
Operatorna:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.754494		
Long83:	-118.101458		
Site id:	CAOG70000007557		

164
SW
1/2 - 1 Mile

OIL_GAS CAOG70000008565

Apinumber:	03708501	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	25		
Operatorna:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.759868		
Long83:	-118.11387		
Site id:	CAOG70000008565		

AN165
SW
1/2 - 1 Mile

OIL_GAS CAOG70000008728

Apinumber:	03708534	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	19		
Operatorna:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeridi:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.760113
 Long83: -118.114092
 Site id: CAOG70000008728

AP166
WSW
1/2 - 1 Mile

OIL_GAS CAOG70000009130

Apinumber: 03708503	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: San Gabriel		
Wellnumber: 27		
Operatona: Chevron U.S.A. Inc.		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 3	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.762241		
Long83: -118.115701		
Site id: CAOG70000009130		

AJ167
SSE
1/2 - 1 Mile

OIL_GAS CAOG70000007594

Apinumber: 05904658	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Orange	
Leasename: Not Reported		
Wellnumber: 28		
Operatona: Hellman Properties LLC		
Fieldname: Seal Beach	Areaname: North Block	
Section: 11	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.754841		
Long83: -118.096441		
Site id: CAOG70000007594		

AS168
SW
1/2 - 1 Mile

OIL_GAS CAOG70000007971

Apinumber: 03708493	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: San Gabriel		
Wellnumber: 4		
Operatona: Chevron U.S.A. Inc.		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 11	Township: 5S	
Range: 12W	Basemeri: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.757698
 Long83: -118.111646
 Site id: CAOG7000007971

AN169
WSW
 1/2 - 1 Mile

OIL_GAS CAOG7000008934

Apinumber: 03708502	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: San Gabriel		
Wellnumber: 26		
Operatona: Chevron U.S.A. Inc.		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 3	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.761166		
Long83: -118.115122		
Site id: CAOG7000008934		

AO170
SW
 1/2 - 1 Mile

OIL_GAS CAOG7000008306

Apinumber: 03708497	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: San Gabriel		
Wellnumber: 8		
Operatona: Chevron U.S.A. Inc.		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 10	Township: 5S	
Range: 12W	Basemeri: SB	
Lat83: 33.759128		
Long83: -118.113385		
Site id: CAOG7000008306		

AJ171
South
 1/2 - 1 Mile

OIL_GAS CAOG7000007551

Apinumber: 05904263	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Orange	
Leasename: Not Reported		
Wellnumber: 11		
Operatona: Hellman Properties LLC		
Fieldname: Seal Beach	Areaname: North Block	
Section: 11	Township: 5S	
Range: 12W	Basemeri: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.75444
Long83: -118.097991
Site id: CAOG70000007551

AT172
South
1/2 - 1 Mile

OIL_GAS CAOG70000007545

Apinumber:	05904255	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Orange
Leasename:	Not Reported		
Wellnumber:	4		
Operatona:	Hellman Properties LLC		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.754348		
Long83:	-118.098728		
Site id:	CAOG70000007545		

AN173
SW
1/2 - 1 Mile

OIL_GAS CAOG70000008732

Apinumber:	03708492	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	3		
Operatona:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.76014		
Long83:	-118.114455		
Site id:	CAOG70000008732		

AO174
SW
1/2 - 1 Mile

OIL_GAS CAOG70000008031

Apinumber:	03708526	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	12		
Operatona:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.758094
 Long83: -118.11234
 Site id: CAOG70000008031

AJ175
SSE
 1/2 - 1 Mile

OIL_GAS CAOG70000007562

Apinumber:	05904265	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Orange
Leasename:	Not Reported		
Wellnumber:	13		
Operatorna:	Hellman Properties LLC		
Fieldname:	Seal Beach	Areaname:	North Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.754533		
Long83:	-118.097037		
Site id:	CAOG70000007562		

AT176
South
 1/2 - 1 Mile

OIL_GAS CAOG70000007541

Apinumber:	05904262	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Orange
Leasename:	Not Reported		
Wellnumber:	10A		
Operatorna:	Hellman Properties LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.754195		
Long83:	-118.099		
Site id:	CAOG70000007541		

AS177
SW
 1/2 - 1 Mile

OIL_GAS CAOG70000007871

Apinumber:	03708535	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	20		
Operatorna:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.757089
 Long83: -118.111105
 Site id: CAOG70000007871

AM178
South
1/2 - 1 Mile

OIL_GAS CAOG70000007540

Apinumber: 03708570	District: 1	
Geodistrict: 0	Statuscode: 015	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bryant		
Wellnumber: 5		
Operatona: Signal Hill Petroleum, Inc.		
Fieldname: Seal Beach	Areaname: South Block	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.754088		
Long83: -118.101075		
Site id: CAOG70000007540		

179
West
1/2 - 1 Mile

OIL_GAS CAOG70000010699

Apinumber: 03708476	District: 1	
Geodistrict: 0	Statuscode: 014	
Gissourcec: Not Reported	Wellsymbol: AB	
Confidenti: Not Reported	Countyname: Los Angeles	
Leasename: Bryant 2		
Wellnumber: 1		
Operatona: CalResources LLC		
Fieldname: SEAL BEACH	Areaname: Not Reported	
Section: 3	Township: 5S	
Range: 12W	Basemeridi: SB	
Lat83: 33.77046		
Long83: -118.117551		
Site id: CAOG70000010699		

AL180
SSE
1/2 - 1 Mile

OIL_GAS CAOG70000007558

Apinumber: 05907005	District: 1	
Geodistrict: 0	Statuscode: 008	
Gissourcec: Not Reported	Wellsymbol: AP	
Confidenti: Not Reported	Countyname: Orange	
Leasename: Not Reported		
Wellnumber: 50		
Operatona: Hellman Properties LLC		
Fieldname: Seal Beach	Areaname: North Block	
Section: 11	Township: 5S	
Range: 12W	Basemeridi: SB	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.754506
 Long83: -118.096423
 Site id: CAOG7000007558

**AS181
SW**

1/2 - 1 Mile

OIL_GAS

CAOG7000007817

Apinumber:	03708544	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	55		
Operatorna:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	11	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.756862		
Long83:	-118.110887		
Site id:	CAOG7000007817		

**AN182
WSW**

1/2 - 1 Mile

OIL_GAS

CAOG7000008932

Apinumber:	03708498	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	9		
Operatorna:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeridi:	SB
Lat83:	33.761155		
Long83:	-118.115529		
Site id:	CAOG7000008932		

**183
SW**

1/2 - 1 Mile

OIL_GAS

CAOG7000007799

Apinumber:	03708500	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	11		
Operatorna:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	11	Township:	5S
Range:	12W	Basemeridi:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.756635
Long83: -118.11063
Site id: CAOG7000007799

AP184
WSW
1/2 - 1 Mile

OIL_GAS CAOG7000009102

Apinumber:	03708523	District:	1
Geodistrict:	0	Statuscode:	014
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	San Gabriel		
Wellnumber:	48		
Operatorma:	Chevron U.S.A. Inc.		
Fieldname:	SEAL BEACH	Areaname:	Not Reported
Section:	3	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.762066		
Long83:	-118.116127		
Site id:	CAOG7000009102		

185
SSW
1/2 - 1 Mile

OIL_GAS CAOG7000007542

Apinumber:	03706984	District:	1
Geodistrict:	0	Statuscode:	008
Gissourcec:	Not Reported	Wellsymbol:	AP
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bixby A		
Wellnumber:	11		
Operatorma:	LCW Oil Operations, LLC		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB
Lat83:	33.754279		
Long83:	-118.104374		
Site id:	CAOG7000007542		

AM186
South
1/2 - 1 Mile

OIL_GAS CAOG7000007537

Apinumber:	03718804	District:	1
Geodistrict:	0	Statuscode:	015
Gissourcec:	Not Reported	Wellsymbol:	AB
Confidenti:	Not Reported	Countyname:	Los Angeles
Leasename:	Bryant		
Wellnumber:	16		
Operatorma:	Signal Hill Petroleum, Inc.		
Fieldname:	Seal Beach	Areaname:	South Block
Section:	11	Township:	5S
Range:	12W	Basemeri:	SB

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Lat83: 33.754001
Long83: -118.102376
Site id: CAOG70000007537

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90803	48	0

Federal EPA Radon Zone for LOS ANGELES County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

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 Alamos Plant
690 North Studebaker Road
Long Beach, CA 90803**

**Inquiry Number: 3481159.2S
December 31, 2012**

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 Alamos Plant
690 North Studebaker Road
Long Beach, CA 90803

RESEARCH SOURCE

Source 1: Los Angeles County, California Assessor

Source 2: Los Angeles County, California Recorder

PROPERTY INFORMATION

Deed 1:

Type of Deed: Grant Deed

Title is vested in: AES Alamos, LLC, a Delaware limited liability company

Title received from: Southern California Edison Company, a California corporation

Deed Dated: 05/15/1998

Deed Recorded: 05/18/1998

Instrument: 98-829460

Legal Description: All that certain piece or parcel of land containing 19.72 acres, more or less, being a portion of Parcel 1 of SBE 1100-19-3, situate and lying in the County of Los Angeles, State of California.

Legal Current Owner: AES Alamos, LLC, a Delaware limited liability company

Property Identifiers: 7237-019-808

EDR Environmental LienSearch™ Report

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

If found:

1st Party: Department of Toxic Substances Control

2nd Party: Southern California Edison Company

Dated: 01/31/2012

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments: The DTSC determined that the draft closure demonstration report is technically complete. The subject property owned by Southern California Edison Company, successor to AES Alamos, agreed to pay the Department \$950,000 in civil penalties and reimburse the Department's administrative costs in the amount of \$300,000 for violating provisions of the Hazardous Waste Control Law with respect to its hazardous waste operations at the subject property.

Miscellaneous:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found Not Found

If found:

1st Party:

2nd Party:

Dated: 01/31/2012

Recorded:

Book:

Page:

Docket:

Volume:

Instrument:

Comments:

Miscellaneous:

EDR Environmental LienSearch™ Report

DEED EXHIBIT

98 829460

RECORDING REQUESTED BY

Stewart Title

AND WHEN RECORDED MAIL TO AND MAIL TAX STATEMENTS TO:

AES Alamos, L.L.C.
44 Montgomery Street, Suite 3450
San Francisco, CA 94104
Attn: Glen Davis

RECORDED/FILED IN OFFICIAL RECORDS
RECORDER'S OFFICE
LOS ANGELES COUNTY
CALIFORNIA
MAY 13 1998 AT 8 A.M.

FEE \$ 11400 / 0130

SURVEY, MONUMENT FEE \$10. CODE 97

(Above Space For Recorder's Use Only)

A.P.N. CODE 94

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 ("Grantor" or "SCE"), hereby grants to AES ALAMITOS, L.L.C., a Delaware limited liability company ("Grantee" or "Plant Owner") that certain real property in the City of Long 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 non-exclusive appurtenant easements reserved by Grantor in this Grant Deed as set forth in Part A of this Grant Deed below. The foregoing grant expressly excludes, and Grantor retains full legal title to and ownership of, the "Severed Property" described in Part B of this Grant Deed.

PART A. RESERVATION OF EASEMENTS.

1. **Defined Terms.** The following terms used in this Grant Deed shall have the meanings specified in this Section 1.

ALAMITOS

NOTIFICATION SENT \$10

"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 Plant Property.

"Easement and Covenant Agreement" shall mean that certain Easement and Covenant Agreement dated of even date hereof between SCE and Plant Owner respecting the Property, as amended from time to time.

"Emergency" shall mean any event or circumstance which (i) requires prompt action and (ii) in the reasonable opinion of SCE could be expected to have an adverse effect on the operation of, or cause significant damage to, the SCE Property, or endanger the health or safety of any person.

"Facilities Services Agreement" shall mean that certain Facilities Services Agreement dated of even date hereof between SCE and Plant Owner respecting the Property, as amended from time to time.

"Governmental Requirements" shall mean all local, state and federal governmental laws, statutes, rules, and regulations, building codes, ordinances (zoning or otherwise) and permits which are, or will be, adopted, granted, amended, modified or supplemented and which govern, affect or relate to the use, development, zoning, improvement, operation, or ownership of the Property, or any portion thereof.

"Grid" shall mean the interconnected power system commonly known in the electric generation, transmission and distribution industry as the "grid."

"Improvements" shall mean all structures and improvements, facilities, systems, fixtures and equipment of any kind now or hereafter located on the Property, whether above or below the land surface, whether real or personal property, and whether permanent or temporary, including without limitation, all buildings, sheds, energy plants, tanks, pipelines (including meters, connections, valves and other associated equipment), cables, wires, conduits, cable trays, trenches, mains, lines, ducts, fences, towers, antennae, tunnels, driveways, streets, alleys, paved parking areas, pathways, screening walls, awnings, retaining walls, plantings, shrubs and other landscaping, irrigation and drainage pipes and facilities, lighting fixtures and signs.

"Land" shall collectively mean the Plant Land and the SCE Land.

"Party" or "Parties" shall individually or collectively, as the case may be, mean SCE, its successors and assigns, or/and Plant Owner, its successors and assigns.

"Permittees" shall mean, with respect to a particular Party, all Persons entitled to occupy or use all or any portion of the Property of such Party by virtue of a lease, easement, license or other legal relationship with such Party; provided, however, that 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 Land" shall mean the land described in Exhibit A attached to this Grant Deed.

"Plant Improvements" shall mean all Improvements owned by Plant Owner, regardless of whether such Improvements are located on the Plant Land or on the SCE Land.

"Plant Property" shall collectively mean (i) the Plant Land, and (ii) the Plant Improvements.

"Property" shall collectively mean the Plant Property and the SCE Property.

"SCE Operations Equipment" shall mean that portion of the SCE Improvements which constitutes equipment, facilities, cabling and other personal property located in or on the Plant Property, and used by SCE for any of the purposes of (i) the operation of the Switchyard, (ii) the operation of the Grid, (iii) the control of continuity between the Grid and the electric energy generation plant located on the Plant Land, (iv) the transmission of voltage, control and other data and information used in SCE's electrical transmission and distribution systems, (v) the operation of the fuel storage, transportation and distribution facilities located on the SCE Land, or (vi) the provision of communication and computing services for the Switchyard and other facilities owned or operated by SCE or its designees. The SCE Operations Equipment shall also include all future upgrades, modifications, alterations or replacements to or of such equipment, facilities, cabling and other personal property.

"SCE Improvements" shall mean all Improvements owned by SCE, regardless of whether such Improvements are located on the SCE Land or on the Plant Land.

"SCE Land" shall mean the land described on Exhibit B attached to this Grant Deed and incorporated herein by reference.

"SCE Property" shall collectively mean (i) the SCE Land, and (ii) the SCE Improvements.

"Switchyard" shall collectively mean (i) that portion of the SCE Land (the "Switchyard Land") on which is located switchyard equipment and facilities used by SCE in

connection with the transmission of electric power, the operation of the Grid and/or the control of continuity between the Plant and the Grid, and (ii) all Improvements located on the Switchyard Land.

2. **Reservation of Easements by SCE.** SCE hereby reserves, for itself and its designees, the following non-exclusive appurtenant easements in perpetuity in, on, over, under, across and through the Plant Property for the benefit of the SCE Property:

2.1. **Vehicular Access.** SCE reserves an easement in, on, over, under, across and through the Plant Property for the benefit of the SCE Property, for the purpose of vehicular access (i) to and from the SCE Property from and to public streets, rights-of-way, and from and to any railroad spur on or adjoining the Plant Property and from and to property (if any) owned by SCE which is adjacent to the Plant Property and/or the SCE Property, (ii) between commonly owned portions of the SCE Property, and (iii) to facilitate the use and enjoyment of the other easements reserved herein over the Plant Property. The easement described in this Section 2.1 shall expressly include vehicular access to and from the parking areas on the Plant Property described in Section 2.15 below. Except as otherwise mutually agreed upon by the Parties, the foregoing access rights shall be exercised through and over such roads, streets, alleys, bridges, tunnels and other vehicular access ways as are customarily used as of the date of this Grant Deed for such purposes, subject to future relocation in accordance with the provisions of Section 4 below.

2.2. **Pedestrian Access.** SCE reserves an easement in, on, over, under, across and through the Plant Property for the benefit of the SCE Property, for the purpose of pedestrian access (i) to and from the SCE Property from and to public streets and rights-of-way, and from and to any railroad spur on or adjoining the Plant Property and from and to property (if any) owned by SCE which is adjacent to the Plant Property and/or the SCE Property, (ii) between commonly owned portions of the SCE Property, and (iii) to facilitate the use and enjoyment of the other easements granted herein over the Plant Property. Except as otherwise mutually agreed upon by the Parties, the foregoing access rights shall be exercised through and over such pathways, sidewalks, stairways, elevators, hallways and other areas as are customarily used as of the date of this Grant Deed for such purposes, subject to future relocation in accordance with the provisions of Section 4 below.

2.3. **Fire Water System Easement.** SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.3, for the benefit of the SCE Property, for the installation, use, operation, inspection, maintenance, repair, upgrade, restoration, replacement and alteration of pipes, pipelines (including meters, connections, valves and associated equipment), tanks, mains, lines, pumps and related equipment and facilities used in connection with the storage, transportation and distribution of water for use in combating fires on the SCE Property. The easement described in this Section 2.3 shall include the right (but not the obligation) of SCE to perform maintenance, repair and restoration work on equipment and facilities, if any, of the type described in the immediately preceding sentence

which are owned by Plant Owner or its Permittees and are essential for the storage, transportation or distribution of water for the combat of fires on the SCE Property, to the extent that following written notice from SCE, Plant Owner fails to promptly perform (or cause to be performed) any required maintenance, repair or restoration work and such failure creates a dangerous situation in relation to SCE's ability to combat fires on the SCE Property. SCE shall have the right to perform such work at the reasonable cost and expense of Plant Owner, provided that prior to the commencement of any such work SCE provides Plant Owner with an additional written notice of its intent to undertake the work and a description of the work which it intends to undertake. Notwithstanding the foregoing, in the event of an Emergency, SCE shall be entitled to commence repair work immediately and without the giving of prior notice. The foregoing remedy shall be in addition to any other remedy which SCE may have in connection with a Plant Owner default under the Easement and Covenant Agreement. The easement described in this Section 2.3 shall encumber and burden those portions of the Plant Property upon which such fire water storage, transportation and distribution equipment, facilities and other Improvements described in this Section 2.3 are presently located, along with those portions of the Plant Land within the Applicable Distance of such equipment, facilities and other Improvements. Except for equipment, facilities and other Improvements that presently exist on the Plant Property for the purposes described in this Section 2.3, and for alterations, upgrades, restorations and replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Grant Deed by the Improvements described in this Section 2.3, no above or below ground equipment, facilities or other Improvements shall be permitted to be installed or constructed on the Plant Property by or on behalf of SCE pursuant to this Section 2.3, without the prior written consent of the Plant Owner, which consent shall not be unreasonably withheld.

2.4. Service Water Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.4, for the benefit of the SCE Property, for the installation, use, operation, inspection, maintenance, repair, upgrade, restoration, replacement and alteration of pipes, pipelines (including meters, connections, valves and associated equipment), tanks, mains, lines, wells, pumps and related equipment and facilities used in connection with the transportation and distribution of water for use in connection with the operation and maintenance of the SCE Property and for landscaping purposes. The easement described in this Section 2.4 shall include the right (but not the obligation) of SCE to perform maintenance, repair and restoration work on equipment and facilities, if any, of the type described in the immediately preceding sentence which are owned by Plant Owner or its Permittees and are essential for the transportation or distribution of water for use in connection with the operation of the SCE Property, to the extent that following written notice from SCE, Plant Owner fails to promptly perform (or cause to be performed) any required maintenance, repair or restoration work and such failure creates a dangerous situation in relation to the operation of the SCE Property. SCE shall have the right to perform such work at the reasonable cost and expense of Plant Owner, provided that prior to the commencement of any such work SCE provides Plant Owner with an additional written notice of its intent to undertake the work and a description of the work which it intends to undertake. The foregoing remedy shall be in addition to any other remedy which SCE may have in connection with a Plant Owner

default under the Easement and Covenant Agreement. Notwithstanding the foregoing, in the event of an Emergency, SCE shall be entitled to commence repair work immediately and without the giving of prior notice. The easement described in this Section 2.4 shall encumber and burden those portions of the Plant Property upon which such equipment, facilities and other Improvements used for the purposes described in this Section 2.4 are presently located, along with those portions of the Plant Land within the Applicable Distance of such equipment, facilities and other Improvements. Except for equipment, facilities and other Improvements that presently exist on the Plant Property, and for alterations, upgrades, restorations and replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Grant Deed by the Improvements described in this Section 2.4, no above or below ground equipment, facilities or other Improvements shall be permitted to be installed or constructed on the Plant Property by or on behalf of SCE pursuant to this Section 2.4, without the prior written consent of the Plant Owner, which consent shall not be unreasonably withheld.

2.5. Fuel System Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.5, for the benefit of the SCE Property, for the installation, use, operation, inspection, maintenance, repair, upgrade, restoration, replacement and alteration of pipes, pipelines (including meters, connections, valves and associated equipment), tanks, mains, lines, pumps, and related equipment and facilities used in connection with the storage, transportation and distribution of fuel, oil, natural gas or other substances in connection with operations conducted on the SCE Property other than such pipes, pipelines, tanks, mains, lines, pumps and related equipment and facilities which are owned by Plant Owner and as to which SCE does not have rights under Section 2.14 hereof. The easement described in this Section 2.5 shall include the right (but not the obligation) of SCE to perform maintenance, repair and restoration work on equipment and facilities, if any, of the type described in the immediately preceding sentence which are owned by Plant Owner or its Permittees and are essential for the storage, transportation, heating or distribution of fuel, oil, natural gas or other substances in connection with operations conducted on the SCE Property, to the extent that following written notice from SCE Plant Owner fails to promptly perform (or cause to be performed) any required maintenance, repair or restoration work and such failure creates a dangerous situation in relation to the operation of the SCE Property. SCE shall have the right to perform such work at the reasonable cost and expense of Plant Owner, provided that prior to the commencement of any such work SCE provides Plant Owner with an additional written notice of its intent to undertake the work and a description of the work which it intends to undertake. Notwithstanding the foregoing, in the event of an Emergency, SCE shall be entitled to commence repair work immediately and without the giving of prior notice. The foregoing remedy shall be in addition to any other remedy which SCE may have in connection with a Plant Owner default under the Easement and Covenant Agreement. The easement described in this Section 2.5 shall encumber and burden those portions of the Plant Property upon which the equipment, facilities and other Improvements used for the purposes described in this Section 2.5 are presently located, along with those portions of the Plant Land within the Applicable Distance of such equipment, facilities and other Improvements. Except for equipment, facilities and other Improvements presently existing on the Plant Property, and for

alterations, upgrades, restorations and replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Grant Deed by the Improvements described in this Section 2.5, no above or below ground equipment, facilities or other Improvements shall be permitted to be installed or constructed on the Plant Property by or on behalf of SCE pursuant to this Section 2.5, without the prior written consent of the Plant Owner, which consent shall not be unreasonably withheld.

2.6. Waste Water Discharge System Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.6, for the benefit of the SCE Property, for the installation, use, operation, inspection, maintenance, repair, upgrade, restoration, replacement and alteration of pipes, pipelines (including meters, connections, valves and associated equipment), tanks (including any septic tanks), mains, lines, pumps, leach fields, and related equipment and facilities, used in connection with the transportation and/or disposal of wastewater and stormwater from the SCE Property. The easement described in this Section 2.6 shall encumber and burden those portions of the Plant Property upon which equipment, facilities and other Improvements used for the purposes described in this Section 2.6 are presently located, along with those portions of the Plant Land within the Applicable Distance of such equipment, facilities and other Improvements. Except for equipment, facilities and other Improvements presently existing on the Plant Property, and for alterations, upgrades, restorations and replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Grant Deed by the SCE Improvements described in this Section 2.6, no above or below ground equipment, facilities or other Improvements shall be permitted to be installed or constructed on the Plant Property by or on behalf of SCE pursuant to this Section 2.6, without the prior written consent of the Plant Owner, which consent shall not be unreasonably withheld. No materially increased average volume of wastewater shall be transported through or over the Plant Property from the SCE Property beyond the average volume of wastewater generally transported through or over the Plant Property from the SCE Property as of the date of this Grant Deed, without the prior written consent of the Plant Owner; provided, however, that the restriction set forth in this sentence shall not be applicable to stormwater or other natural surface run-off.

2.7. Electric Services Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.7, for repair, upgrade, restoration, replacement and alteration of cables, lines, wires, conduits, poles and related equipment and facilities used in connection with (i) the supply of electric power to the SCE Property, (ii) the supply of electric power from the SCE Property to the plant Property or to other portions of the SCE Property and (iii) cathodic protection for equipment owned by SCE on the SCE Land or Plant Land. The easement described in this Section 2.7 shall encumber and burden those portions of the Plant Property upon which equipment, facilities and other Improvements used for the purposes described in this Section 2.7 are presently located, along with those portions of the Plant Land within the Applicable Distance of such equipment, facilities and other Improvements. Except for equipment, facilities and other Improvements presently existing on the Plant Property, and for alterations, upgrades, restorations and

replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Grant Deed by the SCE Improvements described in this Section 2.7, no above or below ground equipment, facilities or other Improvements shall be permitted to be installed or constructed on the Plant Property by or on behalf of SCE pursuant to this Section 2.7, without the prior written consent of the Plant Owner, which consent shall not be unreasonably withheld.

2.8. Electric Transmission Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.8, for the benefit of the SCE Property, for the construction, operation, use, maintenance, inspection, repair, renewal, replacement, reconstruction, enlargement, alteration, improvement, relocation and removal of (i) electric lines from the Plant to the Switchyard, and (ii) electric lines from the Switchyard to locations outside the Property, consisting of one or more lines of metal towers, poles and other structures, wires, cables, including ground wires and communication circuits, both overhead and underground, with necessary and convenient foundations, conduits, pullboxes, guy wires and anchors, insulators and crossarms placed on said structures, and other fixtures, appliances and appurtenances connected therewith, necessary or convenient for the construction, operation, regulation, control, grounding and maintenance of switchyards, electric lines and communication circuits, for the purpose of transmitting, distributing, regulating and controlling electric energy to be used for light, heat, power, communication, and other purposes, together with the right to clear and to keep said easement and right of way and the real property affected thereby free from explosives, buildings, structures, equipment, trees, vines, brush, combustible materials and any and all obstructions of any kind including, but not in limitation of the generality of the foregoing, swimming pools, fences and the parking of automobiles, trucks or other mechanical equipment, for protection from fire and other hazards and from interference with ingress and egress and with the unobstructed use of said easement and right of way and every part thereof. The easement shall encumber and burden those portions of the Plant Property upon which equipment, facilities and other Improvements used for the purposes described in this Section 2.8 are presently located, along with those portions of the Plant Land within the Applicable Distance of such equipment, facilities and other Improvements. Except for equipment, facilities and other Improvements presently existing on the Plant Property, and for alterations, upgrades, restorations and replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Grant Deed by the SCE Improvements described in this Section 2.8, no above or below ground equipment, facilities or other Improvements shall be permitted to be installed constructed on the Plant Property by or on behalf of SCE pursuant to this Section 2.8, without the prior written consent of the Plant Owner, which consent shall not be unreasonably withheld.

2.9. Telecommunication System Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.9, for the benefit of the SCE Property, for the installation, use, operation, inspection, maintenance, repair, upgrade, restoration, replacement and alteration of cables, lines, wires, conduits, control trenches, cable trays, pull boxes, terminal cabinets, poles, antennae, dishes, camera systems, designated spaces in communications rooms, and related facilities and

equipment (including, without limitation, fiber optic multiplexors, microwave terminals, DC power plants, telephone switches (PBX's), data concentrators, routers, ground potential rise (GPR) protection equipment and telemetry devices), used in connection with the supply of telephone, data, tele-protection, wireless, fiber optic, local area network (LAN) data access, wide area network (WAN) connectivity, Supervisory Control and Data Acquisition System (SCADA), generation control, microwave, closed circuit television and other communication, telecommunication and computing services to and from the SCE Property or otherwise used in connection with SCE's business (including the leasing or other sharing of any such property between or among SCE and commercial telecommunications providers or others, and the access to the Plant Property by any such lessee or other party sharing such property). The easement described in this Section 2.9 shall encumber and burden those portions of the Plant Property upon which equipment, facilities and other Improvements used for the purposes described in this Section 2.9 are presently located, along with those portions of the Plant Land within the Applicable Distance of such equipment, facilities and other Improvements. Except for equipment, facilities and other Improvements presently existing on the Plant Property, and for alterations, upgrades, restorations and replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Grant Deed by the SCE Improvements described in this Section 2.9, no above or below ground equipment, facilities or other Improvements shall be permitted to be installed or constructed on the Plant Property by or on behalf of SCE pursuant to this Section 2.9, without the prior written consent of the Plant Owner, which consent shall not be unreasonably withheld.

2.10. Monitoring Well Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.10, for the benefit of the SCE Property, for the installation, use, operation, inspection, maintenance, repair, upgrade, restoration, replacement and alteration of pipes, wells, pipelines and pumps (including connections, valves and associated equipment), used in connection with groundwater monitoring through the use of monitoring wells. The easement described in this Section 2.10 shall encumber and burden those portions of the Plant Property upon which equipment, facilities and other Improvements used for the purposes described in this Section 2.10 are presently located, along with those portions of the Plant Land within the Applicable Distance of such equipment, facilities and other Improvements. Except for equipment, facilities and other Improvements presently existing on the Plant Property, and for alterations, upgrades, restorations and replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Grant Deed by the Improvements described in this Section 2.10, no above or below ground equipment, facilities or other Improvements shall be permitted to be installed or constructed on the Plant Property by or on behalf of the SCE pursuant to this Section 2.10, without the prior written consent of Plant Owner, which consent shall not be unreasonably withheld.

2.11. Drainage. SCE reserves an easement burdening the Plant Property for the benefit of the SCE Property for surface water drainage purposes. Subject to the provisions of Section 4 below, such drainage shall occur on, over, and through such pipes, drains,

gulleys, culverts, ditches, ponds and other facilities as exist on the Property as of the date of this Grant Deed. Neither Party shall take any action (including, without limitation, the construction, demolition, or alteration of any Improvements or the alteration of the surface of the Land) which shall alter or modify the drainage existing as of the date of this Grant Deed from, to or over the Property so as to have an adverse effect on the Property of the other Party or the enjoyment by such other Party of the easements reserved in this Grant Deed, or granted by SCE to Plant Owner in the Covenant and Easement Agreement.

2.12. Support. SCE reserves an easement burdening the Plant Property for the benefit of the SCE Property, for vertical, lateral and structural load-bearing support for SCE Improvements existing on the Property as of the date of this Grant Deed and any upgrade, reconstruction, alteration, replacement or restoration of such SCE Improvements that does not place a materially greater burden on the Plant Property than that which exists as of the date of this Grant Deed. The foregoing easement shall include an easement for support for and from the columns, beams, joists, girders, walls, footings, foundations and other elements of the associated improvements, and accommodation of the natural settlement of structures; provided, however, that no such easement shall permit any substantial interference with the use and enjoyment of the servient tenement.

2.13. Encroachments. SCE reserves an easement burdening the Plant Property for the benefit of the SCE Property, for any encroachments which exist as of the date of this Grant Deed, or future minor encroachments resulting from vertical or lateral displacement, movement or settling of the SCE Improvements; provided, however, no encroachment which was not in existence as of the date of this Grant Deed shall be permitted which unreasonably interferes with the use and enjoyment of the servient tenement.

2.14. Easement to Perform Obligations and Enjoy Rights. SCE reserves an easement burdening the Plant Property for the benefit of the SCE Property, for the purpose of the performance by SCE of SCE's duties, obligations and responsibilities under the Covenant and Easement Agreement, the Facilities Services Agreement and the Asset Sale Agreement, and the exercise and enjoyment by SCE of its rights under the Facilities Services Agreement and Asset Sale Agreement.

2.15. Parking Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.15, for the benefit of the SCE Property, for the purpose of vehicular parking by SCE, its employees, agents, representatives, invitees, licensees and Permittees. Except as otherwise mutually agreed upon by the Parties, the foregoing parking rights shall be exercised on and over such parking lots and other parking areas as are customarily used as of the date of this Grant Deed for such purposes, subject to future relocation in accordance with the provisions of Section 4 below.

2.16. SCE Operations Equipment Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.16, for the benefit of the SCE Property, for the purpose of the use, operation,

inspection, maintenance, repair, installation, upgrade, alteration, restoration and replacement of the SCE Operations Equipment. The easement described in this Section 2.16 shall encumber and burden those portions of the Plant Property upon which the SCE Operations Equipment are presently located, along with those portions of the Plant Property within the Applicable Distance of the SCE Operations Equipment. Except for the SCE Operations Equipment presently existing on the Plant Property, and for alterations, upgrades, restorations or replacements thereof which do not materially increase the burden placed on the Plant Property as of the date of this Grant Deed by the SCE Improvements described in this Section 2.16, no additional SCE Operations Equipment shall be installed on the Plant Property by or on behalf of SCE pursuant to this Section 2.16, without the prior written consent of the Plant Owner, which consent shall not be unreasonably withheld.

2.17. Easement for Fence Installation and Maintenance. SCE reserves an easement for the benefit of the SCE Property over those portions of the Plant Land located within the Applicable Distance of the boundary of the SCE Land, for the purpose of the performance of construction, installation, maintenance, repair, upgrade, alteration, restoration and replacement work pertaining to fences and walls now or hereafter located on the SCE Land.

2.18. Helipad Easement. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.18, for the benefit of the SCE Property, for the use, operation, maintenance and repair of the helipad located on the Plant Property by SCE, its employees, agents, representatives, invitees, licensees and other Permittees. Except as otherwise mutually agreed upon by the Parties, the foregoing easement shall be exercised on and over the helipad located on the Plant Property as of the date of this Grant Deed, subject to future relocation in accordance with the provisions of Section 4 below.

2.19. Signage Easement. SCE reserves an easement in, on, over, under, across and through the Plant Property, for the benefit of the SCE Property, for the purpose of the installation, use, operation, maintenance, repair, upgrade, alteration, restoration and replacement of signage identifying the location and use of the SCE Property.

2.20. Easement for Use of Other SCE Improvements. SCE reserves an easement in, on, over, under, across and through the areas of the Plant Property described in this Section 2.20, for the benefit of the SCE Property, for the purpose of the use, operation, inspection, maintenance, repair, installation, upgrade, alteration, restoration and replacement of any other SCE Improvements presently located on the Plant Property, but as to which an easement is not otherwise expressly reserved by SCE under this Grant Deed. The easement described in this Section 2.20 shall encumber and burden those portions of the Plant Property upon which such SCE Improvements are presently located, along with those portions of the Plant Property within the Applicable Distance of such SCE Improvements. Except for such SCE Improvements presently existing on the Plant Property, and for alterations, upgrades, restorations or replacements thereof which do not place an increased burden on the Plant Property, no

additional SCE Improvements shall be installed on the Plant Property by or on behalf of SCE pursuant to this Section 2.20.

3. **Use of Property and Easements.** The Plant Property may be used for any lawful purpose, and the easements reserved by SCE herein may be utilized in any lawful manner for the purposes for which such easements are reserved herein, provided that all use of the Plant Property and the easements reserved herein shall be subject to the following: (i) no portion of the Plant Property shall be used in a manner which unreasonably interferes with the use of the easements reserved herein; (ii) no use of the easements reserved herein shall be made which unreasonably interferes with the use of the remaining portions of the Plant Property; (iii) no use of the Plant Property or any of the easements reserved herein shall be made in a manner or for a purpose which causes any Party to be in violation of, or in non-compliance with, any Governmental Requirements; and (iv) no use of the Plant Property or any of the easements reserved herein shall be made which constitutes or produces a nuisance or disturbance to other portions of the Property other than such noises, vibrations, odors, dust, emissions and electro-magnetic interferences or disturbances and the like which are lawfully and customarily incidental to the operation of a gas-fired electrical energy generation plant, the transmission of electrical energy, the storage and distribution of fuel, or the other uses currently existing on the Property as of the date of this Grant Deed. Notwithstanding the foregoing, but subject to compliance with applicable Governmental Requirements, the uses and manner of operation of the Property in existence as of the date of this Grant Deed are hereby permitted, including the portion of such current uses and manner of operation which will hereafter be conducted pursuant to the easements reserved herein. SCE shall have access to all locked areas of the Plant Property necessary or appropriate to permit the use and enjoyment by SCE of the easements reserved by SCE in this Grant Deed. Such access shall be by key, cardkey or other applicable device, and at no additional cost to SCE. Except in an Emergency, or except for access after normal business hours, SCE shall provide Plant Owner with prior or concurrent notice of its entry to the locked areas of the Plant Property.

4. **Relocation of Easements.** At the request of either Party, the areas of the Plant Property which are burdened by the easements reserved under this Grant Deed shall be subject to relocation upon the consent of the other Party, which consent shall not be unreasonably withheld, conditioned or delayed. The Party requesting the relocation shall be responsible for all reasonable third party out-of-pocket costs and expenses incurred in connection with the requested relocation, including all relocation, alteration, modification, demolition and other construction work required with respect to affected Improvements and all site restoration work.

5. **Run With Land.** Each and all of the easements, covenants, conditions and restrictions set forth in this Grant Deed shall run with and bind the Property. All covenants, conditions and restrictions set forth in this Grant Deed shall be equitable servitudes. All of the easements, covenants, conditions, and restrictions set forth in this Grant Deed shall benefit and be binding upon each Party and their respective heirs, successors and assigns. Any Party may

grant to any contractor, supplier, representative or agent of such Party rights in the Property, easements and other rights of such Party granted or reserved hereunder.

6. **Condemnation Rights Unimpaired.** Notwithstanding any provision which may be construed to the contrary in this Grant Deed, no term or provision of this Grant Deed shall impair, waive or otherwise affect any rights of SCE under applicable law to condemn any portion of the Plant Property, including, without limitation, any rights of SCE under California Public Utilities Code Section 612 or 615, or any applicable successor statute.

7. **Declaration of Easements.** Prior to entering into this Grant Deed, as a condition to the approval of the lot line adjustment for the Land, SCE caused to be recorded in the Office of the County Recorder a Declaration of Easements that establishes certain reciprocal easements for the benefit of the SCE Land and the Plant Land. In the event of any inconsistency between the provisions of said Declaration of Easements and the provisions of this Grant Deed, the provisions of this Grant Deed shall control.

PART B. SEVERED PROPERTY.

The grant by SCE of the real property described on Exhibit A attached hereto expressly excludes, and SCE retains full legal title to and ownership of, those Improvements located on the Plant Land which are described on Exhibit C attached to this Grant Deed and incorporated herein by reference (the "Severed Property"). The Severed Property, including all future modifications and alterations thereto, are hereby, and shall remain, severed from the Plant Land and shall constitute the personal property of SCE, its successors and assigns, regardless of whether such Severed Property is now or hereafter physically attached to the Plant Land or would otherwise constitute a fixture or other item of real property under applicable law. The character of the Severed Property as personal property shall not be altered or affected by (i) any future alteration to, or modification or relocation of, the Severed Property, (ii) any attachment or reattachment of the Severed Property to the Plant Land, or (iii) any other event, circumstance, condition, course of dealing, act, inaction or omission, other than an express written instrument to the contrary hereafter executed by the Parties and recorded in the Official Records of Los Angeles County, California. Upon request of either Party, the other Party agrees to execute (and record, if applicable, at the expense of the requesting Party) such further documents or instruments as may be appropriate to evidence the identity and ownership of the Severed Property from time to time, as such Severed Property may be hereafter modified or altered.

IN WITNESS WHEREOF, SCE has caused this Grant Deed to be executed as of the date set forth next to its signature.

DATE: 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 ALAMITOS, 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

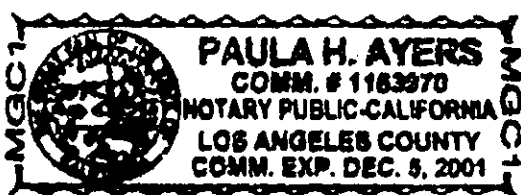
STATE OF CALIFORNIA)

COUNTY OF Los Angeles)

Paula H. Ayers

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

10

EXHIBIT A

LEGAL DESCRIPTION OF PLANTLAND

THE LAND REFERRED TO HEREIN IS SITUATED IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL 1:

PARCEL 1 OF LOT LINE ADJUSTMENT RECORDED DECEMBER 12, 1997 AS INSTRUMENT NO. 97-1958949, OFFICIAL RECORDS, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THAT PORTION OF SECTION 2, TOWNSHIP 5 SOUTH, RANGE 12 WEST, IN THE RANCHO LOS ALAMITOS, AS SHOWN ON PARTITION MAP RECORDED IN BOOK 700, PAGE 141 OF DEEDS, IN THE OFFICE OF THE LOS ANGELES COUNTY RECORDER, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF THE EAST ONE-HALF OF SAID SECTION 2;

THENCE S. 00 DEGREES 10' 03" W. ALONG THE WESTERLY LINE OF SAID EAST ONE-HALF, A DISTANCE OF 2505.01 FEET, TO THE SOUTHEASTERLY LINE OF THE LOS CERRITOS CHANNEL AS SHOWN BY MAP ON FILE IN BOOK 79 OF RECORD OF SURVEYS, PAGE 91 THEREOF, ALSO BEING A POINT IN THE EASTERLY LINE OF THAT CERTAIN PARCEL OF LAND CONVEYED TO BIXBY RANCH, BY GRANT DEED RECORDED MAY 22, 1963 AS INSTRUMENT NO. 4371, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA;

THENCE N. 36 DEGREES 11' 54" E. ALONG SAID SOUTHEASTERLY LINE AND ALONG THE NORTHWESTERLY LINE OF SAID PARCEL CONVEYED TO BIXBY RANCH, A DISTANCE OF 75.39 FEET;

THENCE CONTINUING ALONG SAID SOUTHEASTERLY LINE AND SAID NORTHWESTERLY LINE ON A CURVE CONCAVE NORTHWESTERLY, HAVING A RADIUS OF 578.44 FEET, THROUGH, AN ANGLE OF 15 DEGREES 05' 10", AN ARC LENGTH OF 152.30 FEET, TO THE NORTHWEST CORNER THEREOF, ALSO BEING AN ANGLE POINT ON THE WESTERLY LINE OF STUDEBAKER ROAD AS DESCRIBED IN GRANT OF EASEMENT RECORDED MAY 19, 1965 AS INSTRUMENT NO. 3602, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA;

THENCE S. 89 DEGREES 49' 57" E. ALONG THE NORTHERLY LINE OF SAID PARCEL CONVEYED TO BIXBY RANCH AND SAID WESTERLY LINE OF STUDEBAKER ROAD, A DISTANCE OF 29.22 FEET, TO THE NORTHEAST CORNER OF SAID PARCEL CONVEYED TO BIXBY RANCH;

7

EXHIBIT A

LEGAL DESCRIPTION OF PLANTLAND

THENCE S. 00 DEGREES 10' 03" W. ALONG THE EASTERLY LINE OF SAID PARCEL CONVEYED TO BIXBY RANCH AND ALONG SAID WESTERLY LINE OF STUDEBAKER ROAD, A DISTANCE OF 304.50 FEET;

THENCE SOUTHERLY ALONG SAID EASTERLY AND WESTERLY LINES AND ALONG THE WESTERLY LINE OF STUDEBAKER ROAD AS DESCRIBED IN GRANT OF EASEMENT RECORDED JULY 2, 1965 AS INSTRUMENT NO. 4310, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA, ON A CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 1950.00 FEET, THROUGH AN ANGLE OF 09 DEGREES 50' 46" AN ARC LENGTH OF 335.10 FEET, TO THE SOUTHEAST CORNER OF SAID PARCEL CONVEYED TO BIXBY RANCH;

THENCE N. 49 DEGREES 00' 29" W. ALONG THE SOUTHERLY LINE OF SAID PARCEL CONVEYED TO BIXBY RANCH AND THE NORTHWESTERLY PROLONGATION THEREOF, A DISTANCE OF 386.25 FEET, TO A POINT IN THE SOUTHEASTERLY LINE OF THE LOS CERRITOS CHANNEL AS DESCRIBED IN DECREE OF CONDEMNATION (PARCEL 3) RECORDED NOVEMBER 8, 1955 IN BOOK 49471, PAGE 50 THEREOF, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA;

THENCE SOUTHWESTERLY ALONG SAID SOUTHEASTERLY LINE ON A CURVE CONCAVE NORTHWESTERLY, HAVING A RADIUS OF 1150.00 FEET, THROUGH AN ANGLE OF 10 DEGREES 46' 38", AN ARC LENGTH OF 216.31 FEET, TO A LINE PARALLEL WITH AND 210.00 FEET SOUTHWESTERLY OF THE HEREIN BEFORE DESCRIBED COURSE OF N. 49 DEGREES 00' 29" W., A DISTANCE OF 386.25 FEET (THE INITIAL RADIAL LINE BEARS S. 40 DEGREES 52' 03" E.);

THENCE S. 49 DEGREES 00' 29" E. ALONG SAID PARALLEL LINE, A DISTANCE OF 448.33 FEET;

THENCE N. 40 DEGREES 59' 31" E. A DISTANCE OF 12.00 FEET, TO A LINE PARALLEL WITH AND 198.00 FEET SOUTHWESTERLY OF THE HEREIN BEFORE DESCRIBED COURSE OF N. 49 DEGREES 00' 29" W. A DISTANCE OF 386.25 FEET;

THENCE S. 49 DEGREES 00' 29" E. ALONG SAID PARALLEL LINE, A DISTANCE OF 205.84 FEET TO THE EASTERLY LINE OF STUDEBAKER ROAD AS DESCRIBED IN GRANT OF EASEMENT RECORDED JULY 2, 1965 AS INSTRUMENT NO. 4310, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA;

THENCE S. 14 DEGREES 22' 34" W. ALONG SAID EASTERLY LINE, A DISTANCE OF 108.46 FEET;

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18

EXHIBIT A

LEGAL DESCRIPTION OF PLANT LAND

THENCE S. 67 DEGREES 07' 20" E., A DISTANCE OF 158.38 FEET;
 THENCE S. 75 DEGREES 20' 02" E., A DISTANCE OF 46.34 FEET;
 THENCE S. 81 DEGREES 39' 10" E., A DISTANCE OF 55.65 FEET;
 THENCE S. 86 DEGREES 07' 47" E., A DISTANCE OF 45.08 FEET;
 THENCE N. 87 DEGREES 40' 58" E., A DISTANCE OF 56.45 FEET;
 THENCE S. 85 DEGREES 25' 49" E., A DISTANCE OF 221.37 FEET;
 THENCE S. 89 DEGREES 25' 41" E., A DISTANCE OF 165.45 FEET;
 THENCE S. 00 DEGREES 19' 30" W. A DISTANCE OF 117.35 FEET;
 THENCE S. 00 DEGREES 29' 51" E., A DISTANCE OF 152.50 FEET;
 THENCE N. 89 DEGREES 30' 09" E., A DISTANCE OF 50.78 FEET;
 THENCE S. 00 DEGREES 04' 08" E., A DISTANCE OF 210.73 FEET;
 THENCE S. 89 DEGREES 53' 07" E., A DISTANCE OF 736.26 FEET, TO
 THE WESTERLY LINE OF THE SAN GABRIEL RIVER AS DESCRIBED AS
 PARCEL 1 IN GRANT OF EASEMENT TO THE LOS ANGELES COUNTY FLOOD
 CONTROL DISTRICT, RECORDED MAY 13, 1925 IN BOOK 4865, PAGE 275
 THEREOF, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA;
 THENCE S. 00 DEGREES 09' 47" W. ALONG SAID WESTERLY LINE, A
 DISTANCE OF 522.43 FEET;
 THENCE SOUTHWESTERLY ALONG SAID WESTERLY LINE ON A CURVE CONCAVE
 NORTHWESTERLY, HAVING A RADIUS OF 2664.93 FEET, THROUGH AN
 ANGLE OF 18 DEGREES 34' 50", AN ARC LENGTH OF 864.22 FEET, TO
 THE SOUTHERLY LINE OF SAID SECTION 2, ALSO BEING THE CENTERLINE
 OF WESTMINSTER AVENUE;
 THENCE S. 89 DEGREES 50' 17" E. ALONG SAID SOUTHERLY LINE AND
 SAID CENTERLINE, A DISTANCE OF 418.93 FEET, TO THE EASTERLY
 LINE OF SAID SAN GABRIEL RIVER;
 THENCE NORTHEASTERLY ALONG SAID EASTERLY LINE ON A CURVE CONCAVE
 NORTHWESTERLY, HAVING A RADIUS OF 3064.93 FEET, THROUGH AN
 ANGLE OF 16 DEGREES 05' 04", AN ARC LENGTH OF 860.40 FEET;

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19

EXHIBIT A

LEGAL DESCRIPTION OF PLANT LAND

THENCE N. 00 DEGREES 09' 47" E. ALONG SAID EASTERLY LINE, A DISTANCE OF 4056.54 FEET, TO A LINE PARALLEL WITH AND 390.00 FEET SOUTHERLY OF THE NORTHERLY LINE OF SAID SECTION 2;

THENCE S. 89 DEGREES 49' 51" E. ALONG SAID PARALLEL LINE, A DISTANCE OF 126.26 FEET, TO A POINT IN THE EASTERLY BOUNDARY LINE OF THE COUNTY OF LOS ANGELES AS SHOWN BY RECORD OF SURVEY ON FILE IN BOOK 84 OF RECORD OF SURVEYS, PAGE 80 THEREOF, RECORDS OF LOS ANGELES COUNTY, CALIFORNIA;

THENCE N. 27 DEGREES 16' 40" W. ALONG SAID EASTERLY BOUNDARY LINE, A DISTANCE OF 163.26 FEET, TO AN ANGLE POINT THEREIN;

THENCE N. 31 DEGREES 31' 23" W. ALONG SAID EASTERLY BOUNDARY LINE, A DISTANCE OF 288.07 FEET, TO A POINT IN SAID NORTHERLY LINE OF SECTION 2, ALSO BEING THE CENTERLINE OF STATE HIGHWAY 22 (FORMERLY 7TH STREET);

THENCE N. 89 DEGREES 49' 51" W. ALONG SAID NORTHERLY LINE AND SAID CENTERLINE, A DISTANCE OF 299.71 FEET, TO A POINT IN SAID WESTERLY LINE OF THE SAN GABRIEL RIVER, ALSO BEING THE NORTHEAST CORNER OF THE PARCEL CONVEYED TO STATE OF CALIFORNIA BY GRANT DEED RECORDED APRIL 4, 1962 AS INSTRUMENT NO. 1941, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA;

THENCE S. 00 DEGREES 09' 47" W. ALONG SAID WESTERLY LINE AND THE EASTERLY LINE OF SAID PARCEL CONVEYED TO THE STATE OF CALIFORNIA, A DISTANCE OF 60.00 FEET, TO THE SOUTHEAST CORNER THEREOF;

THENCE CONTINUING S. 00 DEGREES 09' 47" W. ALONG SAID WESTERLY LINE, A DISTANCE OF 978.08 FEET;

THENCE N. 89 DEGREES 53' 10" W., A DISTANCE OF 212.39 FEET;

THENCE S. 00 DEGREES 03' 04" W., A DISTANCE OF 176.59 FEET;

THENCE N. 89 DEGREES 49' 45" W. A DISTANCE OF 944.79 FEET;

THENCE S. 21 DEGREES 24' 58" E., A DISTANCE OF 171.42 FEET

THENCE N. 89 DEGREES 59' 49" W., A DISTANCE OF 299.60 FEET, TO THE EASTERLY LINE OF SAID STUDEBAKER ROAD AS DESCRIBED IN GRANT OF EASEMENT RECORDED JUNE 20, 1973 AS INSTRUMENT NO. 2689, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA;

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20

EXHIBIT A

LEGAL DESCRIPTION OF PLANT LAND

THENCE NORTHERLY ALONG SAID EASTERLY LINE ON A CURVE CONCAVE EASTERLY, HAVING A RADIUS OF 153.00 FEET, THROUGH AN ANGLE OF 01 DEGREES 46' 17", AN ARC LENGTH OF 4.73 FEET (THE INITIAL RADIAL LINE BEARS S. 88 DEGREES 23' 46" W.);

THENCE N. 00 DEGREES 10' 03" E. ALONG SAID EASTERLY LINE AND ALONG THE EASTERLY LINE OF SAID STUDEBAKER ROAD AS DESCRIBED IN GRANT OF EASEMENT RECORDED MAY 19, 1965 AS INSTRUMENT NO. 3602, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA, A DISTANCE OF 94.21 FEET, TO THE MOST NORTHERLY CORNER OF SAID GRANT OF EASEMENT RECORDED MAY 19, 1965 AS INSTRUMENT NO. 3602;

THENCE S. 09 DEGREES 58' 49" W. ALONG THE NORTHERLY LINE OF SAID GRANT OF EASEMENT RECORDED MAY 19, 1965 AS INSTRUMENT NO. 3602, A DISTANCE OF 58.68 FEET, TO AN ANGLE POINT THEREIN;

THENCE N. 89 DEGREES 49' 51" W. ALONG SAID NORTHERLY LINE AND THE WESTERLY PROLONGATION THEREOF, A DISTANCE OF 96.00 FEET, TO A LINE PARALLEL WITH AND DISTANT 149.00 FEET EASTERLY OF SAID WESTERLY LINE OF THE EAST ONE-HALF OF SECTION 2:

THENCE N. 00 DEGREES 10' 03" E. ALONG SAID PARALLEL LINE, A DISTANCE OF 1334.00 FEET, TO A POINT IN SAID NORTHERLY LINE OF SECTION 2, ALSO BEING THE CENTERLINE OF STATE HIGHWAY 22 (FORMERLY 7TH STREET);

THENCE N. 89 DEGREES 49' 51" W. ALONG SAID NORTHERLY LINE, A DISTANCE OF 149.00 FEET, TO THE POINT OF BEGINNING.

EXCEPTING THEREFROM THAT PORTION OF THE EAST ONE-HALF OF SECTION 2, TOWNSHIP 5 SOUTH, RANGE 12 WEST, IN THE RANCHO LOS ALAMITOS, AS SHOWN ON PARTITION MAP RECORDED IN BOOK 700, PAGE 141 OF DEEDS, IN THE OFFICE OF THE LOS ANGELES COUNTY RECORDER, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID EAST ONE-HALF;

THENCE S. 89 DEGREES 49' 51" E. ALONG THE NORTHERLY LINE OF SAID SECTION 2, A DISTANCE OF 246.00 FEET, TO A LINE PARALLEL WITH AND DISTANT 246.00 FEET EASTERLY OF THE WESTERLY LINE OF SAID EAST ONE-HALF OF SECTION 2;

THENCE S. 00 DEGREES 10' 03" W. ALONG SAID PARALLEL LINE, A

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21

EXHIBIT A

LEGAL DESCRIPTION OF PLANTLAND

DISTANCE OF 2614.95 FEET, BEING THE MOST NORTHERLY CORNER OF THAT PARCEL OF LAND CONVEYED TO BIXBY RANCH BY DEED RECORDED MAY 22, 1963 AS INSTRUMENT NO. 4371, OFFICIAL RECORDS OF LOS ANGELES COUNTY, ALSO BEING A POINT ON THE EASTERLY LINE OF STUDEBAKER ROAD AS DESCRIBED IN GRANT OF EASEMENT RECORDED MAY 19, 1965 AS INSTRUMENT NO. 3602, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA, BEING THE TRUE POINT OF BEGINNING;

THENCE SOUTHWESTERLY ALONG SAID EASTERLY LINE AND ALONG THE WESTERLY LINE OF SAID PARCEL CONVEYED TO BIXBY RANCH, ON A CURVE CONCAVE NORTHWESTERLY, HAVING A RADIUS OF 2050.00 FEET, THROUGH AN ANGLE OF 11 DEGREES 30' 36", AN ARC LENGTH OF 411.82 FEET, TO THE SOUTHWEST CORNER OF SAID PARCEL CONVEYED TO BIXBY RANCH;

THENCE S. 49 DEGREES 00' 29" E. ALONG THE SOUTHERLY LINE OF SAID PARCEL CONVEYED TO BIXBY RANCH, A DISTANCE OF 54.48 FEET, TO A LINE PARALLEL WITH AND 246.00 FEET EASTERLY OF SAID WESTERLY LINE OF THE EAST ONE-HALF OF SECTION 2, ALSO BEING THE SOUTHEAST CORNER OF SAID PARCEL CONVEYED TO BIXBY RANCH;

THENCE S. 00 DEGREES 10' 03" W. ALONG SAID PARALLEL LINE, A DISTANCE OF 12.30 FEET;

THENCE S. 89 DEGREES 45' 12" E., A DISTANCE OF 862.40 FEET;

THENCE N. 89 DEGREES 44' 33" E., A DISTANCE OF 219.36 FEET;

THENCE N. 00 DEGREES 23' 26" W., A DISTANCE OF 283.33 FEET;

THENCE N. 06 DEGREES 05' 26" E. A DISTANCE OF 57.86 FEET;

THENCE N. 89 DEGREES 21' 45" W., A DISTANCE OF 160.46 FEET;

THENCE N. 00 DEGREES 34' 04" E., A DISTANCE OF 182.33 FEET;

THENCE N. 44 DEGREES 37' 31" E., A DISTANCE OF 37.01 FEET;

THENCE N. 00 DEGREES 19' 12" W., A DISTANCE OF 200.42 FEET;

THENCE N. 89 DEGREES 51' 14" W., A DISTANCE OF 300.22 FEET;

THENCE N. 00 DEGREES 08' 46" E., A DISTANCE OF 20.92 FEET;

THENCE N. 89 DEGREES 32' 08" W., A DISTANCE OF 649.78 FEET TO SAID LINE PARALLEL WITH AND 246.00 FEET EASTERLY OF THE WESTERLY LINE THE EAST ONE-HALF OF SECTION 2;

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22

EXHIBIT A

LEGAL DESCRIPTION OF PLANT LAND

THENCE S. 00 DEGREES 10' 03" W. ALONG SAID LINE, A DISTANCE OF 319.50 FEET TO THE POINT OF BEGINNING.

ALSO EXCEPTING THEREFROM FROM A PORTION OF SAID LAND, 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 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 SUB-SURFACE OF SAID LAND FROM DRILL SITES LOCATED ON OTHER LAND, IT BEING EXPRESSLY UNDERSTOOD AND AGREED THAT SAID SELLERS, THEIR HEIRS, 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 500 FEET, FOR ANY PURPOSE WHATSOEVER, AS SET FORTH IN THE DEED FROM ERNEST A. BRYANT, JR., AND ALLEN L. CHICKERING, AS TRUSTEES UNDER THE LAST WILL AND TESTAMENT OF SUSANNA BIXBY BRYANT, ALSO KNOWN AS SUSANNA P. BRYANT, DECEASED, RECORDED JULY 27, 1953 IN BOOK 42302 PAGE 73, OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM FROM A PORTION OF SAID LAND, ALL OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN AND UNDER SAID LAND, WITHOUT, HOWEVER, THE RIGHT TO USE THE SURFACE THEREOF, AS EXCEPTED AND RESERVED IN THAT CERTAIN DEED TO EDISON SECURITIES COMPANY, A CORPORATION, DATED SEPTEMBER 2, 1953 AND RECORDED IN BOOK 42694, PAGE 232, OF OFFICIAL RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

ALSO EXCEPTING THEREFROM FROM A PORTION OF SAID LAND, 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, 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, WITHOUT, HOWEVER, THE RIGHT TO ENTER UPON THE SURFACE OF SAID LAND, OR TO USE SAID LAND OR ANY PORTION THEREOF TO SAID DEPTH OF FIVE HUNDRED (500) FEET FOR ANY PURPOSE WHATSOEVER, AS PROVIDED IN DEED RECORDED MAY 22, 1963 AS INSTRUMENT NO. 4370, OFFICIAL RECORDS.

23

EXHIBIT B

LEGAL DESCRIPTION OF SCE LAND

The land referred to herein is situated in the County of Los Angeles, State of California, and is described as follows:

PARCEL 2:

PARCEL 2 OF LOT LINE ADJUSTMENT RECORDED DECEMBER 12, 1997 AS INSTRUMENT NO. 97-1958950, OFFICIAL RECORDS, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THAT PORTION OF THE EAST ONE-HALF OF SECTION 2, TOWNSHIP 5, SOUTH, RANGE 12 WEST, IN THE RANCHO LOS ALAMITOS, AS SHOWN ON PARTITION MAP RECORDED IN BOOK 700, PAGE 141 OF DEEDS, IN THE OFFICE OF THE LOS ANGELES COUNTY RECORDER, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID EAST ONE-HALF;

THENCE S. 89 DEGREES 49' 51" E. ALONG THE NORTHERLY LINE OF SAID SECTION 2, A DISTANCE OF 246.00 FEET, TO A LINE PARALLEL WITH AND DISTANT 246.00 FEET EASTERLY OF THE WESTERLY LINE OF SAID EAST ONE-HALF OF SECTION 2;

THENCE S. 00 DEGREES 10' 03" W. ALONG SAID PARALLEL LINE, A DISTANCE OF 2614.95 FEET, BEING THE MOST NORTHERLY CORNER OF THAT PARCEL OF LAND CONVEYED TO BIXBY RANCH BY DEED RECORDED MAY 22, 1963 AS INSTRUMENT NO. 4371, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA, ALSO BEING A POINT ON THE EASTERLY LINE OF STUDEBAKER ROAD AS DESCRIBED IN GRANT OF EASEMENT RECORDED MAY 19, 1965 AS INSTRUMENT NO. 3602, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA, BEING THE TRUE POINT OF BEGINNING;

THENCE SOUTHWESTERLY ALONG SAID EASTERLY LINE; AND ALONG THE WESTERLY LINE OF SAID PARCEL CONVEYED TO BIXBY RANCH, ON A CURVE CONCAVE NORTHWESTERLY, HAVING A RADIUS OF 2050.00 FEET, THROUGH AN ANGLE OF 11 DEGREES 30' 36", AN ARC LENGTH OF 411.82 FEET, TO THE SOUTHWEST CORNER OF SAID PARCEL CONVEYED TO BIXBY RANCH;

THENCE S. 49 DEGREES 00' 29" E. ALONG THE SOUTHERLY LINE OF SAID PARCEL CONVEYED TO BIXBY RANCH, A DISTANCE OF 54.48 FEET, TO A LINE PARALLEL WITH AND 246.00 FEET EASTERLY OF SAID WESTERLY LINE OF THE EAST ONE-HALF OF SECTION 2, ALSO BEING THE SOUTHEAST CORNER OF SAID PARCEL CONVEYED TO BIXBY RANCH;

24

EXHIBIT B

LEGAL DESCRIPTION OF SCE LAND

THENCE S. 00 DEGREES 10' 03" W. ALONG SAID PARALLEL LINE, A DISTANCE OF 12.30 FEET;

THENCE S. 89 DEGREES 45' 12" E., A DISTANCE OF 862.40 FEET;

THENCE N. 89 DEGREES 44' 33" E., A DISTANCE OF 219.36 FEET;

THENCE N. 00 DEGREES 23' 26" W., A DISTANCE OF 283.33 FEET;

THENCE N. 06 DEGREES 05' 26" E., A DISTANCE OF 57.86 FEET;

THENCE N. 89 DEGREES 21' 45" W., A DISTANCE OF 160.46 FEET;

THENCE N. 00 DEGREES 34' 04" E., A DISTANCE OF 182.33 FEET;

THENCE N. 44 DEGREES 37' 31" E., A DISTANCE OF 37.01 FEET;

THENCE N. 00 DEGREES 19' 12" W., A DISTANCE OF 200.42 FEET;

THENCE N. 89 DEGREES 51' 14" , A DISTANCE OF 300.22 FEET;

THENCE N. 00 DEGREES 08' 46" E., A DISTANCE OF 20.92 FEET

THENCE N. 89 DEGREES 32' 08" W., A DISTANCE OF 649.78 FEET TO SAID LINE PARALLEL WITH AND 246.00 FEET EASTERLY OF THE WESTERLY LINE THE EAST ONE-HALF OF SECTION 2;

THENCE S. 00 DEGREES 10' 03" W. ALONG SAID LINE, A DISTANCE OF 319.50 FEET TO THE POINT OF BEGINNING.

PARCEL 3:

PARCEL 3 OF LOT LINE ADJUSTMENT MAP RECORDED DECEMBER 12, 1997 AS INSTRUMENT NO. 97-1958951, OFFICIAL RECORDS, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THAT PORTION OF SECTION 2, TOWNSHIP 5 SOUTH, RANGE 12 WEST, IN THE RANCHO LOS ALAMITOS, AS SHOWN ON PARTITION MAP RECORDED IN BOOK 700, PAGE 141 OF DEEDS, IN THE OFFICE OF THE LOS ANGELES COUNTY RECORDER, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF THE EAST ONE-HALF OF SAID SECTION 2;

THENCE S. 00 DEGREES 10' 03" W. ALONG THE WESTERLY LINE OF SAID EAST ONE-HALF, A DISTANCE OF 2505.01 FEET, TO THE SOUTHEASTERLY

25

EXHIBIT B

LEGAL DESCRIPTION OF SCE LAND

LINE OF THE LOS CERRITOS CHANNEL AS SHOWN BY MAP ON FILE IN BOOK 79 OF RECORD OF SURVEYS, PAGE 91 THEREOF, ALSO BEING A POINT IN THE EASTERLY LINE OF THAT CERTAIN PARCEL OF LAND CONVEYED TO BIXBY RANCH, BY DEED RECORDED MAY 22, 1963 AS INSTRUMENT NO. 4371, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA;

THENCE N. 36 DEGREES 11' 54" E. ALONG SAID SOUTHEASTERLY LINE AND ALONG THE NORTHWESTERLY LINE OF SAID PARCEL CONVEYED TO BIXBY RANCH, A DISTANCE OF 75.39 FEET;

THENCE CONTINUING ALONG SAID SOUTHEASTERLY LINE AND SAID NORTHWESTERLY LINE ON A CURVE CONCAVE NORTHWESTERLY, HAVING A RADIUS OF 578.44 FEET, THROUGH, AN ANGLE OF 15 DEGREES 05' 10", AN ARC LENGTH OF 152.30 FEET, TO THE NORTHWEST CORNER THEREOF,

ALSO BEING AN ANGLE POINT ON THE WESTERLY LINE OF STUDEBAKER ROAD AS DESCRIBED IN GRANT OF EASEMENT RECORDED MAY 19, 1965 AS INSTRUMENT NO. 3602, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA;

THENCE S. 89 DEGREES 49' 57" E. ALONG THE NORTHERLY LINE OF SAID PARCEL CONVEYED TO BIXBY RANCH AND SAID WESTERLY LINE OF STUDEBAKER ROAD, A DISTANCE OF 29.22 FEET, TO THE NORTHEAST CORNER OF SAID PARCEL CONVEYED TO BIXBY RANCH;

THENCE S. 00 DEGREES 20' 03" W. ALONG THE EASTERLY LINE OF SAID PARCEL CONVEYED TO BIXBY RANCH AND ALONG SAID WESTERLY LINE OF STUDEBAKER ROAD, A DISTANCE OF 304.50 FEET;

THENCE SOUTHERLY ALONG SAID EASTERLY AND WESTERLY LINES AND ALONG THE WESTERLY LINE OF STUDEBAKER ROAD AS DESCRIBED IN GRANT OF EASEMENT RECORDED JULY 2, 1965 AS INSTRUMENT NO. 4310, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA, ON A CURVE CONCAVE WESTERLY, HAVING A RADIUS OF 1950.00 FEET, THROUGH AN ANGLE OF 09 DEGREES 50' 46", AN ARC LENGTH OF 335.10 FEET, TO THE SOUTHEAST CORNER OF SAID PARCEL CONVEYED TO BIXBY RANCH;

THENCE N. 49 DEGREES 00' 29" W. ALONG THE SOUTHERLY LINE OF SAID PARCEL CONVEYED TO BIXBY RANCH AND THE NORTHWESTERLY PROLONGATION THEREOF, A DISTANCE OF 386.25 FEET, TO A POINT IN THE SOUTHEASTERLY LINE OF THE LOS CERRITOS CHANNEL AS DESCRIBED IN DECREE OF CONDEMNATION (PARCEL 3) RECORDED NOVEMBER 8, 1955 IN BOOK 49471, PAGE 50 THEREOF, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA;

26

EXHIBIT B

LEGAL DESCRIPTION OF SCE LAND

THENCE SOUTHWESTERLY ALONG SAID SOUTHEASTERLY LINE ON A CURVE CONCAVE NORTHWESTERLY, HAVING A RADIUS OF 1150.00 FEET THROUGH AN ANGLE OF 10 DEGREES 46' 38", AN ARC LENGTH OF 216.31 FEET, TO A LINE PARALLEL WITH AND 210.00 FEET SOUTHWESTERLY OF THE HEREIN DESCRIBED COURSE OF N. 49 DEGREES 00' 29" W. A DISTANCE OF 386.25 FEET (THE INITIAL RADIAL LINE BEARS S. 40 DEGREES 52' 03" E.);

THENCE S. 49 DEGREES 00' 29" E. ALONG SAID PARALLEL LINE, A DISTANCE OF 448.33 FEET, TO THE TRUE POINT OF BEGINNING.

THENCE N. 40 DEGREES 59' 31" E., A DISTANCE OF 12.00 FEET, TO A LINE PARALLEL WITH AND 198.00 FEET SOUTHWESTERLY OF THE HEREIN BEFORE DESCRIBED COURSE OF N. 49 DEGREES 00' 29" W., A DISTANCE OF 386.25 FEET;

THENCE S. 49 DEGREES 00' 29" E. ALONG SAID PARALLEL LINE, A DISTANCE OF 205.84 FEET TO THE EASTERLY LINE OF SAID STUDEBAKER ROAD AS DESCRIBED IN GRANT OF EASEMENT RECORDED JULY 2, 1965 AS INSTRUMENT NO. 4310, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA;

THENCE S. 14 DEGREES 22' 34" W. ALONG SAID EASTERLY LINE A DISTANCE OF 108.46 FEET;

THENCE S. 67 DEGREES 07' 20" E., A DISTANCE OF 158.38 FEET;

THENCE S. 75 DEGREES, 20' 02", E. A DISTANCE OF 16.34 FEET;

THENCE S. 81 DEGREES, 39' 10" E., A DISTANCE OF 55.65 FEET;

THENCE S. 86 DEGREES, 07' 47" E., A DISTANCE OF 45.08 FEET;

THENCE N. 87 DEGREES, 40' 58" E., A DISTANCE OF 56.45 FEET;

THENCE S. 85 DEGREES, 25' 49" E., A DISTANCE OF 221.37 FEET;

THENCE S. 89 DEGREES, 25' 41" E., A DISTANCE OF 165.45 FEET;

THENCE S. 00 DEGREES, 19' 30" W., A DISTANCE OF 117.35 FEET;

THENCE S. 00 DEGREES, 29' 51" E., A DISTANCE OF 152.50 FEET;

THENCE N. 89 DEGREES, 30' 09" E., A DISTANCE OF 50.78 FEET;

THENCE S. 00 DEGREES, 04' 08" E., A DISTANCE OF 210.73 FEET;

27

EXHIBIT B

LEGAL DESCRIPTION OF SCELAND

THENCE S. 89 DEGREES 53' 07" E. A DISTANCE OF 736.26 FEET, TO WESTERLY LINE OF THE SAN GABRIEL RIVER AS DESCRIBED AS PARCEL 1 IN GRANT OF EASEMENT TO THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT, RECORDED MAY 13, 1925 IN BOOK 4865, PAGE 275, THEREOF, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA;

THENCE S. 00 DEGREES 09' 47" W. ALONG SAID WESTERLY LINE A DISTANCE OF 522.43 FEET;

THENCE SOUTHWESTERLY ALONG SAID WESTERLY LINE ON A CURVE CONCAVE NORTHWESTERLY, HAVING A RADIUS OF 2664.93 FEET, THROUGH AN ANGLE OF 18 DEGREES 34' 51", AN ARC LENGTH OF 864.22 FEET, TO THE SOUTHERLY LINE OF SAID SECTION 2, ALSO BEING THE CENTERLINE OF WESTMINSTER AVENUE;

THENCE N. 89 DEGREES 50' 17" W. ALONG SAID SOUTHERLY LINE AND SAID CENTERLINE, A DISTANCE OF 1509.86 FEET, TO THE SOUTHWEST CORNER OF SAID EAST ONE-HALF OF SECTION 2, ALSO BEING THE CENTERLINE OF SAID STUDEBAKER ROAD;

THENCE N. 00 DEGREES 10' 03" E. ALONG THE WESTERLY LINE OF SAID EAST ONE-HALF OF SECTION 2, A DISTANCE OF 1858.25 FEET, TO THE WESTERLY LINE OF SAID STUDEBAKER ROAD;

THENCE NORTHEASTERLY ALONG SAID WESTERLY LINE ON A CURVE CONCAVE SOUTHEASTERLY, HAVING A RADIUS OF 2050.00 FEET, THROUGH AN ANGLE OF 01 DEGREES 31' 42", AN ARC LENGTH OF 54.68 FEET (THE INITIAL RADIAL LINE BEARS S. 77 DEGREES 09' 08" E.);

THENCE N. 14 DEGREES 22' 34" E. ALONG SAID WESTERLY LINE, A DISTANCE OF 210.60 FEET, TO A LINE PRODUCED S. 49 DEGREES 00' 29" E. FROM THE POINT OF BEGINNING;

THENCE N. 49 DEGREES 00' 29" W. ALONG SAID PRODUCED LINE, A DISTANCE OF 100.00 FEET, TO POINT OF BEGINNING.

PARCEL 4:

PARCEL 4 OF LOT LINE ADJUSTMENT RECORDED DECEMBER 12, 1997 AS INSTRUMENT NO. 97-1958952, OFFICIAL RECORDS, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THAT PORTION OF THE EAST ONE-HALF OF SECTION 2, TOWNSHIP 5 SOUTH, RANGE 12 WEST, IN THE RANCHO LOS ALAMITOS, AS SHOWN ON PARTITION MAP RECORDED IN BOOK 700, PAGE 141 OF DEEDS, IN THE OFFICE OF THE LOS ANGELES COUNTY RECORDER, DESCRIBED AS FOLLOWS:

28

EXHIBIT B

LEGAL DESCRIPTION OF SCE LAND

COMMENCING AT THE NORTHWEST CORNER OF SAID EAST ONE-HALF;

THENCE S. 89 DEGREES 49' 51" E. ALONG THE NORTHERLY LINE OF SAID SECTION 2, A DISTANCE OF 1648.36 FEET, TO THE WESTERLY LINE OF THE SAN GABRIEL RIVER AS DESCRIBED AS PARCEL 1 IN GRANT OF EASEMENT TO THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT, RECORDED MAY 13, 1925 IN BOOK 4865, PAGE 275 THEREOF, OFFICIAL RECORDS OF LOS ANGELES COUNTY, ALSO BEING THE NORTHEAST CORNER OF THE PARCEL CONVEYED TO THE STATE OF CALIFORNIA BY DEED RECORDED APRIL 4, 1962 AS INSTRUMENT NO. 1941, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA;

THENCE S. 00 DEGREES 09' 47" W. ALONG SAID WESTERLY LINE AND THE EASTERLY LINE OF SAID PARCEL CONVEYED TO THE STATE OF CALIFORNIA, A DISTANCE OF 60.00 FEET, TO THE SOUTHEAST CORNER THEREOF, BEING THE TRUE POINT OF BEGINNING:

THENCE CONTINUING SOUTH 00 DEGREES 09' 47" W. ALONG SAID WESTERLY LINE A DISTANCE OF 978.08 FEET;

THENCE N. 89 DEGREES 53' 10" W., A DISTANCE OF 212.39 FEET;

THENCE S. 00 DEGREES, 03' 04" W., A DISTANCE OF 176.59 FEET;

THENCE N. 89 DEGREES, 49' 45" W., A DISTANCE OF 944.79 FEET;

THENCE S. 21 DEGREES, 24' 58" E., A DISTANCE OF 171.42 FEET;

THENCE N. 89 DEGREES 59' 49" W., A DISTANCE OF 299.60 FEET, TO THE EASTERLY LINE OF SAID STUDEBAKER ROAD AS DESCRIBED IN GRANT OF EASEMENT RECORDED JUNE 20, 1973 AS INSTRUMENT NO. 2689, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA;

THENCE NORTHERLY ALONG SAID EASTERLY LINE ON A CURVE CONCAVE EASTERLY, HAVING A RADIUS OF 153.00 FEET, THROUGH AN ANGLE OF 01 DEGREES 46' 17", AN ARC LENGTH OF 4.73 FEET (THE INITIAL RADIAL LINE BEARS S. 88 DEGREES 23' 46" W.);

THENCE N. 00 DEGREES 10' 03" E. ALONG SAID EASTERLY LINE AND ALONG THE EASTERLY LINE OF SAID STUDEBAKER ROAD AS DESCRIBED IN GRANT OF EASEMENT RECORDED MAY 19, 1965 AS INSTRUMENT NO. 3602, OFFICIAL RECORDS OF LOS ANGELES COUNTY, CALIFORNIA, A DISTANCE OF 94.21 FEET, TO THE MOST NORTHERLY CORNER OF SAID GRANT OF EASEMENT RECORDED MAY 19, 1965 AS INSTRUMENT NO. 3602, ALSO BEING A POINT ON THE SOUTHEASTERLY LINE OF SAID PARCEL CONVEYED TO THE STATE OF CALIFORNIA;

98 829460

EXHIBIT B

LEGAL DESCRIPTION OF SCELAND

THENCE ALONG SAID SOUTHEASTERLY LINE THE FOLLOWING EIGHT (8) COURSES:

- (1) THENCE N. 09 DEGREES, 58' 49" E., A DISTANCE OF 264.04 FEET;
- (2) THENCE N. 48 DEGREES, 33' 35" E., A DISTANCE OF 106.99 FEET;
- (3) THENCE NORTHEASTERLY ALONG A CURVE CONCAVE NORTHWESTERLY, HAVING A RADIUS OF 172.00 FEET, THROUGH AN ANGLE OF 88 DEGREES 40' 03", AN ARC LENGTH OF 266.18 FEET (THE INITIAL RADIAL LINE BEARS S. 01 DEGREES 09' 54" E.);
- (4) THENCE N. 00 DEGREES, 10' 03" E., A DISTANCE OF 357.99 FEET;
- (5) THENCE N. 45 DEGREES, 09' 59" E., A DISTANCE OF 35.35 FEET;
- (6) THENCE S. 89 DEGREES, 49' 51" E., A DISTANCE OF 106.99 FEET;
- (7) THENCE N. 49 DEGREES, 38' 39" E., A DISTANCE OF 407.83 FEET;
- (8) THENCE N. 84 DEGREES 31' 51" E., A DISTANCE OF 661.57 FEET, TO THE POINT OF BEGINNING.

98 829460

EXHIBIT C

Description of Severed Property

All Improvements which are located on the Plant Land and constitute "Excluded Assets" under the Asset Sale Agreement, including without limitation those Improvements located on the Plant Land which are shown as to be owned by Seller on Schedules 2.2(a), 2.2(b) or 2.2(c) to the Asset Sale Agreement or the drawings attached thereto.

98 829460

EDR Environmental LienSearch™ Report

ENVIRONMENTAL LIEN EXHIBITS

APPENDIX D
EDR PROPERTY TAX MAP REPORT

AES Alamos Plant

690 North Studebaker Road
Long Beach, CA 90803

Inquiry Number: 3199383.8
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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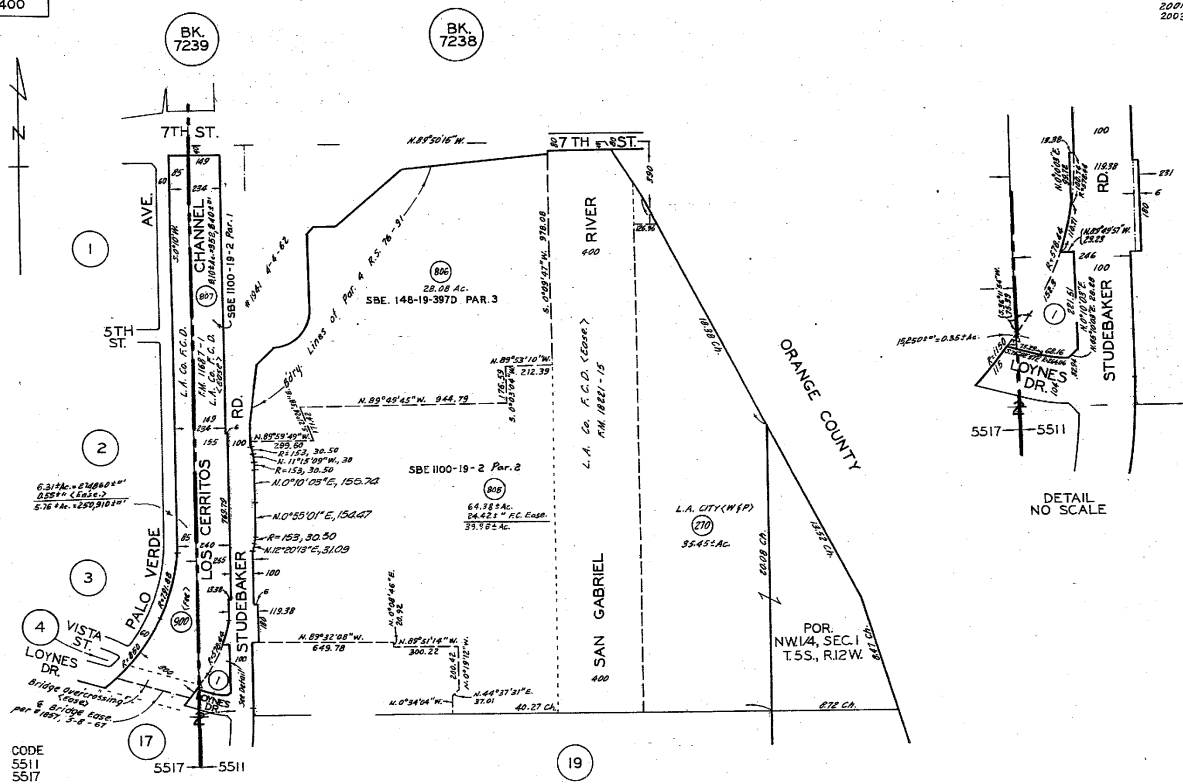
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7237 18

SCALE 1" = 400'

721215
730513.51
731001
1889022418005004-27
1889022418005004-27
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2003061606007001-30



MAPS NOS. 1 AND 2 OF PORTION OF RANCHO LOS ALAMITOS D.M. 700-138-141

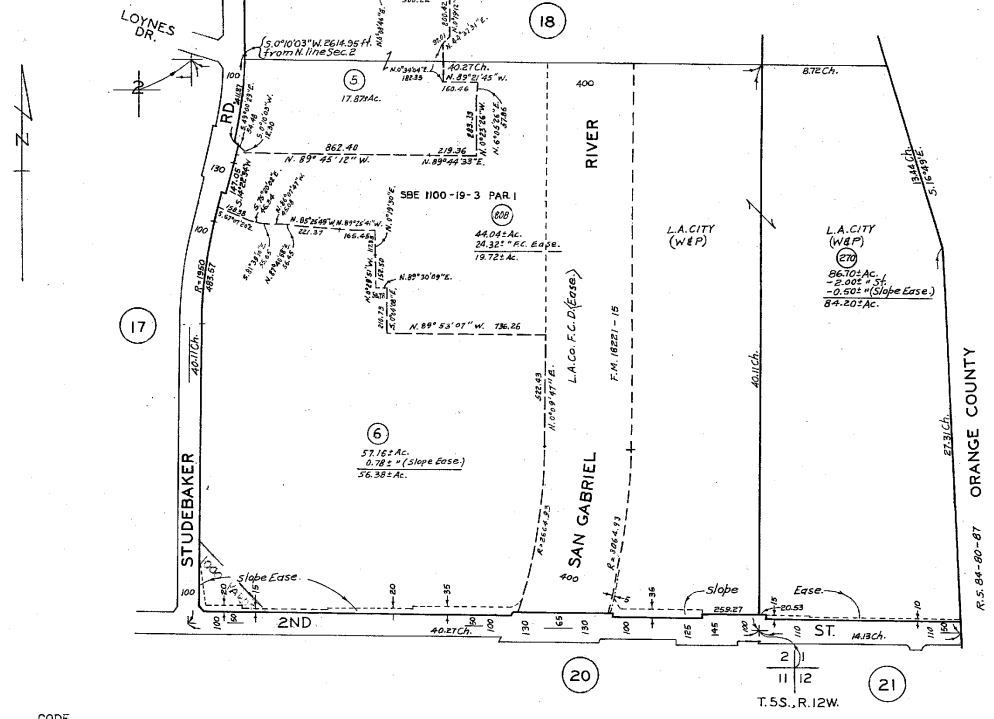
FOR PREV. ASSMT SEE: 7239-25 & 27

JUN 16 2003
ASSASSOR'S MAP
COUNTY OF LOS ANGELES, CALIF.

7237 19
SCALE 1" = 400'

2004

781215
730325
8806101006001-21
188022442006008-27
188022442006009-27
188022442006010-27
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2001053007004001-30
2002053007005001-30
2003061606008001-30
2004031707006001-30



MAPS NOS. 1 AND 2 OF PORTION OF RANCHO LOS ALAMITOS D.M. 700-138-141

FOR PREV. ASSMT SEE:
7239 - 27
7237 - 18

MAR 17 2004

ASSESSOR'S MAP
COUNTY OF LOS ANGELES, CALIF.

APPENDIX E
CERTIFIED SANBORN[®] MAP REPORT



AES Alamitos Plant

690 North Studebaker Road
Long Beach, CA 90803

Inquiry Number: 3199383.3
November 02, 2011

Certified Sanborn® Map Report

Certified Sanborn® Map Report

11/02/11

Site Name:

AES Alamitos Plant
690 North Studebaker Road
Long Beach, CA 90803

Client Name:

Env. Management Strategies
16510 Aston Street
Irvine, CA 92606-0000

EDR Inquiry # 3199383.3

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 Alamitos Plant
Address: 690 North Studebaker Road
City, State, Zip: Long Beach, CA 90803
Cross Street:
P.O. # EMS514
Project: AES Alamitos Plant
Certification # 817B-47EE-91E8



Sanborn® Library search results
Certification # 817B-47EE-91E8

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

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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APPENDIX F
EDR HISTORICAL TOPOGRAPHIC MAP REPORT



AES Alamitos Plant

690 North Studebaker Road
Long Beach, CA 90803

Inquiry Number: 3199383.4
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.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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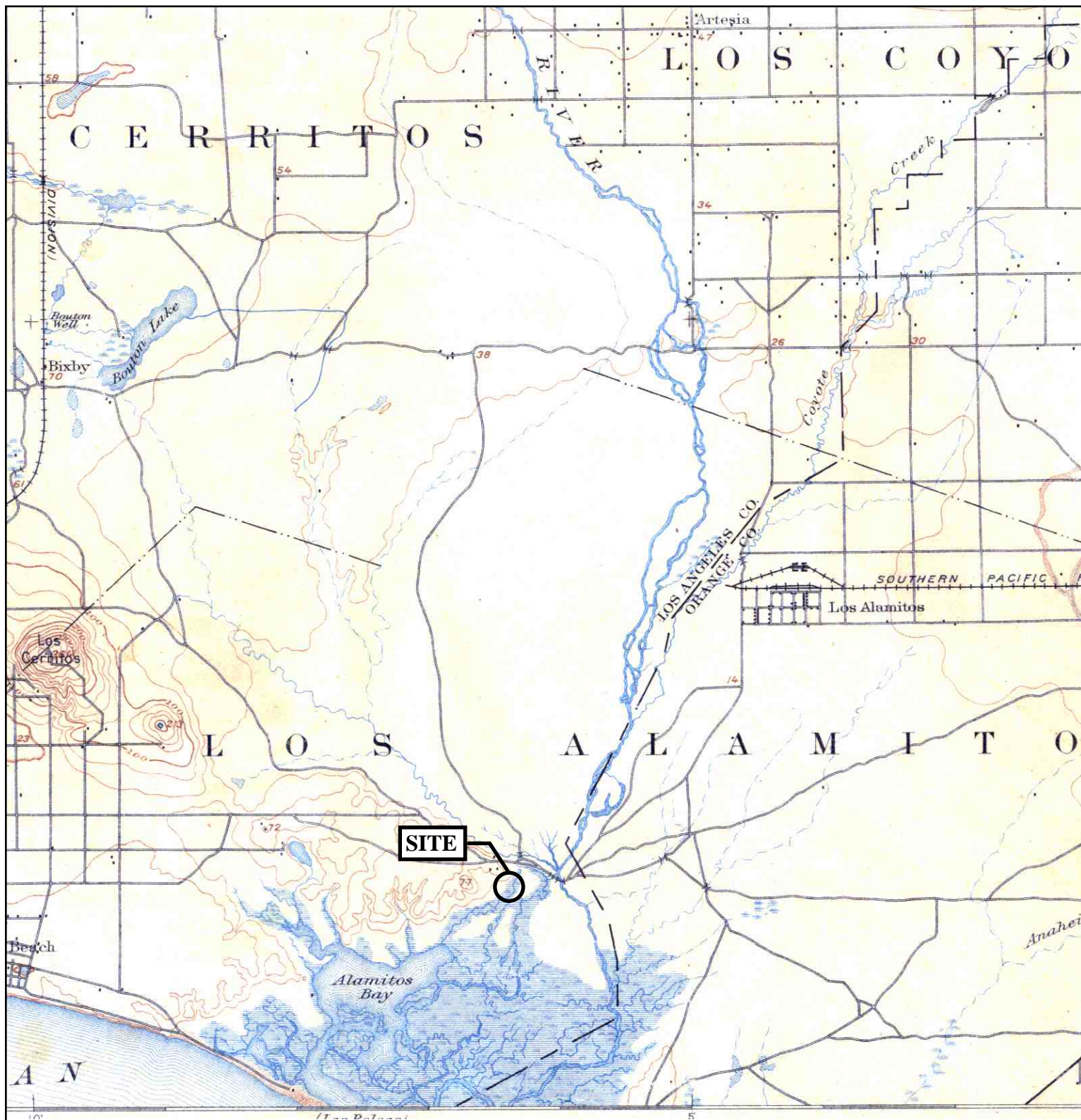
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Historical Topographic Map



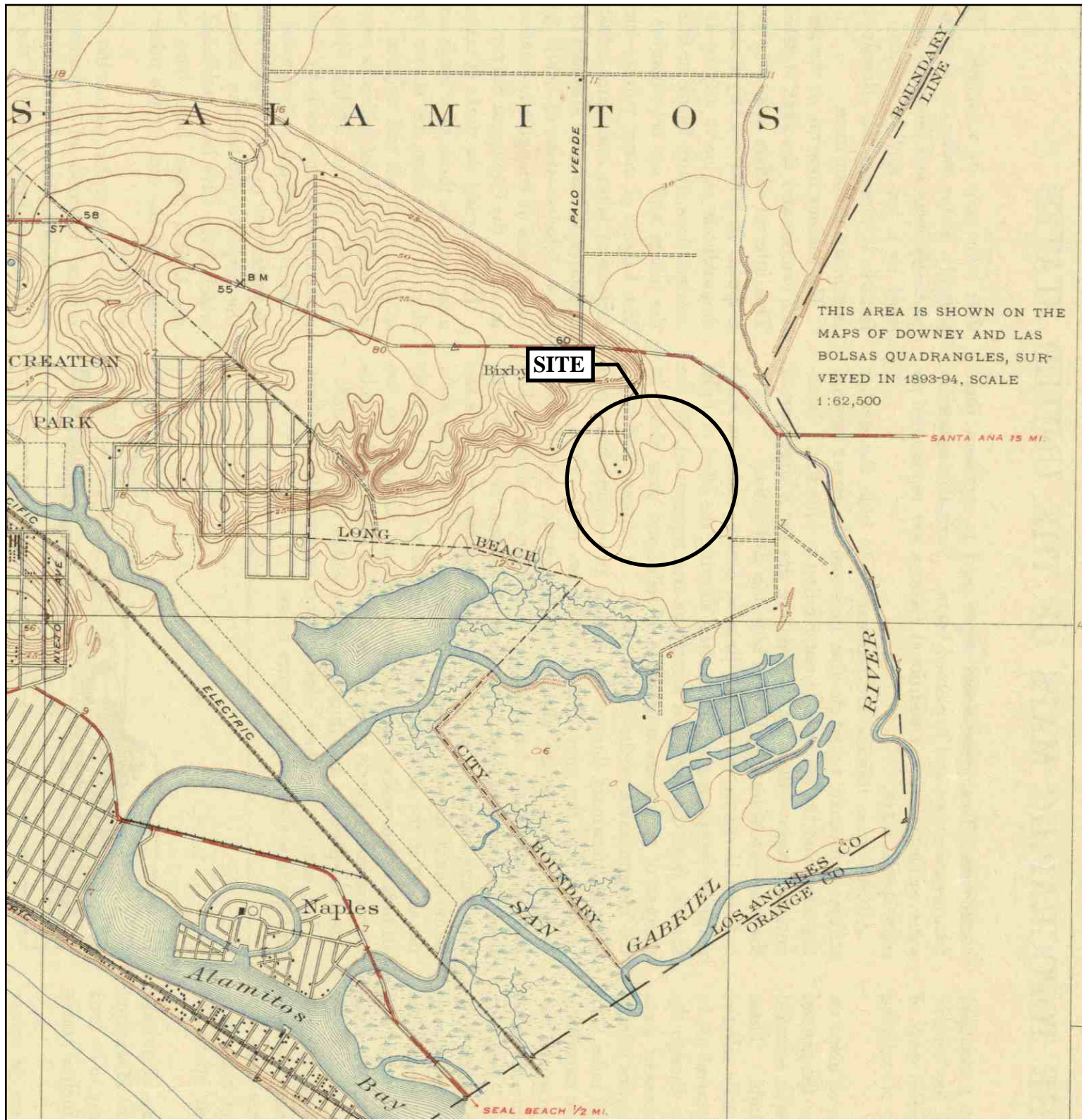
<p>N</p> 	TARGET QUAD	SITE NAME: AES Alamitos Plant	CLIENT: Env. Management Strategies
	NAME: SOUTHERN CA SHEET 1	ADDRESS: 690 North Studebaker Road	CONTACT: Mark Jirgal
	MAP YEAR: 1901	LONG BEACH, CA 90803	INQUIRY#: 3199383.4
	SERIES: 60	LAT/LONG: 33.7683 / -118.1007	RESEARCH DATE: 11/02/2011
	SCALE: 1:250000		


Historical Topographic Map



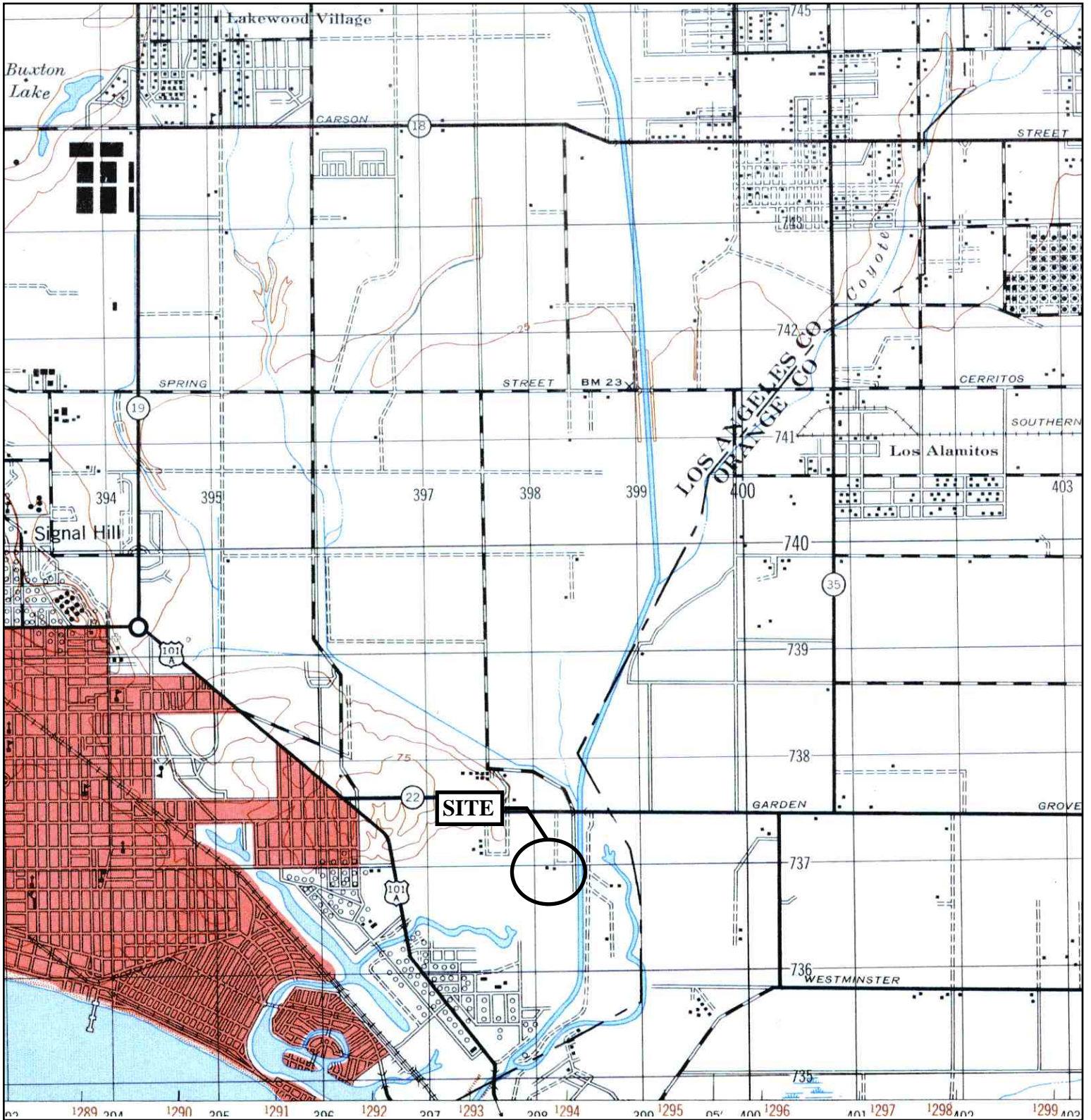
	TARGET QUAD NAME: DOWNEY MAP YEAR: 1902	SITE NAME: AES Alamitos Plant ADDRESS: 690 North Studebaker Road Long Beach, CA 90803 LAT/LONG: 33.7683 / -118.1007	CLIENT: Env. Management Strategies CONTACT: Mark Jirgal INQUIRY#: 3199383.4 RESEARCH DATE: 11/02/2011
	SERIES: 15 SCALE: 1:62500		

Historical Topographic Map



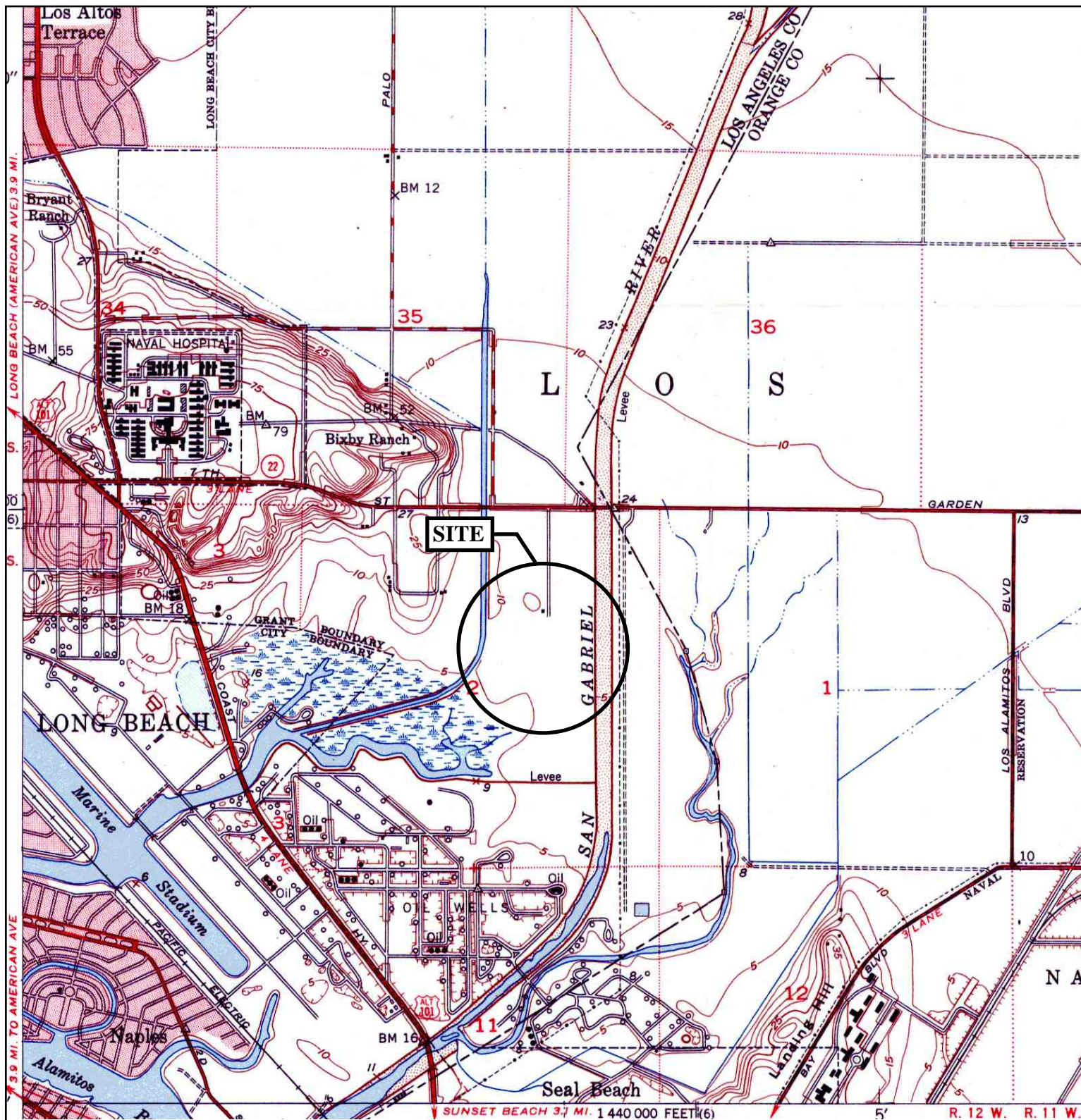
	TARGET QUAD NAME: LONG BEACH MAP YEAR: 1925	SITE NAME: AES Alamitos Plant ADDRESS: 690 North Studebaker Road Long Beach, CA 90803 LAT/LONG: 33.7683 / -118.1007	CLIENT: Env. Management Strategies CONTACT: Mark Jirgal INQUIRY#: 3199383.4 RESEARCH DATE: 11/02/2011
	SERIES: 7.5 SCALE: 1:24000		

Historical Topographic Map



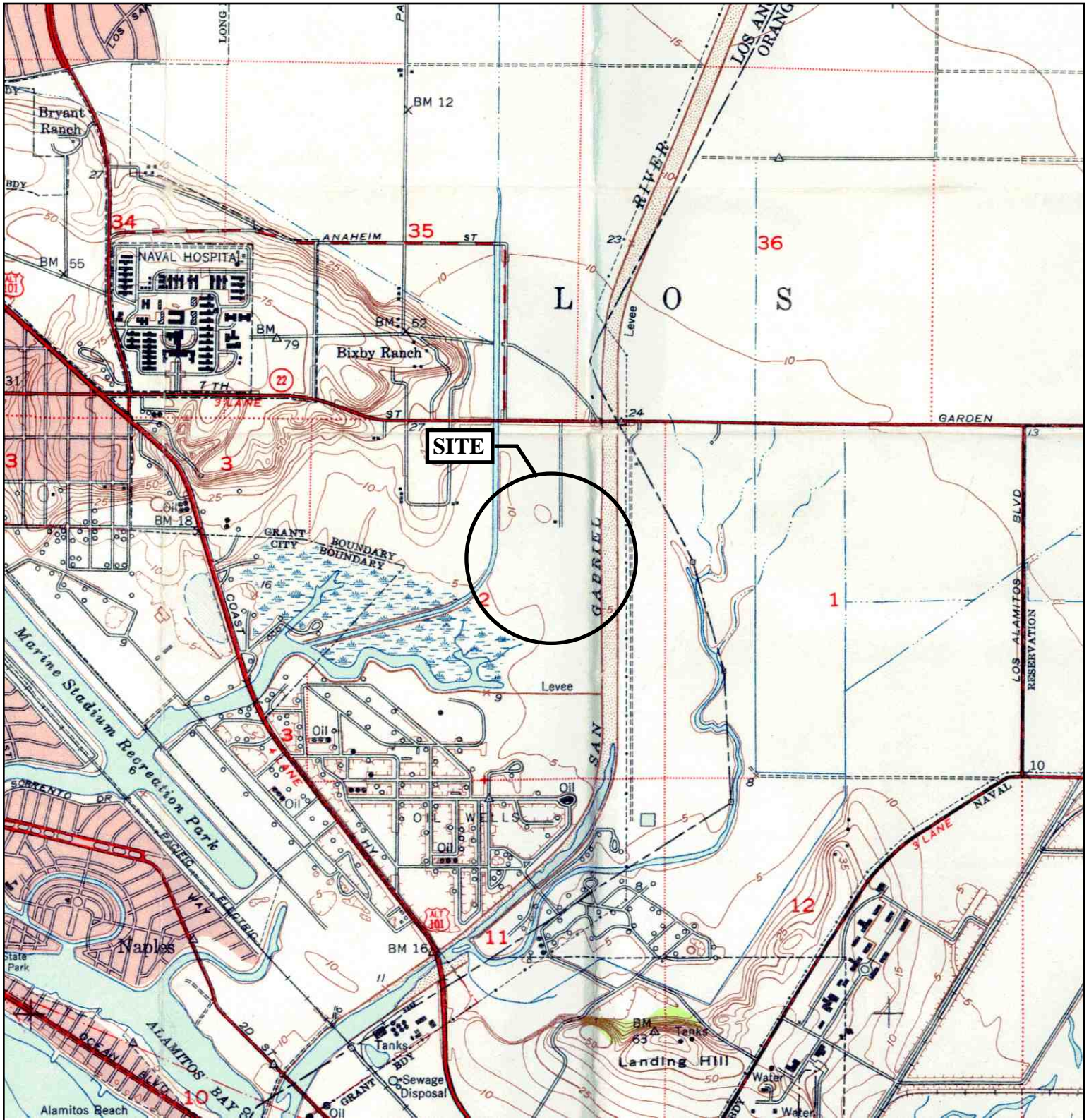
<p>N ↑</p>	<p>TARGET QUAD NAME: DOWNEY MAP YEAR: 1947</p>	<p>SITE NAME: AES Alamitos Plant ADDRESS: 690 North Studebaker Road Long Beach, CA 90803 LAT/LONG: 33.7683 / -118.1007</p>	<p>CLIENT: Env. Management Strategies CONTACT: Mark Jirgal INQUIRY#: 3199383.4 RESEARCH DATE: 11/02/2011</p>
	<p>SERIES: 15 SCALE: 1:50000</p>		

Historical Topographic Map



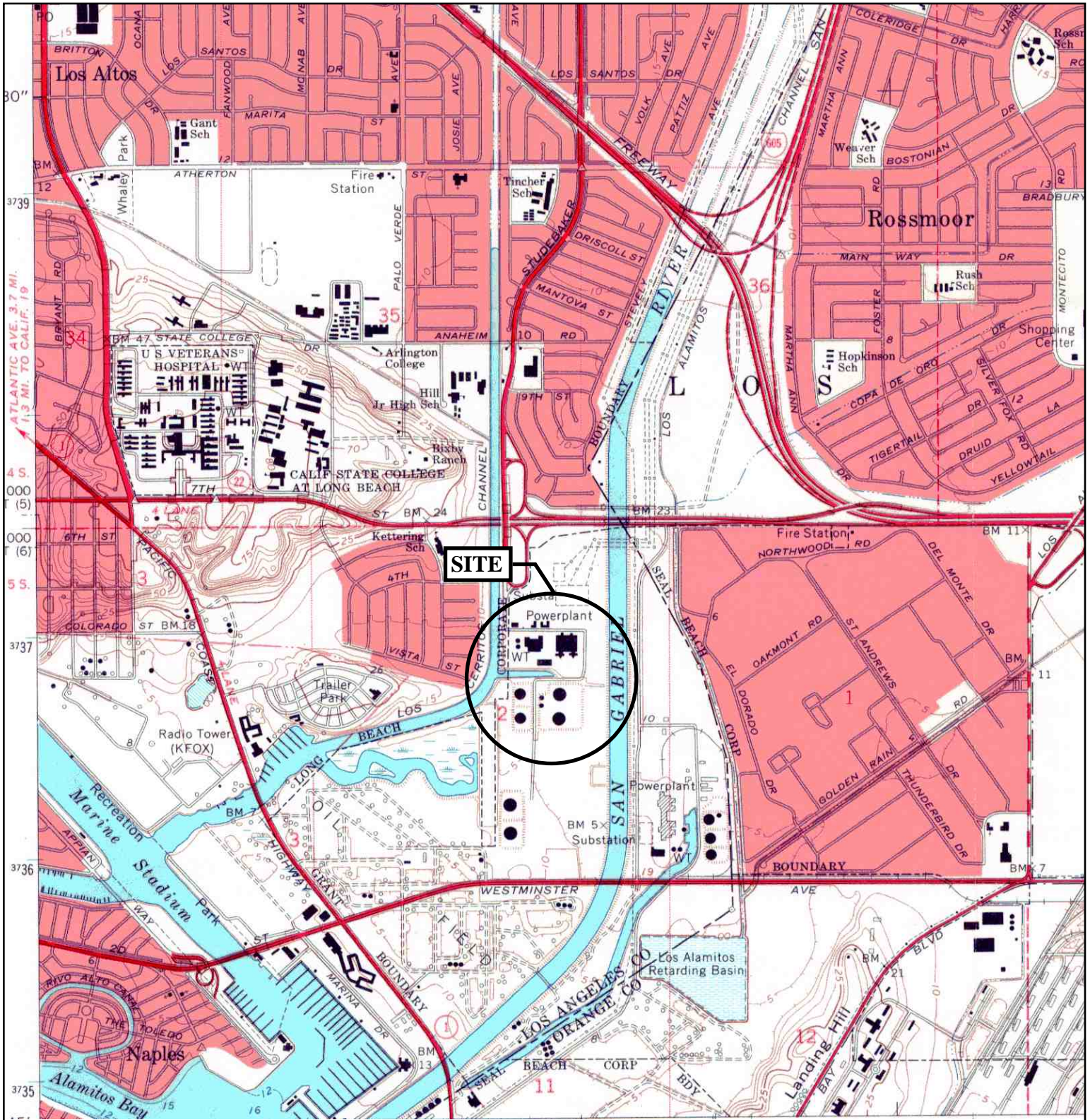
<p>N</p>	<p>TARGET QUAD</p> <p>NAME: LOS ALAMITOS</p> <p>MAP YEAR: 1950</p>	<p>SITE NAME: AES Alamitos Plant</p> <p>ADDRESS: 690 North Studebaker Road Long Beach, CA 90803</p> <p>LAT/LONG: 33.7683 / -118.1007</p>	<p>CLIENT: Env. Management Strategies</p> <p>CONTACT: Mark Jirgal</p> <p>INQUIRY#: 3199383.4</p> <p>RESEARCH DATE: 11/02/2011</p>
	<p>SERIES: 7.5</p> <p>SCALE: 1:24000</p>		

Historical Topographic Map



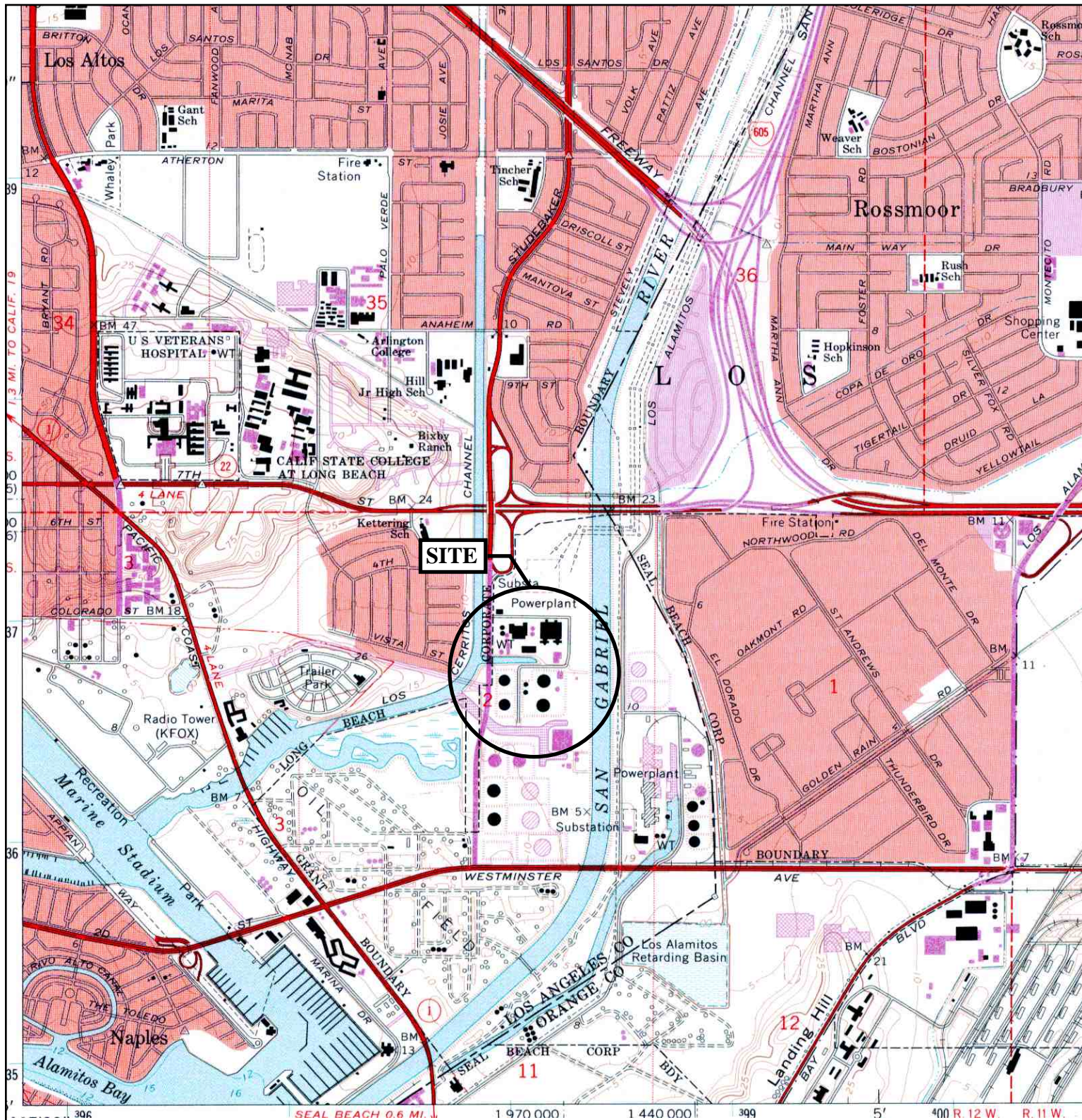
<p>N</p>	TARGET QUAD	SITE NAME: AES Alamitos Plant	CLIENT: Env. Management Strategies
	NAME: LONGBEACH VICINITY 10F3	ADDRESS: 690 North Studebaker Road Long Beach, CA 90803	CONTACT: Mark Jirgal
	MAP YEAR: 1951	LAT/LONG: 33.7683 / -118.1007	INQUIRY#: 3199383.4
	SERIES: 7.5		RESEARCH DATE: 11/02/2011
	SCALE: 1:24000		

Historical Topographic Map



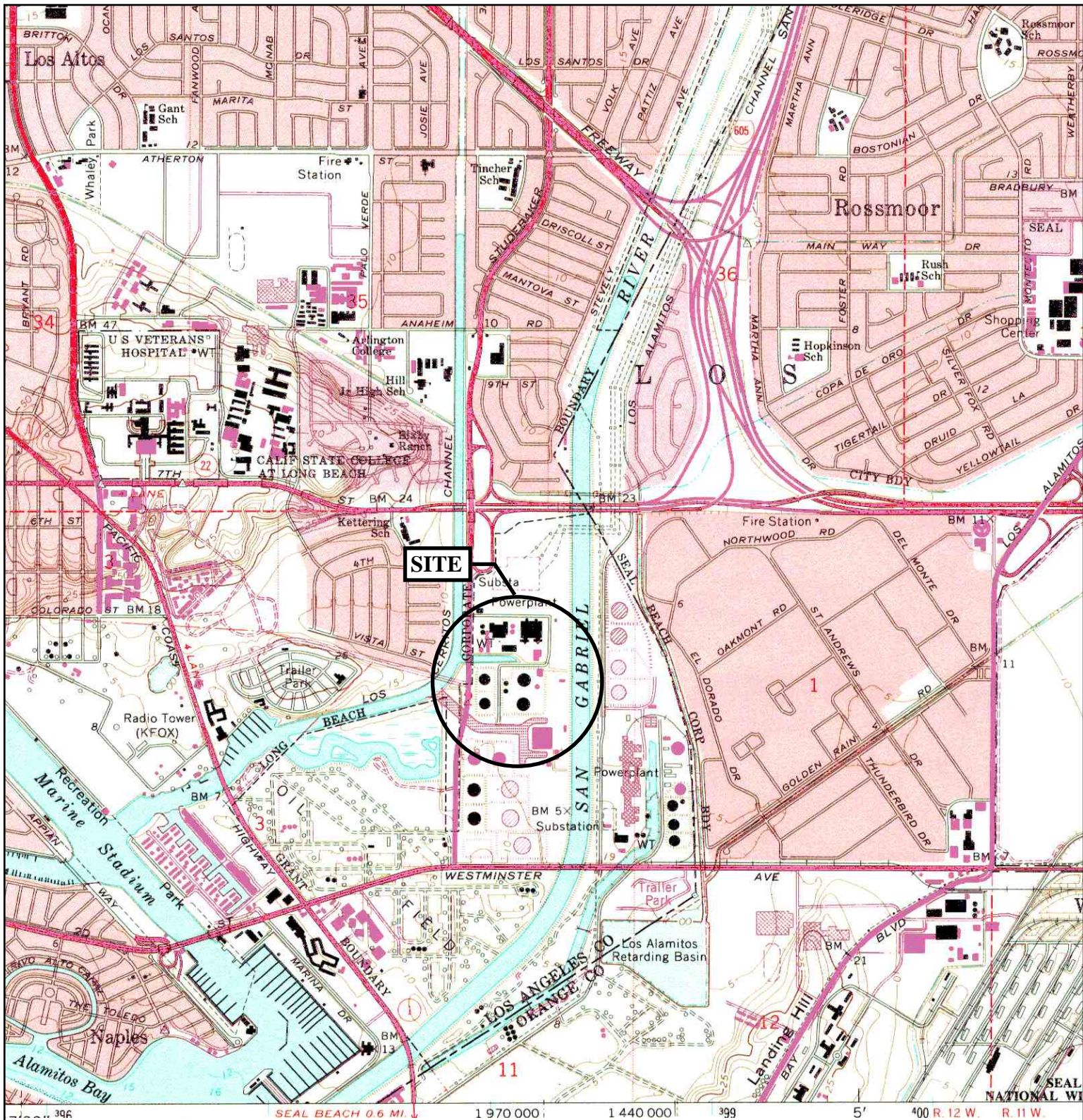
<p>N ↑</p>	<p>TARGET QUAD NAME: LOS ALAMITOS MAP YEAR: 1964</p>	<p>SITE NAME: AES Alamos Plant ADDRESS: 690 North Studebaker Road Long Beach, CA 90803 LAT/LONG: 33.7683 / -118.1007</p>	<p>CLIENT: Env. Management Strategies CONTACT: Mark Jirgal INQUIRY#: 3199383.4 RESEARCH DATE: 11/02/2011</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>		

Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME: AES Alamitos Plant	CLIENT: Env. Management Strategies
	NAME: LOS ALAMITOS	ADDRESS: 690 North Studebaker Road	CONTACT: Mark Jirgal
	MAP YEAR: 1972	Long Beach, CA 90803	INQUIRY#: 3199383.4
	PHOTOREVISED: 1964	LAT/LONG: 33.7683 / -118.1007	RESEARCH DATE: 11/02/2011
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME:	AES Alamitos Plant	CLIENT:	Env. Management Strategies
	NAME: LOS ALAMITOS	ADDRESS:	690 North Studebaker Road	CONTACT:	Mark Jirgal
	MAP YEAR: 1981		Long Beach, CA 90803	INQUIRY#:	3199383.4
	PHOTOREVISED: 1964	LAT/LONG:	33.7683 / -118.1007	RESEARCH DATE:	11/02/2011
	SERIES: 7.5				
	SCALE: 1:24000				

APPENDIX G

EDR AERIAL PHOTO DECADE PACKAGE



AES Alamitos Plant

690 North Studebaker Road
Long Beach, CA 90803

Inquiry Number: 3199383.5

November 03, 2011

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

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

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Date EDR Searched Historical Sources:

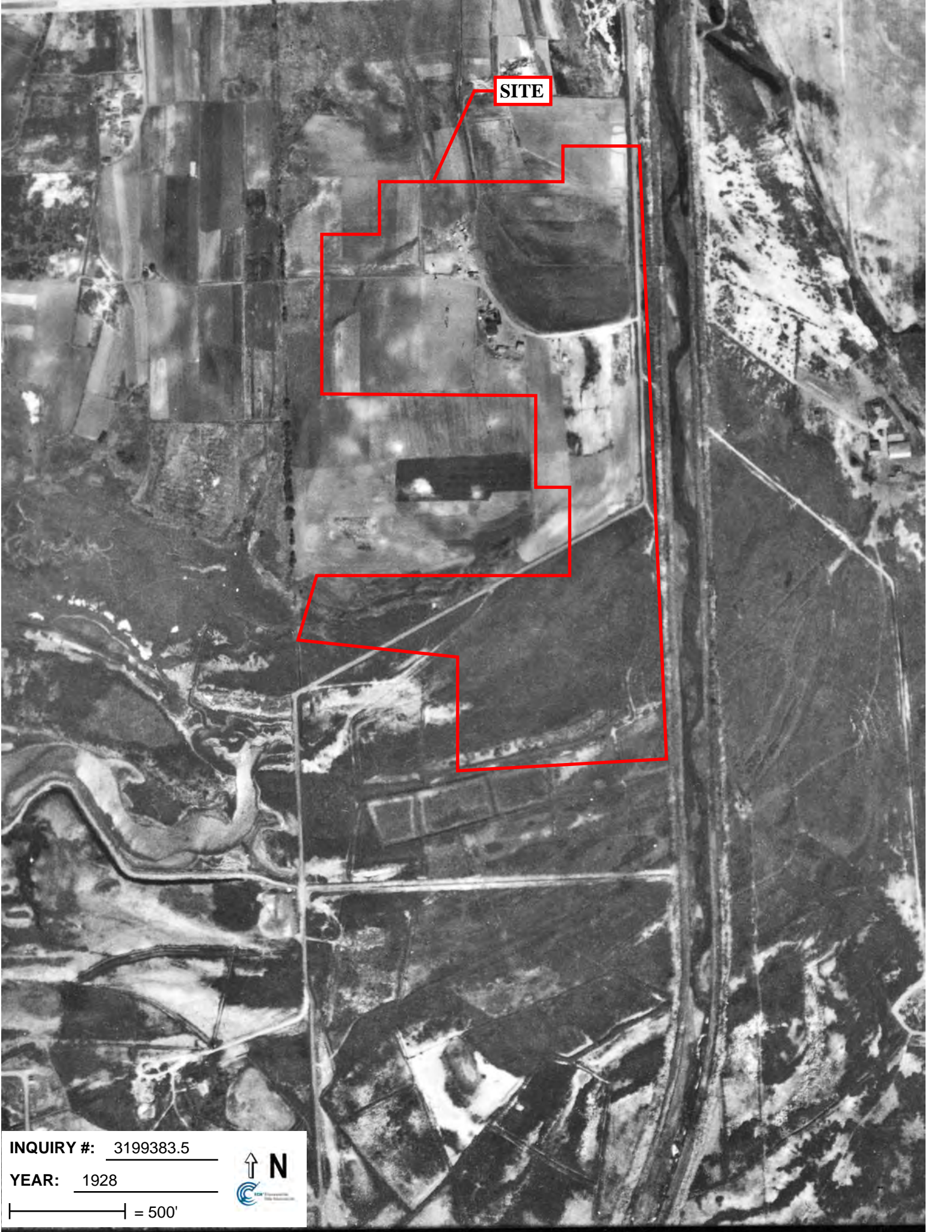
Aerial Photography November 03, 2011

Target Property:

690 North Studebaker Road

Long Beach, CA 90803

<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
1968	Aerial Photograph. Scale: 1"=480'	Flight Year: 1968	Teledyne
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



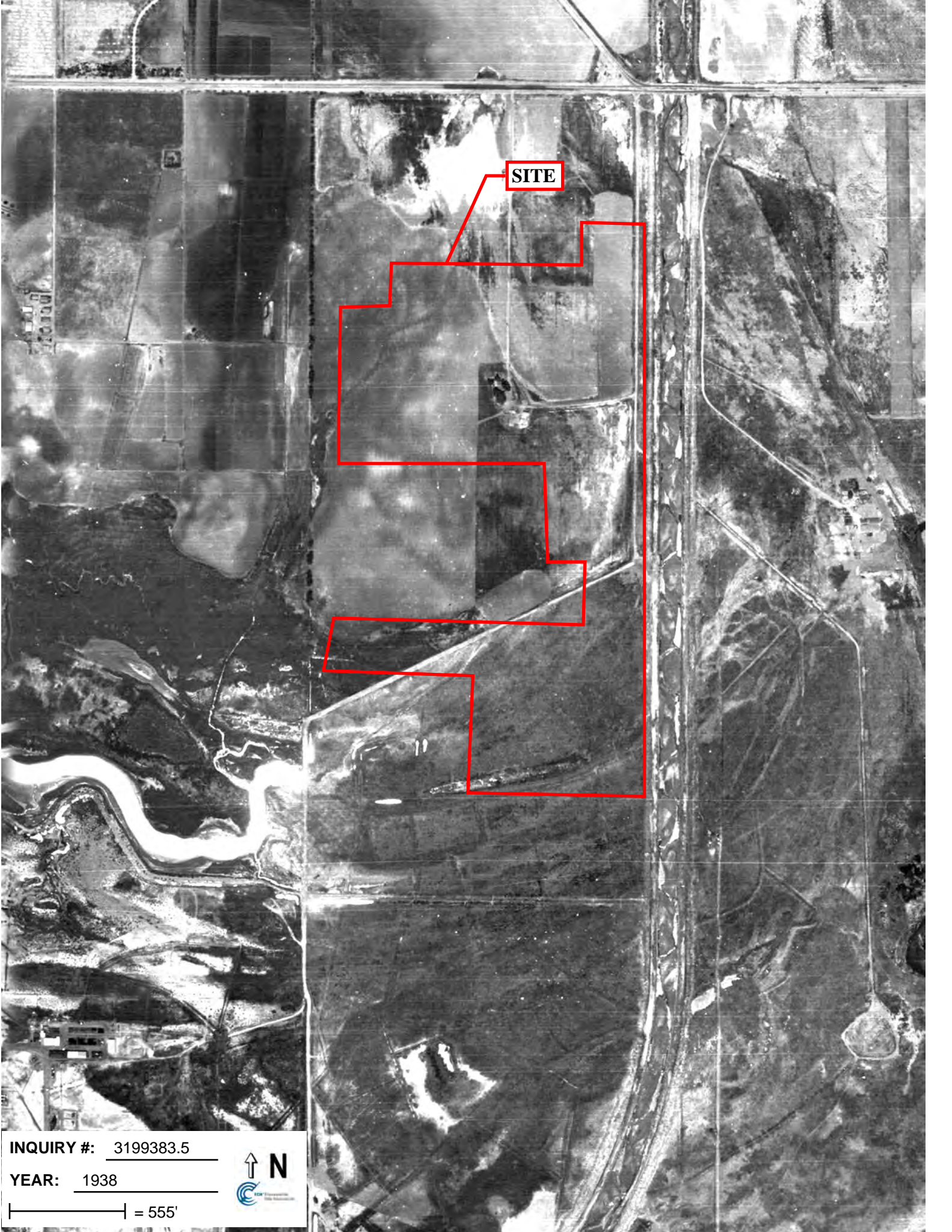
SITE

INQUIRY #: 3199383.5

YEAR: 1928

| = 500'





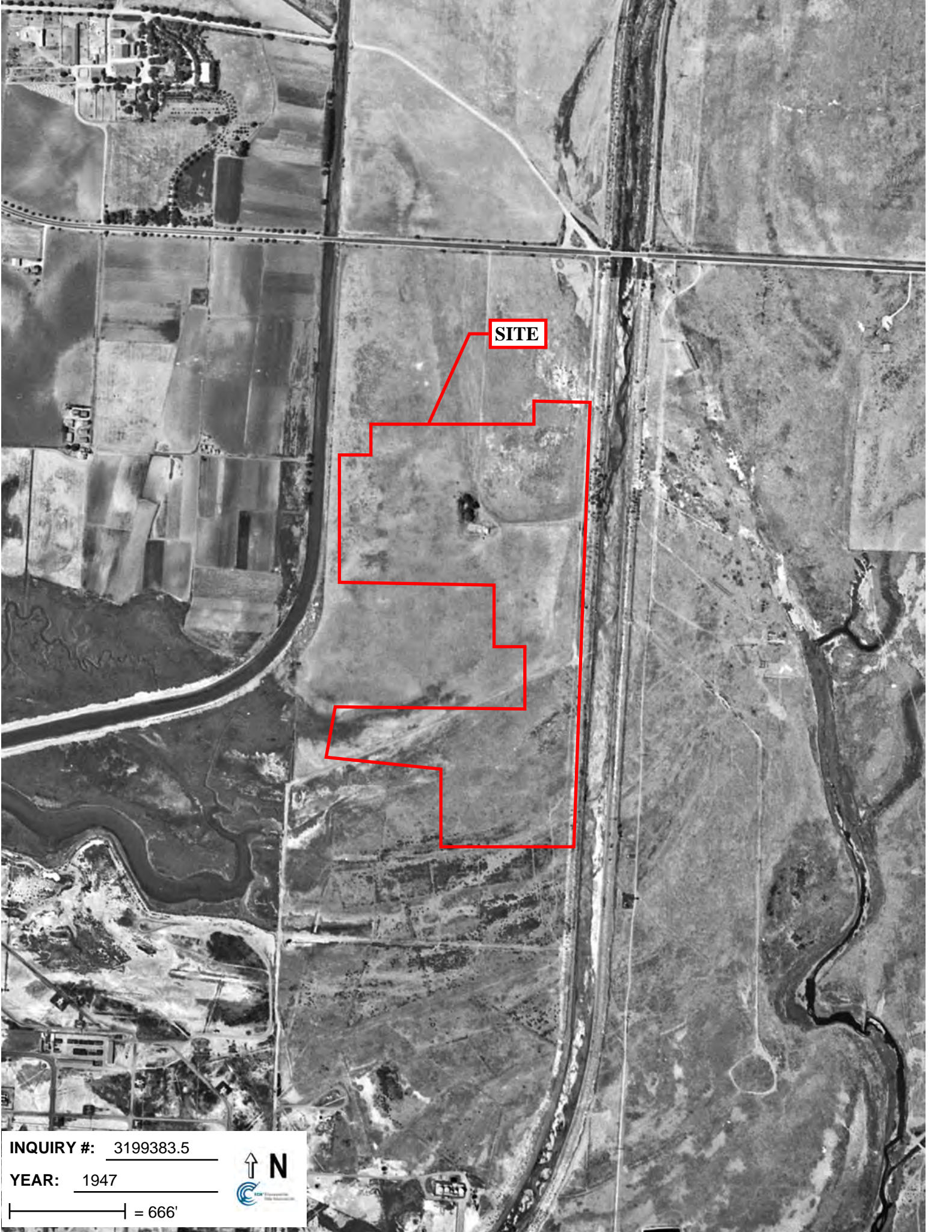
SITE

INQUIRY #: 3199383.5

YEAR: 1938

| = 555'





SITE

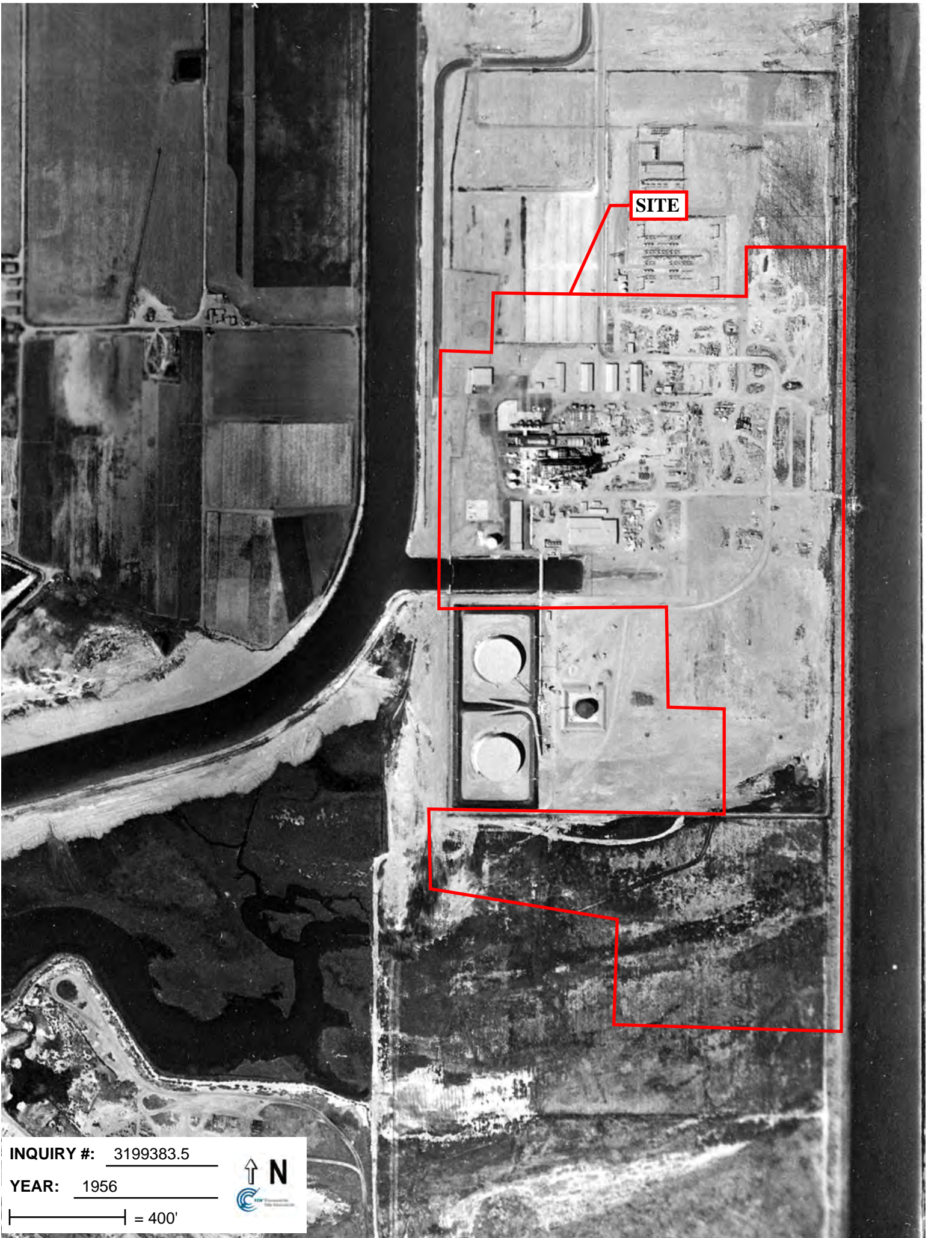
INQUIRY #: 3199383.5

YEAR: 1947



| = 666'





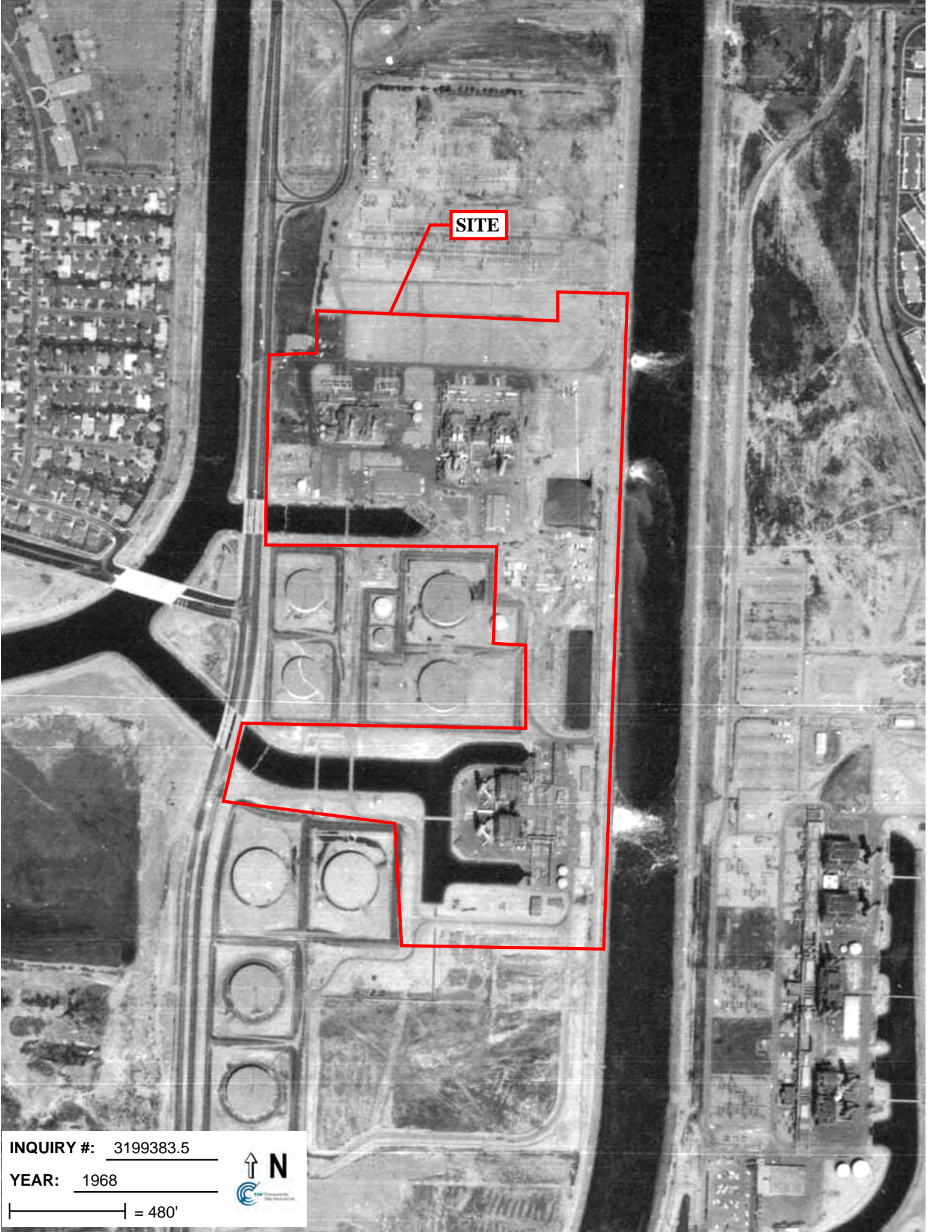
SITE

INQUIRY #: 3199383.5

YEAR: 1956

| = 400'





SITE

INQUIRY #: 3199383.5

YEAR: 1968

| = 480'





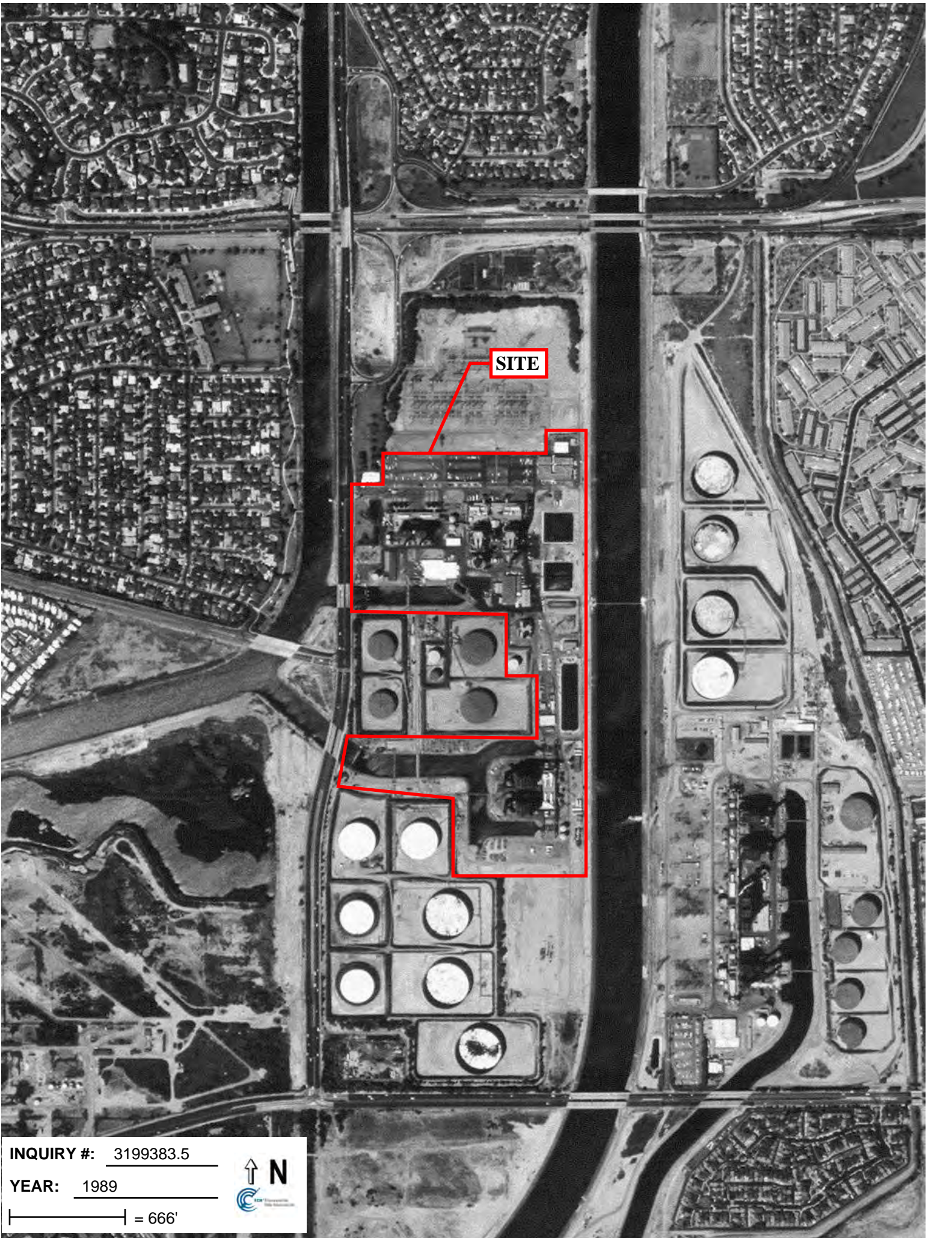
SITE

INQUIRY #: 3199383.5

YEAR: 1976



| = 666'



SITE

INQUIRY #: 3199383.5

YEAR: 1989

| = 666'





SITE

INQUIRY #: 3199383.5

YEAR: 1994

| = 500'





SITE

INQUIRY #: 3199383.5

YEAR: 2005

| = 500'



APPENDIX H
EDR CITY DIRECTORY ABSTRACT

AES Alamitos Plant

690 North Studebaker Road
Long Beach, CA 90803

Inquiry Number: 3199383.6
November 02, 2011

The EDR-City Directory Abstract

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

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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, Inc.	X	X	X	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	-	-	-
2000	Haines	X	X	X	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
1990	Pacific Bell	-	-	-	-
1986	Pacific Bell	-	-	-	-
1985	Pacific Bell	-	X	X	-
1981	Pacific Telephone	-	-	-	-
1980	Pacific Telephone	-	X	X	-
1976	Pacific Telephone	-	-	-	-
1975	Pacific Telephone	-	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	-	-	-
1970	GTE	-	-	-	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	-	-	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1963	Pacific Telephone	-	-	-	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1962	Pacific Telephone	-	-	-	-
1961	Luskey Brothers & Co	-	-	-	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	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.	-	-	-	-
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.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
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.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
400 North Studebaker Road	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

690 North Studebaker Road
Long Beach, CA 90803

FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	AESALAMITOS	Haines Company, Inc.
	WNTER	Haines Company, Inc.
2000	XXXX	Haines
1964	FISHER MONTGOMERY ROSS INC	Pacific Telephone
	SOUTHERN CALIFORNIA EDISON CO ALAMITOS STEAM STN	Pacific Telephone
1960	SO CALIF EDISON CO OTHER DEPARTMENTS	Pacific Telephone
1957	SO CALIF EDISON CO OTHER DEPARTMENTS	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

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

E 7TH ST

6492 E 7TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	FALARDO M L	Pacific Telephone
1954	FAARDO M L	R. L. Polk & Co.
1950	BERNABE A L R	Pacific Telephone
	FAJARDO MI L R	Pacific Telephone

6494 E 7TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1954	MARQUES J R	R. L. Polk & Co.
1950	MARQUES J R	Pacific Telephone

6496 E 7TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1957	YANO SEVERA MRS	Pacific Telephone
1954	YORO SEVERA MRS	R. L. Polk & Co.
1950	YORO SEVERA MRS	Pacific Telephone

E SURREY DR

6474 E SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	BALIWAGMano	Haines Company, Inc.
1980	Anderson Edw	Pacific Telephone

6476 E SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	NESSIMMaged	Haines Company, Inc.
1985	GREENSTEIN P	Pacific Bell

6480 E SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a KINSBURSKYShridee	Haines Company, Inc.

FINDINGS

6481 E SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Haines Company, Inc.

6484 E SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	VOHRAGan	Haines Company, Inc.

6485 E SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	FRIZZELL Donald	Haines Company, Inc.

6488 E SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a WEBBENDonna	Haines Company, Inc.
	HAVERFIELD Theresa	Haines Company, Inc.

6489 E SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	o SINGHHerlasbander	Haines Company, Inc.

6490 E SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	ANDRAWES Louis	Haines Company, Inc.

N STUDEBAKER RD

698 N STUDEBAKER RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	+STUDEBAKERSELF	Haines Company, Inc.
	STORAGE	Haines Company, Inc.

STUDEBAKER RD

605 STUDEBAKER RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	Of	Pacific Bell

698 STUDEBAKER RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	T & T Growers nurseries	Pacific Bell
	Meadowland	Pacific Bell

FINDINGS

STUDEBAKER RD N

698 STUDEBAKER RD N

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	X 9TH E	Haines
	XXXX	Haines

SURREY DR

6474 SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Anderson Edw	Pacific Bell
1975	Anderson Edw	Pacific Telephone

6476 SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Jacobs P	Pacific Bell
	Greenstein P	Pacific Bell
1980	Jacobs P	Pacific Telephone
	Greenstein P	Pacific Telephone
1975	Jacobs P	Pacific Telephone

6477 SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Lazzar Mortimer & Miriam G	Pacific Telephone
1975	Lazzar Mortimer	Pacific Telephone

6480 SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Rowe Paul L	Pacific Bell
1980	Rowe Paul L	Pacific Telephone
1975	Rowe Paul L	Pacific Telephone

6481 SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1975	Arluk Irwin Dr	Pacific Telephone

6485 SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Du Mars Bert	Pacific Telephone
	Dumars Jac	Pacific Telephone

FINDINGS

6488 SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1980	Huh K MD Inc	Pacific Telephone
	Huh Lisa	Pacific Telephone
	Huh Han	Pacific Telephone
1975	Huh Han	Pacific Telephone

6490 SURREY DR

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Rastello Gerard M	Pacific Bell
1980	Rastello Gerard M	Pacific Telephone
1975	Rastello Gerard M	Pacific Telephone

SURREY DR E

6474 SURREY DR E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	BALIWAG Mario	Haines

6476 SURREY DR E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	NESSIM Maged	Haines

6477 SURREY DR E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	LAZZAR Mortimer	Haines

6480 SURREY DR E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	ROWE Wilhemina	Haines
	ROWE Paul	Haines

6484 SURREY DR E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	VOHRA Gani	Haines

6485 SURREY DR E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	OHATA Ronald	Haines

FINDINGS

6488 SURREY DR E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	HAVERFIELD Theresa	Haines
	WEBBEN Donna	Haines

6489 SURREY DR E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	VASILOMANOLA E	Haines

6490 SURREY DR E

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	ANDRAWES Louis	Haines
	RASTELLO Gerard M	Haines
	RASTELLO Gerard M	Haines
	BUS 22 RES 7 NEW	Haines

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

690 North Studebaker Road

Address Not Identified in Research Source

2004, 2003, 2001, 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

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

400 North Studebaker Road

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, 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

605 STUDEBAKER RD

2006, 2004, 2003, 2001, 2000, 1999, 1996, 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

6474 E SURREY DR

2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 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

6474 SURREY DR

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, 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

6474 SURREY DR E

2006, 2004, 2003, 2001, 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

6476 E SURREY DR

2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 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

6476 SURREY DR

2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1985, 1981, 1976, 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

FINDINGS

Address Researched

Address Not Identified in Research Source

6494 E 7TH ST

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, 1957, 1956, 1955, 1952, 1951, 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

6496 E 7TH ST

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, 1952, 1951, 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

698 N STUDEBAKER RD

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

698 STUDEBAKER RD

2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 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

698 STUDEBAKER RD N

2006, 2004, 2003, 2001, 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 Alamitos Plant

690 North Studebaker Road
Long Beach, CA 90803

Inquiry Number: 3199383.11
November 02, 2011

EDR Building Permit Report

Target Property and Adjoining Properties

EDR Building Permit Report: Search Documentation

11/02/11

Site Name:

AES Alamitos Plant
690 North
Long Beach, CA 90803

Client Name:

Env. Management Strategies
16510 Aston Street
Irvine, CA 92606-0000

EDR Inquiry # 3199383.11

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 (Long 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.

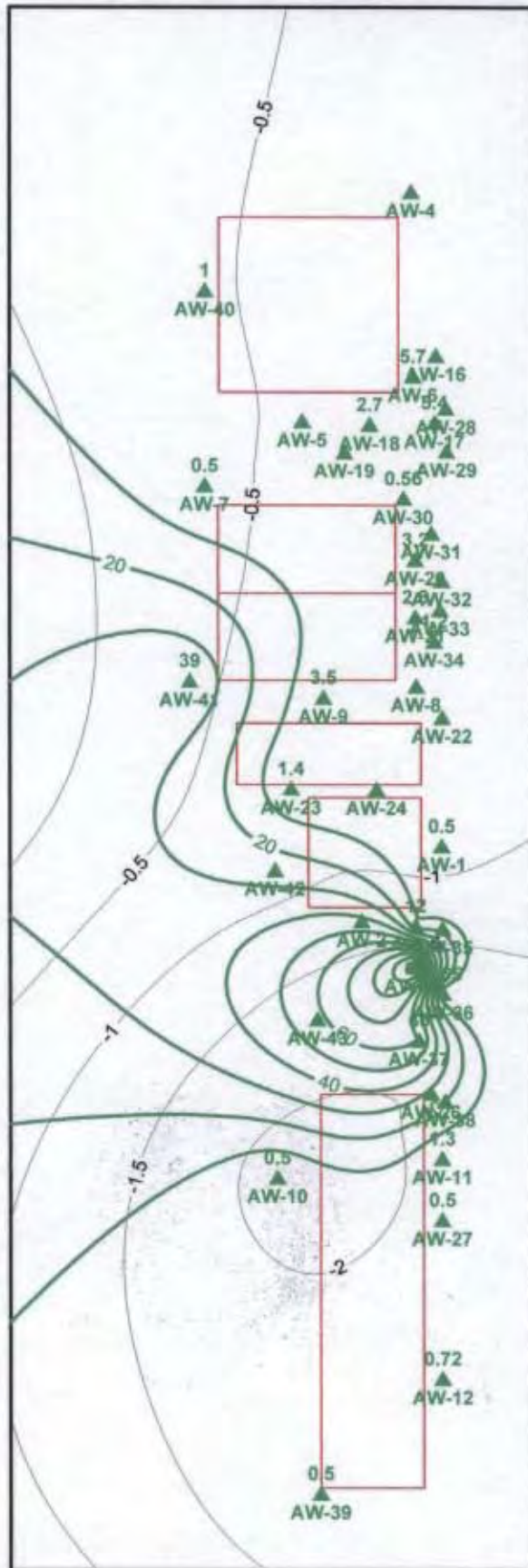
Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality 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

1,4-Dioxane Isoconcentration Plot Groundwater Gradient -- 12/7/10 Alamitos Generating Station



▲ Location of Groundwater Sampling Wells
1,4-Dioxane Concentration Shown on the Left

PQL = 0.5 ug/l

1,4-Dioxane Contour Interval = 10 ug/l

□ Retention Basin

Contour Interval = 0.5 feet

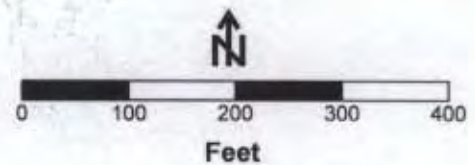


Figure 12

Location of Groundwater Monitoring Wells Alamitos Generating Station

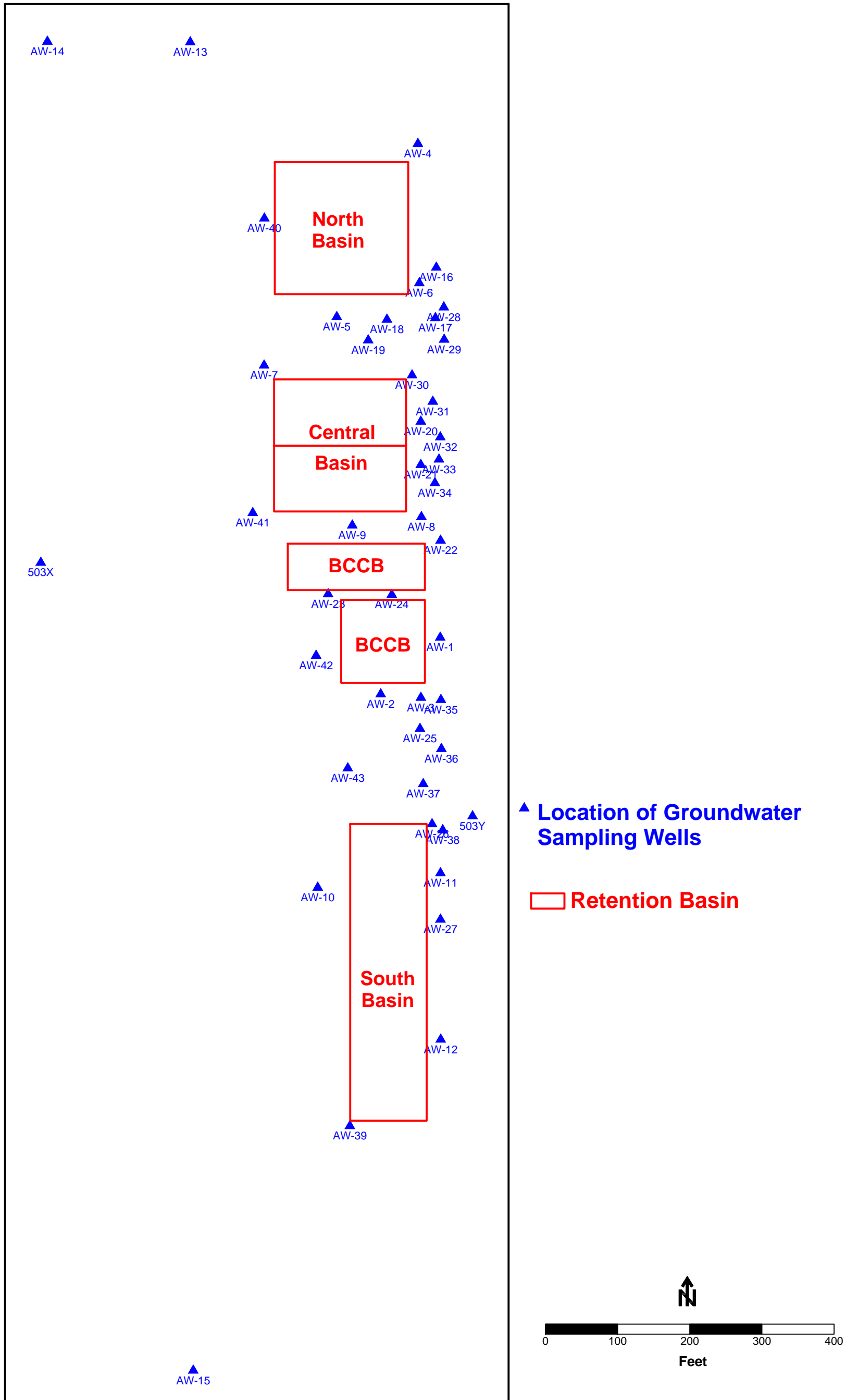


Figure 3

Groundwater Gradient -- 6/7/11 Alamitos Generating Station

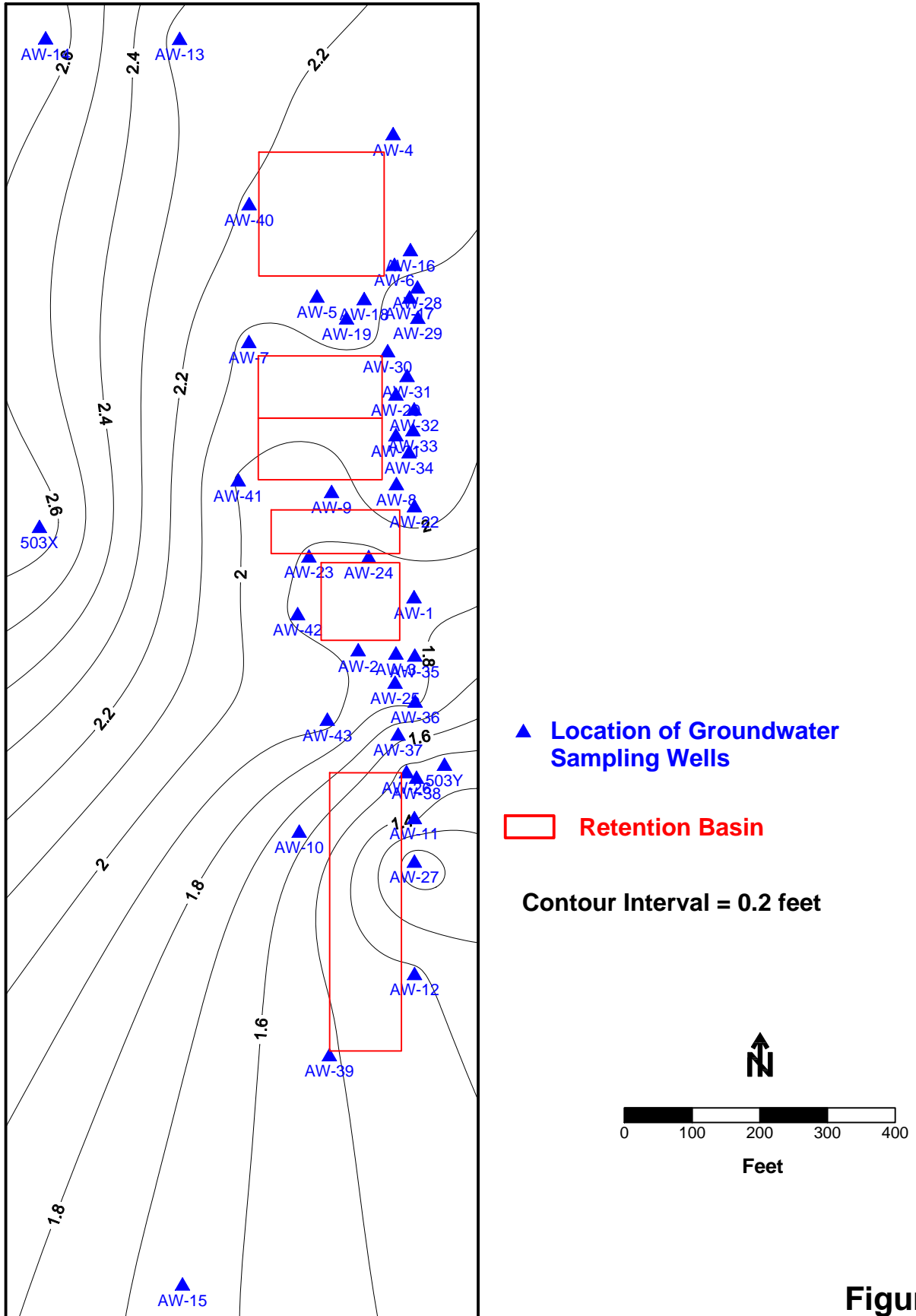


Figure 5

Groundwater Gradient -- 9/18/11 Alamitos Generating Station

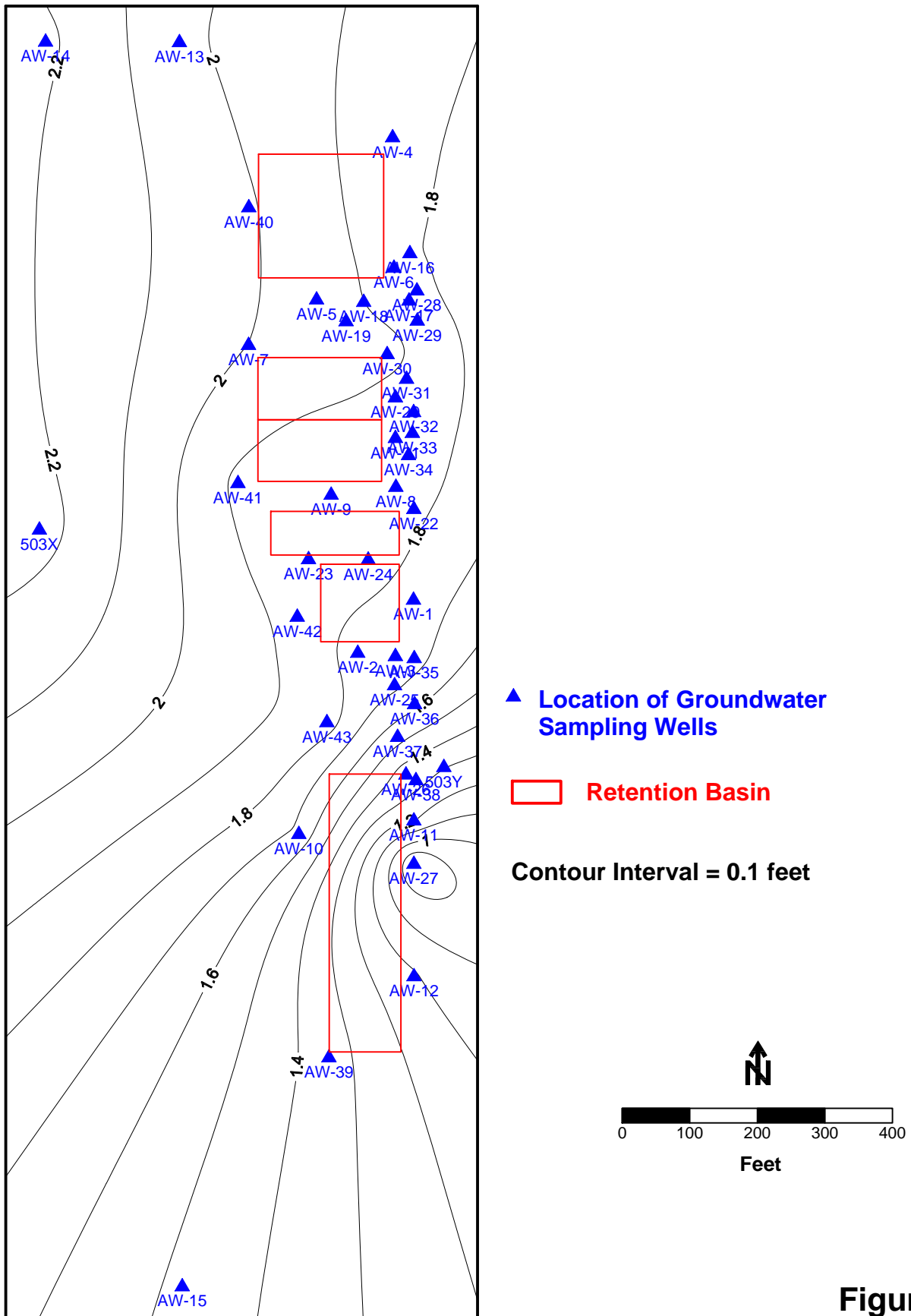


Figure 6

Groundwater Gradient -- 9/4/12 Alamitos Generating Station

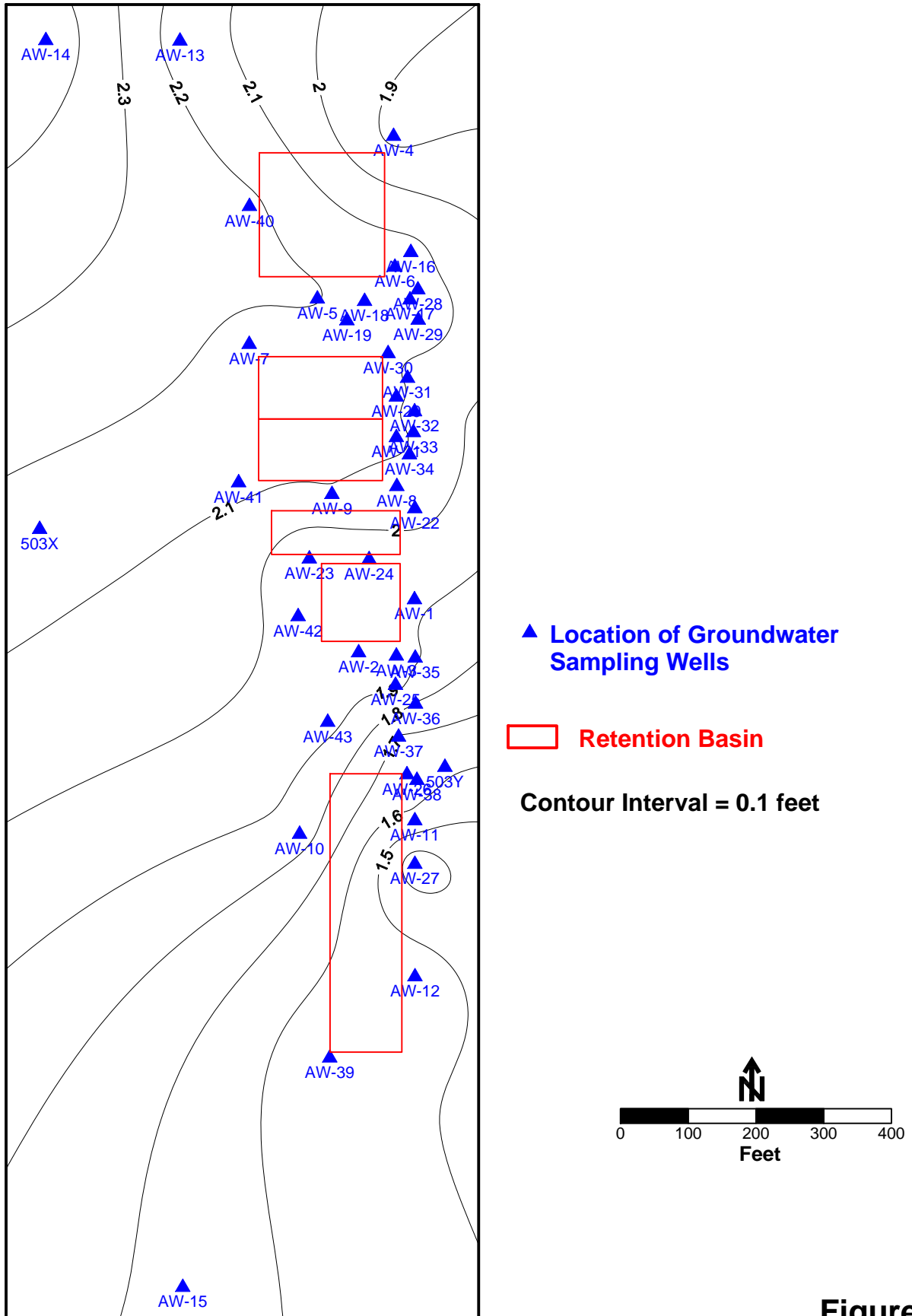


Figure 4

Table 6

**Quarterly Sampling -- Constituents of Concern
Central Basin -- Alamitos Generating Station**

Parameter	Well ID		AW-33													
	Date		6/01		9/01	12/01	3/02	6/02	9/02	12/02	3/03		6/03	9/03	1/04	3/04
	Units	PQL		PQL								PQL				
Antimony	ug/L	6	ND	5	ND	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	ND
Arsenic	ug/L	5	ND	2	ND	ND	ND	3.4	3	2.3	ND	2	ND	3.7	2.4	2
Barium	ug/L	20	240	1	140	81	51	73	84	37	81	1	87	50	32	43
Beryllium	ug/L	1	ND	0.3	0.51	ND	ND	ND	0.3	ND	ND	0.3	ND	ND	ND	ND
Cadmium	ug/L	1	1.2	0.5	1.4	ND	ND	ND	0.51	ND	ND	0.5	0.75	ND	ND	ND
Chromium, Total	ug/L	5	7.2	4	84	88	8.9	27	69	5.8	17	4	20	22	13	240
Cobalt	ug/L	7	21	0.2	59	27	10	15	27	2.6	12	0.2	33	7.5	0.78	2
Copper	ug/L	5	ND	2	ND	6.7	3.9	2.1	6	ND	2.2	2	12	4.4	ND	3.5
Lead	ug/L	5	ND	1	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Molybdenum	ug/L	8	9.9	1	6.7	8.6	6.6	5.8	5.7	5.4	17	1	7	5.8	4.9	7.8
Nickel	ug/L	5	70	2	350	300	110	270	390	14	150	2	240	51	3.3	21
Selenium	ug/L	5	ND	2	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND
Silver	ug/L	1	ND	0.5	ND	ND	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Thallium	ug/L	1	ND	0.5	ND	ND	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Vanadium	ug/L	10	ND	5	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND
Zinc	ug/L	50	ND	10	37	14	ND	14	23	ND	ND	10	22	ND	ND	ND
pH	Units		6.8		6.5	6.6	6.7	6.6	6.5	6.8	6.6		6.4	6.6	7.1	7.0
TDS	mg/L	1	17,000	10	12,000	11,000	6,200	9,700	12,000	2,800	7,000	10	12,000	6,000	2,100	2,900
Chloride	mg/L	20	2,700	200	4,600	3,900	2,300	2,800	5,500	880	2,900	200	4,200	2,100	520	890
Fluoride	mg/L	1	ND	0.5	2.1	ND	1.3	0.95	1.8	ND	1.3	0.5	1.7	0.7	ND	ND
Iron	ug/L	100	550	20	1,300	1,200	560	2,000	3,200	790	250	20	280	1,600	290	600
Mercury	ug/L	0.5	ND	0.1	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND
Aluminum	ug/L	50	ND	10	170	46	19	34	80	ND	10	10	86	29	ND	29
Manganese	ug/L	30	5,500	10	17,000	9,300	3,800	5,300	9,000	1,600	4,300	10	6,700	2,600	920	1,400
Nitrate	mg/L	2	68	2	44	ND	ND	ND	ND	ND	ND	2	8.6	ND	ND	ND

Table 6

**Quarterly Sampling -- Constituents of Concern
Central Basin -- Alamitos Generating Station**

		Well ID		AW-33														
		Date		6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06	6/06	9/06	12/06	3/07	6/07	9/07	12/07
Parameter	Units	PQL																
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	2	2.4	ND	ND	3.2	2.4	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND
Barium	ug/L	2.5	66	83	33	72	89	95	30	41	64	67	62	27	45	58	61	
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	0.78	ND	ND	ND	1.3	ND	ND	1.4	2	1.8	ND	0.5	0.6	0.57	
Chromium, Total	ug/L	1	27	110	29	41	51	70	15	17	14	33	4.5	1.4	ND	2.4	30	
Cobalt	ug/L	0.5	4.5	13	2.6	3.3	3.9	6.8	2.3	2	20	40	32	1.4	9.3	4.9	7	
Copper	ug/L	2.5	ND	2.5	ND	3	3.9	5.1	2.9	4.4	9.3	19	7.2	ND	ND	ND	2.8	
Lead	ug/L	1	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	
Molybdenum	ug/L	0.5	8.9	14	15	12	13	20	23	16	17	16	20	10	9.9	11	15	
Nickel	ug/L	4	60	250	42	160	170	290	70	160	410	440	390	22	95	93	120	
Selenium	ug/L	2	ND	ND	ND	9.2	14	6.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vanadium	ug/L	2.5	3	2.7	ND	ND	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	ug/L	10	ND	ND	ND	ND	ND	ND	15	ND	12	18	70	ND	ND	ND	ND	
pH	Units		6.8	6.5	6.8	6.8	6.6	6.6	6.7	6.8	7.1	7.0	7.1	7.4	7.2	7.1	7.1	
TDS	mg/L	10	7,700	9,100	3,000	2,600	25,000	11,000	2,900	4,900	8,500	10,000	8,100	2,600	5,900	7,400	8,500	
Chloride	mg/L	0.5	2,800	4,200	970	2,200	4,200	5,000	980	1,700	4,500	4,600	4,900	840	2,600	3,300	3,600	
Fluoride	mg/L	0.5	1.5	0.9	ND	ND	ND	ND	1	ND	ND	1.6	1.3	ND	ND	1.1	ND	
Iron	ug/L	20	90	540	190	610	420	510	290	100	76	230	38	29	33	ND	140	
Mercury	ug/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Aluminum	ug/L	10	ND	ND	41	32	ND	ND	ND	ND	26	170	90	ND	ND	ND	ND	
Manganese	ug/L	10	1,100	3,200	1,200	1,300	1,000	2,000	970	470	4,300	7,200	6,400	820	2,600	1,900	1,700	
Nitrate	mg/L	2	67	62	ND	120	290	290	ND	ND	220	50	26	ND	16	ND	5.5	

Table 6

Quarterly Sampling -- Constituents of Concern
Central Basin -- Alamitos Generating Station

Well ID			AW-33														
Date			3/08	6/08	9/08	12/08	3/09	6/09	9/09	12/09	3/10	6/10	9/10	12/10	3/11	6/11	9/11
Parameter	Units	PQL															
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	Not Scheduled	ND	Not Scheduled	ND	ND		
Arsenic	ug/L	2	ND	ND	ND	ND	2.1	ND	ND	ND		ND					
Barium	ug/L	2.5	33	32	56	38	26	58	45	44		61		48			
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND			
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	0.5	ND	ND		1.1		0.77			
Chromium, Total	ug/L	1	26	8.6	8.7	26	3.3	3.2	6.6	14		3.3		10			
Cobalt	ug/L	0.5	1.4	1.7	2.8	3.6	1.9	1.3	1.4	1.1		4		1.5			
Copper	ug/L	2.5	ND	ND	4.5	3.2	ND	ND	ND	14		ND		3			
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND			
Molybdenum	ug/L	0.5	10	8.7	12	11	8.5	7	8.9	7.9		12		17			
Nickel	ug/L	4	110	90	120	250	80	72	79	40		91		75			
Selenium	ug/L	2	ND	ND	ND	ND	2.7	2	ND	ND		ND		7.6			
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND			
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND			
Vanadium	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND		ND		ND			
Zinc	ug/L	10	ND	10	ND	ND	ND	ND	ND	ND		ND		ND			
pH	Units		7.2	7.1	7.1	7.2	7.2	6.5	7.2	7.2		6.9		7.1			
TDS	mg/L	10	4,400	5,400	11,000	7,200	2,800	11,000	7,700	5,400		19,000		6,900			
Chloride	mg/L	0.5	2,000	2,000	3,400	2,600	1,000	3,300	2,800	1,900		4,400		4,600			
Fluoride	mg/L	0.5	1.2	1.3	1.1	1.1	ND	1.1	ND	ND							
Iron	ug/L	20	570	370	380	510	150	89	74	190							
Mercury	ug/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND							
Aluminum	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND							
Manganese	ug/L	10	570	310	940	580	540	860	450	710							
Nitrate	mg/L	2	ND	ND	7.6	ND	ND	100	ND	6							

Table 6

**Quarterly Sampling -- Constituents of Concern
Central Basin -- Alamitos Generating Station**

Well ID			AW-33																											
Date			12/11	3/12	6/12	9/12																								
Parameter	Units	PQL	Not Scheduled																											
Antimony	ug/L	2.5																	ND											
Arsenic	ug/L	2																	ND											
Barium	ug/L	2.5																	38											
Beryllium	ug/L	0.5																	ND											
Cadmium	ug/L	0.5																	0.8											
Chromium, Total	ug/L	1																	47											
Cobalt	ug/L	0.5																	8.6											
Copper	ug/L	2.5																	4.6											
Lead	ug/L	1																	ND											
Molybdenum	ug/L	0.5																	25											
Nickel	ug/L	4																	2200											
Selenium	ug/L	2																	ND											
Silver	ug/L	1																	ND											
Thallium	ug/L	1																	ND											
Vanadium	ug/L	2.5																	ND											
Zinc	ug/L	10																	ND											
pH	Units																		6.7											
TDS	mg/L	10																	10,000											
Chloride	mg/L	0.5																	3,400											
Fluoride																														
Iron																														
Mercury																														
Aluminum																														
Manganese																														
Nitrate																														



Matthew Rodriguez
Secretary for
Environmental Protection



Department of Toxic Substances Control

Deborah O. Raphael, Director
9211 Oakdale Avenue
Chatsworth, California 91311



Edmund G. Brown Jr.
Governor

January 31, 2012

Mr. Randall Weidner
Southern California Edison
1218 S. Fifth Avenue
Monrovia, CA 91016

TECHNICAL COMPLETENESS FOR DRAFT CLOSURE DEMONSTRATION REPORT
SOUTHERN CALIFORNIA EDISON COMPANY, ALAMITOS GENERATING STATION,
RETENTION BASIN SITE, LOS ANGELES COUNTY, CALIFORNIA, SEPTEMBER
2011, 690 NORTH STUDEBAKER ROAD, LONG BEACH, CA 90803
EPA ID NUMBER CAD 009 694 795

Dear Mr. Weidner:

The Department of Toxic Substances Control's Brownfields and Environmental Restoration Program (BERP) has reviewed the revised draft Closure Demonstration Report, dated September 2011, for the Facility located at 690 North Studebaker Road, Long Beach, California.

As a result of this review, DTSC hereby determines your draft closure demonstration report as technically complete. Although the draft closure demonstration report is considered technically complete, DTSC may request additional information when necessary to clarify, modify, or supplement previously submitted information. DTSC plans to issue a public notice to the draft Closure Plan on Thursday, February 2, 2012.

Should you have any questions regarding this project, please contact me at 818-717-6602.

Sincerely,

Steve Rounds
Hazardous Substances Engineer
Brownfields and Environmental Restoration Program

Mr. Randall Weidner
January 31, 2012
Page 2

cc: Steve Maghy
AES Southland LLC
690 N. Studebaker Rd.
Long Beach, CA 90803

Dennis Jamison
Jamison & Associates, Inc.
PO Box 34802
Reno, NV 89533

Christine Bucklin, P.G. – DTSC Cypress (via electronic mail)
Jose Marcos, P.G. – DTSC Cypress (via electronic mail)
Shukla Roy-Semmen, Ph.D. – DTSC Cypress (via electronic mail)



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Equipment List

Facility ID 115394
 Company Name AES ALAMITOS, LLC
 Address 690 N STUDEBAKER RD
 LONG BEACH, CA 90803

Appl_Nbr	Permit_Status	Eq_Type	Equip_Description	Appl_Date	Appl_Status
526783		Basic	TV/RECLAIM REVISION-NOEVAL	8/31/2011	BANKING/ PLAN GRANTED
513592		Basic	TITLE V PERMIT ADMIN-AMENDMENT	8/11/2010	APPLICATION REJECTED
506464		Basic	RULE 1415 PLAN NOTIFICATIONS	2/3/2010	BANKING/ PLAN GRANTED
478037		Basic	RULE 1415 PLAN NOTIFICATIONS	2/12/2008	BANKING/ PLAN GRANTED
468907		Basic	RULE 1415 PLAN NOTIFICATIONS	5/8/2007	BANKING/ PLAN GRANTED
426078		Basic	TITLE V PERMIT RENEWAL APPLICATION	2/13/2004	BANKING/ PLAN GRANTED
423721		Basic	TITLE V PERMIT ADMIN-AMENDMENT	12/19/2003	BANKING/ PLAN GRANTED
423724		Basic	TURBINE ENGINE (>50 MW) EL PEAK N G-DIST	12/19/2003	APPLICATION REJECTED
423725		Basic	TURBINE ENGINE (>50 MW) EL PEAK N G-DIST	12/19/2003	APPLICATION REJECTED
423726		Basic	TURBINE ENGINE (>50 MW) EL PEAK N G-DIST	12/19/2003	APPLICATION REJECTED
423727		Basic	TURBINE ENGINE (>50 MW) EL PEAK N G-DIST	12/19/2003	APPLICATION REJECTED
423728		Basic	TURBINE ENGINE (>50 MW) EL PEAK N G-DIST	12/19/2003	APPLICATION REJECTED
408703		Basic	I C E (>500 HP) EM FIRE FGHT-NAT GAS	11/14/2002	APPLICATION CANCELLED
408728	ACTIVE	Basic	BOILER UTILITY (>50 MW)	11/13/2002	PERMIT TO OPERATE GRANTED
408708	ACTIVE	Basic	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	11/13/2002	PERMIT TO OPERATE GRANTED
408704	ACTIVE	Basic	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	11/13/2002	PERMIT TO OPERATE GRANTED
408705	ACTIVE	Basic	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	11/13/2002	PERMIT TO OPERATE GRANTED
408706	ACTIVE	Basic	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	11/13/2002	PERMIT TO OPERATE GRANTED
408707	ACTIVE	Basic	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	11/13/2002	PERMIT TO OPERATE GRANTED
408702		Basic	FACILITY PERMIT AMEND-RECLAIM/TITLE V	11/13/2002	BANKING/ PLAN GRANTED
396552		Basic	TITLE V PERMIT ADMIN-AMENDMENT	1/16/2002	BANKING/ PLAN GRANTED
396558		Basic	Title V Permit Revision	1/16/2002	APPLICATION REJECTED
396415		Basic	R2009-POWER FAC PLANS	1/15/2002	BANKING/ PLAN GRANTED
393523		Basic	BOILER UTILITY (>50 MW)	11/28/2001	APPLICATION CANCELLED
390641		Basic	R2009-POWER FAC PLANS	9/5/2001	APPLICATION DENIED

Page 1 of 4 (80 records)

Page

1





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Equipment List

Facility ID 115394
 Company Name AES ALAMITOS, LLC
 Address 690 N STUDEBAKER RD
 LONG BEACH, CA 90803

Appl_Nbr	Permit_Status	Eq_Type	Equip_Description	Appl_Date	Appl_Status
377587	ACTIVE	Control	SELECTIVE CATALYTIC REDUCTION	12/8/2000	PERMIT TO OPERATE GRANTED
376639	ACTIVE	Control	SELECTIVE CATALYTIC REDUCTION	11/15/2000	PERMIT TO OPERATE GRANTED
376484	ACTIVE	Basic	STORAGE TANK W/ VAPOR CONTROL AMMONIA	11/7/2000	PERMIT TO OPERATE GRANTED
376483		Basic	Title V Permit Revision	11/7/2000	BANKING/ PLAN GRANTED
376486		Basic	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	11/7/2000	APPLICATION CANCELLED
376487		Basic	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	11/7/2000	APPLICATION CANCELLED
372947	ACTIVE	Basic	STORAGE TANK W/ VAPOR CONTROL AMMONIA	7/25/2000	PERMIT TO OPERATE GRANTED
372946	ACTIVE	Basic	STORAGE TANK W/ VAPOR CONTROL AMMONIA	7/25/2000	PERMIT TO OPERATE GRANTED
372944	ACTIVE	Control	SELECTIVE CATALYTIC REDUCTION	7/25/2000	PERMIT TO OPERATE GRANTED
372945	ACTIVE	Control	SELECTIVE CATALYTIC REDUCTION	7/25/2000	PERMIT TO OPERATE GRANTED
372949	ACTIVE	Control	SELECTIVE CATALYTIC REDUCTION	7/25/2000	PERMIT TO OPERATE GRANTED
372941		Basic	Title V Permit Revision	7/25/2000	BANKING/ PLAN GRANTED
372943		Basic	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	7/25/2000	APPLICATION CANCELLED
372948		Basic	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	7/25/2000	APPLICATION CANCELLED
340009		Basic	INITIAL TITLE V PERMIT APPLICATION	4/27/1998	BANKING/ PLAN GRANTED
339186	INACTIVE	Basic	BOILER (<5 MMBTU/HR) NAT GAS ONLY	3/3/1998	PERMIT TO OPERATE GRANTED
339188	ACTIVE	Basic	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	3/3/1998	PERMIT TO OPERATE GRANTED
339189	ACTIVE	Basic	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	3/3/1998	PERMIT TO OPERATE GRANTED
339191	ACTIVE	Basic	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	3/3/1998	PERMIT TO OPERATE GRANTED
339192	ACTIVE	Basic	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	3/3/1998	PERMIT TO OPERATE GRANTED
339193	INACTIVE	Basic	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	3/3/1998	PERMIT TO OPERATE GRANTED
339198	INACTIVE	Basic	BULK LOAD TANK TRUCK (1 RACK) GASOLINE	3/3/1998	PERMIT TO OPERATE GRANTED
339177	INACTIVE	Basic	I C E (>500 HP) EM FIRE FGHT-NAT GAS	3/3/1998	PERMIT TO OPERATE GRANTED
339195	ACTIVE	Basic	STORAGE TANK AMMONIA	3/3/1998	PERMIT TO OPERATE GRANTED
339197	ACTIVE	Basic	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	3/3/1998	PERMIT TO OPERATE GRANTED

Page 2 of 4 (80 records)

Page

2





Facility Information Detail (FIND)

[Search Again](#) | [Search Results](#) | [Facility Details](#) | [Equipment List](#) | [Compliance](#) | [Emissions](#) | [Hearing Board](#) | [Transportation](#)

Equipment List

Facility ID 115394
 Company Name AES ALAMITOS, LLC
 Address 690 N STUDEBAKER RD
 LONG BEACH, CA 90803

Appl_Nbr	Permit_Status	Eq_Type	Equip_Description	Appl_Date	Appl_Status
339161	ACTIVE	Basic	SUMP, CONTAINMENT	3/3/1998	PERMIT TO OPERATE GRANTED
339162	ACTIVE	Basic	SUMP, CONTAINMENT	3/3/1998	PERMIT TO OPERATE GRANTED
339175	ACTIVE	Basic	SUMP, CONTAINMENT	3/3/1998	PERMIT TO OPERATE GRANTED
339207	ACTIVE	Basic	SUMP, CONTAINMENT	3/3/1998	PERMIT TO OPERATE GRANTED
339203	INACTIVE	Basic	TURBINE ENGINE (>50 MW) EL PEAK N G-DIST	3/3/1998	PERMIT TO OPERATE GRANTED
339200	INACTIVE	Basic	TURBINE ENGINE (>50 MW) EL PEAK N G-DIST	3/3/1998	PERMIT TO OPERATE GRANTED
339205	INACTIVE	Basic	TURBINE ENGINE (>50 MW) ELE PEAK GAS-RES	3/3/1998	PERMIT TO OPERATE GRANTED
339206	INACTIVE	Basic	TURBINE ENGINE (>50 MW) ELE PEAK GAS-RES	3/3/1998	PERMIT TO OPERATE GRANTED
339173	INACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	3/3/1998	PERMIT TO OPERATE GRANTED
339170	INACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	3/3/1998	PERMIT TO OPERATE GRANTED
339171	INACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	3/3/1998	PERMIT TO OPERATE GRANTED
339163	INACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	3/3/1998	PERMIT TO OPERATE GRANTED
339165	INACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	3/3/1998	PERMIT TO OPERATE GRANTED
339166	INACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	3/3/1998	PERMIT TO OPERATE GRANTED
339168	INACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	3/3/1998	PERMIT TO OPERATE GRANTED
339174	INACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	3/3/1998	PERMIT TO OPERATE GRANTED
358291	INACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	3/3/1998	PERMIT TO OPERATE GRANTED
358292	INACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	3/3/1998	PERMIT TO OPERATE GRANTED
358293	INACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	3/3/1998	PERMIT TO OPERATE GRANTED
358294	INACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	3/3/1998	PERMIT TO OPERATE GRANTED
358295	INACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	3/3/1998	PERMIT TO OPERATE GRANTED
358296	INACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	3/3/1998	PERMIT TO OPERATE GRANTED
358297	INACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	3/3/1998	PERMIT TO OPERATE GRANTED
358298	INACTIVE	Control	NEGATIVE AIR MACHINE/HEPA,ASBES <=15 GAL	3/3/1998	PERMIT TO OPERATE GRANTED
339203	INACTIVE	Control	NOX CONTROL OTHER	3/3/1998	PERMIT TO OPERATE GRANTED

Page 3 of 4 (80 records)

Page

3





Facility Information Detail (FIND)

[Search Again](#) |
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 [Facility Details](#) |
 [Equipment List](#) |
 [Compliance](#) |
 [Emissions](#) |
 [Hearing Board](#) |
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Address 690 N STUDEBAKER RD
 LONG BEACH, CA 90803

Appl_Nbr	Permit_Status	Eq_Type	Equip_Description	Appl_Date	Appl_Status
339205	INACTIVE	Control	NOX CONTROL OTHER	3/3/1998	PERMIT TO OPERATE GRANTED
339206	INACTIVE	Control	NOX CONTROL OTHER	3/3/1998	PERMIT TO OPERATE GRANTED
339179	ACTIVE	Control	SELECTIVE CATALYTIC REDUCTION	3/3/1998	PERMIT TO OPERATE GRANTED
339181	INACTIVE	Control	SELECTIVE CATALYTIC REDUCTION	3/3/1998	PERMIT TO OPERATE GRANTED
339196	INACTIVE	Control	SPRAY BOOTH PAINT AND SOLVENT	3/3/1998	PERMIT TO OPERATE GRANTED

Page 4 of 4 (80 records)

Page

4



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Compliance

Facility ID 115394
 Company Name AES ALAMITOS, LLC
 Address 690 N STUDEBAKER RD
 LONG BEACH, CA 90803

Notices Of Violation

Notice Number	Notice Issue Date	Violation Date	Disposition Date	Disposition
P51971	4/29/2011	3/20/2011	11/3/2011	Closed Case
P51967	6/11/2010	11/2/2009	10/28/2010	Closed Case
P16433	11/16/2000	10/31/2000	7/19/2001	Closed Case
P51952	7/24/2008	5/4/2004	4/8/2009	Closed Case

First

Prev

Page 1 of 1 (4 records)

Next

Last

Page

1

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Notices To Comply

Notice Number	Violation Date	Re-Inspection Date	Status
C 61677	1/24/2002	2/10/2000	In Compliance
C61659	2/8/2001	2/15/2001	In Compliance
C61677	1/25/2002	2/11/2002	In Compliance
C61679	8/23/2002	8/23/2002	In Compliance
C61681	9/13/2002	9/20/2002	In Compliance
C61684	11/19/2002	12/18/2002	In Compliance
C61697	10/8/2003	10/14/2003	In Compliance
D04862	3/12/2008	8/7/2008	In Compliance
D04872	11/19/2009	5/19/2010	In Compliance
E16974	11/15/2012	11/30/2012	In Compliance

First

Prev

Page 1 of 1 (10 records)

Next

Last

Page

1

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NOV/NC Details

Notice Number	P51971	Violation Date	3/20/2011	Issue Date	11/3/2011	Notice Type	NOV
---------------	--------	----------------	-----------	------------	-----------	-------------	-----

Facility ID 115394

Company Name AES ALAMITOS, LLC

Address 690 N STUDEBAKER
LONG BEACH, CA 90803

Violation Description FOR EXCEEDING THE NOX CONCENTRATION LIMIT AVERAGED OVER 720 OPERATING HOURS AT 3 PERCENT OXYGEN ON BOILER D42.

Equipment Description

Follow Up Status

Disposition **Closed Case**

Disposition Date 11/3/2011

Rule No.	Rule Description

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NOV/NC Details

Notice Number P51967 Violation Date 11/2/2009 Issue Date 10/28/2010 Notice Type NOV

Facility ID 115394

Company Name AES ALAMITOS, LLC

Address 690 N STUDEBAKER
LONG BEACH, CA 90803

Violation Description FACILITY FAILED TO ELECTRONICALLY REPORT TOTAL DAILY NOX MASS EMISSION
REPORT FOR EACH MAJOR NOX SOURCE.

Equipment Description

Follow Up Status

Disposition • **Closed Case**

Disposition Date 10/28/2010

Rule No.	Rule Description

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NOV/NC Details

Notice Number: P16433 Violation Date: 10/31/2000 Issue Date: 7/19/2001 Notice Type: NOV

Facility ID: 115394

Company Name: AES ALAMITOS, LLC

Address:

Violation Description: NOX EMISSIONS EXCEEDING THE NOX RECLAIM TRDNG CREDITS (RTCS) HELD BY THIS FAC AT THE END OF THE RECON PERIOD FOR THE 3RD QTR OF COMPL YR 2000, THE RTCS AT END OF 3RD QRTR RECON PERIOD WAS 641,546 LBS, WHILE 3RD QTR EMIS CERT & REP BY AES WAS 1,039,957LBS

Equipment Description:

Follow Up Status: **In Compliance**

Disposition: **Closed Case**

Disposition Date: 7/19/2001

Rule No.	Rule Description
2004	Requirements

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NOV/NC Details

Notice Number P51952 Violation Date 5/4/2004 Issue Date 4/8/2009 Notice Type NOV

Facility ID 115394

Company Name AES ALAMITOS, LLC

Address 690 N STUDEBAKER
LONG BEACH, CA 90803

Violation Description Facility failed to comply with ammonia and carbon monoxide concentration limits.

Equipment Description

Follow Up Status

Disposition • **Closed Case**

Disposition Date 4/8/2009

Rule No.	Rule Description

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NOV/NC Details

Notice Number: C61697 Violation Date: 10/8/2003 Issue Date: 10/14/2003 Notice Type: NC

Facility ID: 115394
 Company Name: AES ALAMITOS, LLC
 Address: 690 STUDEBAKER N
 LONG BEACH, CA 90899

Violation Description: PROVIDE MISSING DATA EMISSIONS BY DEVICE BY DAY FOR LATE RATA'S ON #D39 FOR 4TH QTR '02 (1/1/03-1/15/03) AND #D42 FOR 3RD QTR '03 (10/1/03-10/3/03). ALSO PROVIDE COPY OF RATA RESULTS CONDUCTED ON 10/4/03 FOR #D42.

Equipment Description: D39 AND C42

Status: **In Compliance**

Re-inspection Date: 10/14/2003

Rule No.	Rule Description

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 [Hearing Board](#) |
 [Transportation](#)

NOV/NC Details

Notice Number: D04862 Violation Date: 3/12/2008 Issue Date: 12/31/9999 Notice Type: NC

Facility ID: 115394

Company Name: AES ALAMITOS, LLC

Address:

Violation Description: Calibrate ammonia flow meter temperature guage at the boiler exhaust at the SCR inlet and the differential pressure guage across the SCR catalyst bed. Report total daily emissions for each major source by specified time.

Equipment Description:

Status: **In Compliance**

Re-inspection Date: 8/7/2008

Rule No.	Rule Description

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 [Transportation](#)

NOV/NC Details

Notice Number: D04872 Violation Date: 11/19/2009 Issue Date: 12/31/9999 Notice Type: NC

Facility ID: 115394
 Company Name: AES ALAMITOS, LLC
 Address:

Violation Description: CALCULATE AND REPORT QUARTERLY EMISSIONS ACCORDING TO MONITORING, REPORTING, AND RECORDKEEPING PROTOCOLS. CALCULATE AND REPORT ANNUAL EMISSIONS ACCORDING TO MONITORING, REPORTING, AND RECORDKEEPING PROTOCOLS.

Equipment Description

Status: **In Compliance**

Re-inspection Date: 5/19/2010

Rule No.	Rule Description
2012	Requirements of MRR for NOx Emissions (RECLAIM)

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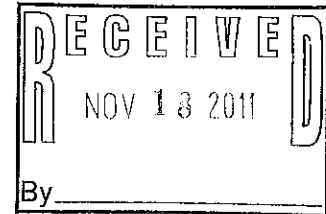


CITY OF LONG BEACH

DEPARTMENT OF HEALTH AND HUMAN SERVICES
CERTIFIED UNIFIED PROGRAM AGENCY

2525 GRAND AVENUE • LONG BEACH, CALIFORNIA 90815 • 562/570-4131

November 14, 2011



Ms. Joyce Marino
EMS
16510 Aston Street
Irvine, California 92606

Regarding: 690 Studebaker Road, Long Beach, California

Dear Ms. Marino:

In response to your recent inquiry for file information, a search has been made of this Department's Hazardous Materials Division files for hazardous waste generator facilities, leaking underground storage tanks and complaints.

Our records indicate that there is a file applicable to your request, and will be made available for your review in our office. **The file will be available for one week after an appointment is made.**

There are no administrative costs to review files. **If copies are required, an independent copying service may be allowed on site with notification prior to the time of your file review.**

If you have any questions or wish to arrange an appointment to review the file, please contact Dee Brown at 562/570-4131.

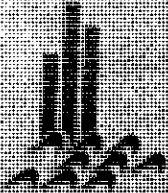
Sincerely,

A handwritten signature in black ink, appearing to read "Nelson Kerr".

Nelson Kerr, R.E.H.S.
Hazardous Waste Operations Officer

fileaval

FILE



**JOINT POWERS AGENCY
LONG BEACH/SIGNAL HILL**

Unified Regional Agency

2100 West Coastway • Long Beach, California 90802 • (562) 570-4125

May 10, 2003

Mr. Steve Maghy
AES Admin., LLC
600 Surfside Road
Long Beach, California 90802

Regarding: Underground Storage Tank Removal located at 600 Surfside Road
Long Beach, California

Dear Mr. Maghy:

This letter confirms the completion of the removal of three (3) underground storage tanks on April 1, 2003, formerly located at the above described location.

Based on the information in the above referenced file and with the provision of information provided to this agency was accurate and representative of the site, no further action related to the removal is required.

This notice is issued pursuant to a regulation contained in Section 2721(c) of the California Code of Regulations.

Please contact me at 562-570-4125 if you have any questions regarding this notice.

Sincerely,

Jeff Benedict, R.E.H.S., M.P.A.
Hazardous Waste Operations Officer

cc: Long Beach Fire Prevention Bureau
Mark Four Environmental

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

↓ COMPLETE THIS BOX. ONE FOR EACH PROPERTY CONCERNED ↓

PHONE NO: (949) 679-9500 FAX NO: (949) 679-9501

NAME OF REQUESTER (PLEASE PRINT): Joyce Medina

REPRESENTING (COMPANY NAME): Environmental Management Strategies

SIGNATURE: Joyce Medina DATE: 11/19/11

DRIVER LIC NO: V8932429 EXP: 09/19/13

ADDRESS FOR WHICH RECORDS ARE REQUESTED: 690 North Studebaker Road
Long Beach, CA

REASON FOR REQUEST: Prop. I Environmental Assessment

NO COPY SERVICES ALLOWED

FOR OFFICE USE ONLY:

- REVIEW ONLY (NO COPIES)
- REQUEST COPIES

NUMBER OF PAGES: _____

X 10

= _____

+ \$11.00

TOTAL FEE AMOUNT: _____

BILLING & ACCOUNTS RECEIVABLE
4TH FLOOR, 201 N. Figueroa (REV CODE #3887)

ADDRESS NOT IN OUR
JURISDICTION. PLEASE CALL
THE L.A. COUNTY PUBLIC WORKS
ENVIRONMENTAL DEPT.
626.458.3526 OR 3513 OR 3512

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**

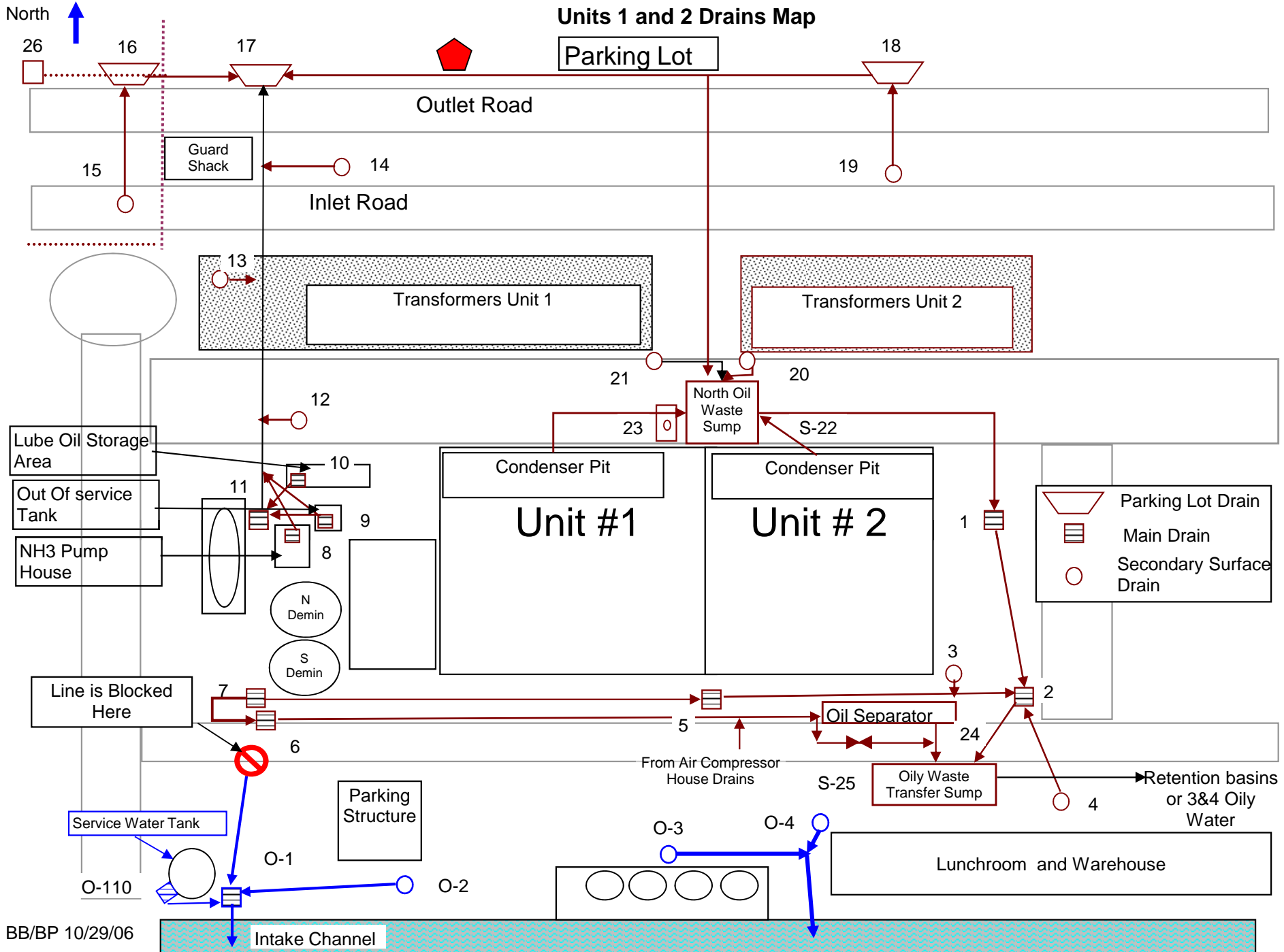
(6.) The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

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.**

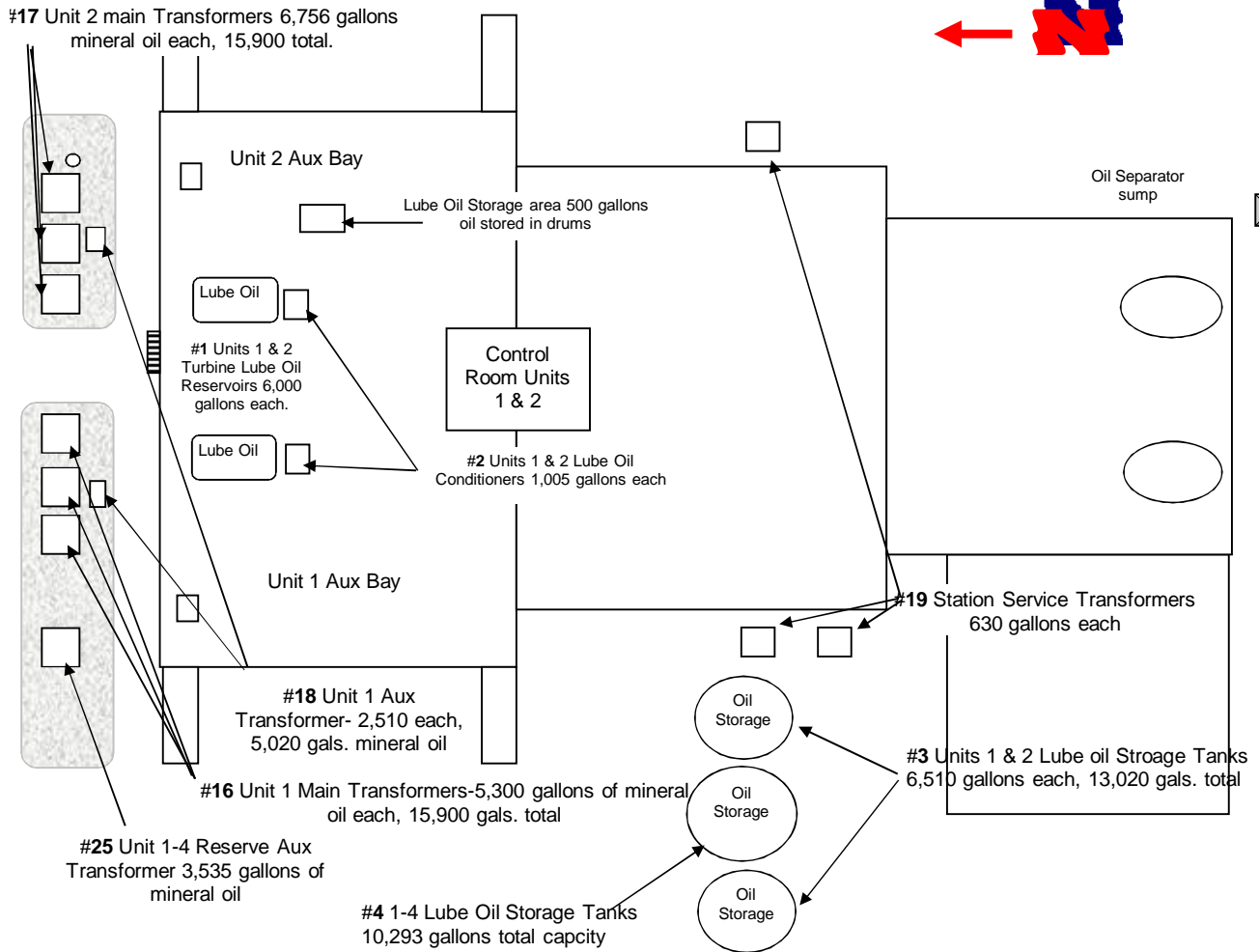
APPENDIX L

AES PLOT PLANS & PETROLEUM PRODUCTS LIST



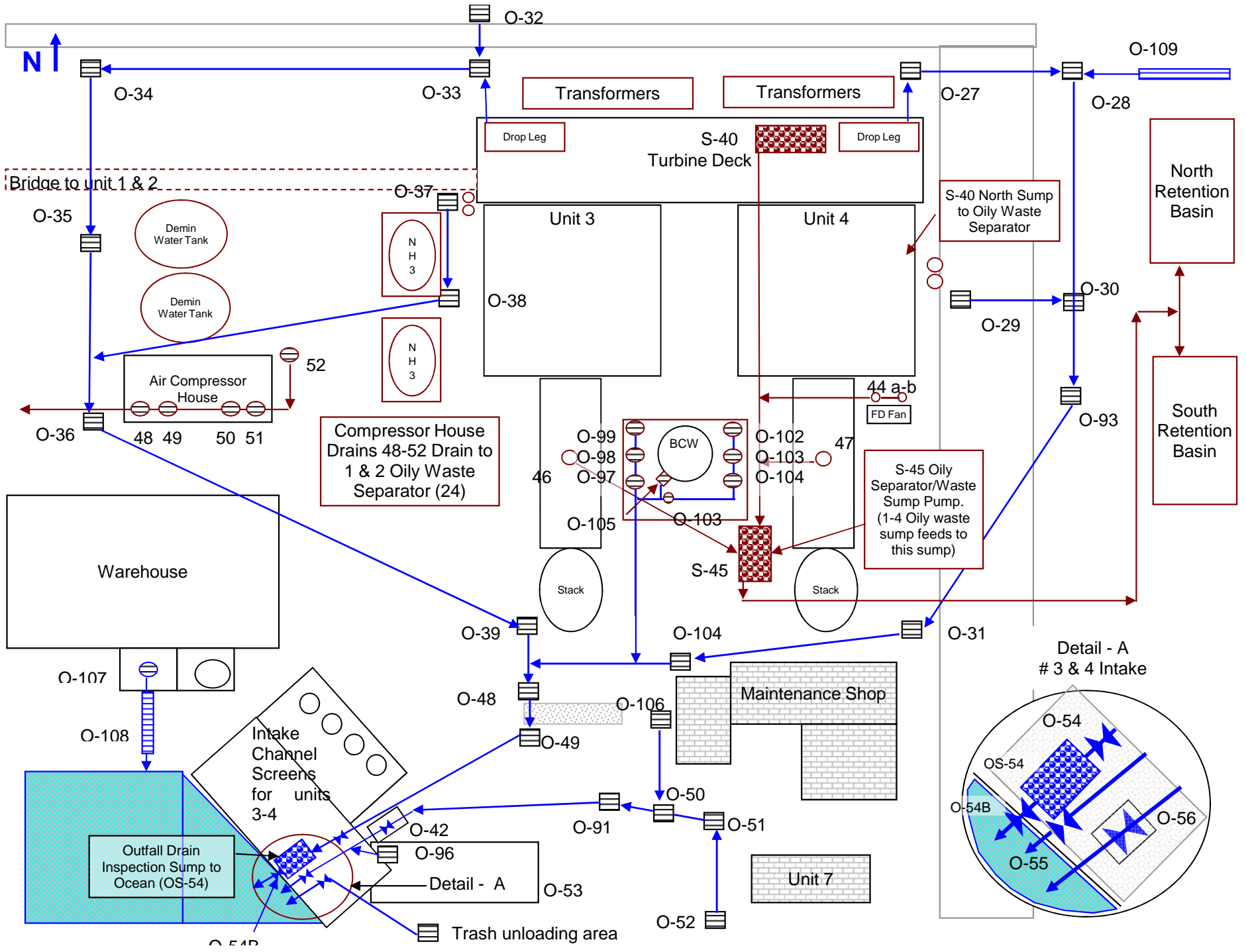
BB/BP 10/29/06

Units 1 2
Aux Bay
Lube Oil Storage
and Capacities

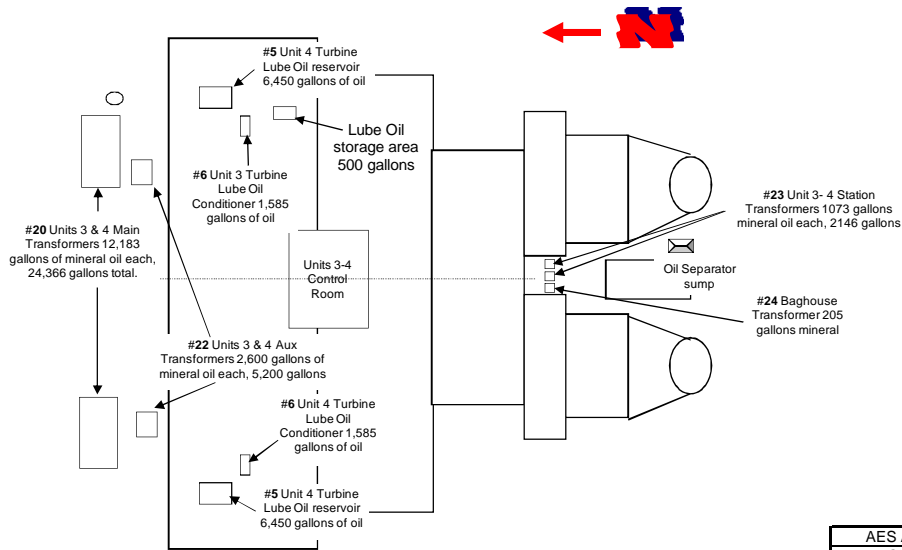


AES Alamos Generating Station		
Oil Storage and Capacities		
Revision 1		4/16/2007
Units 1-2		

Units 3 and 4 Drains Map

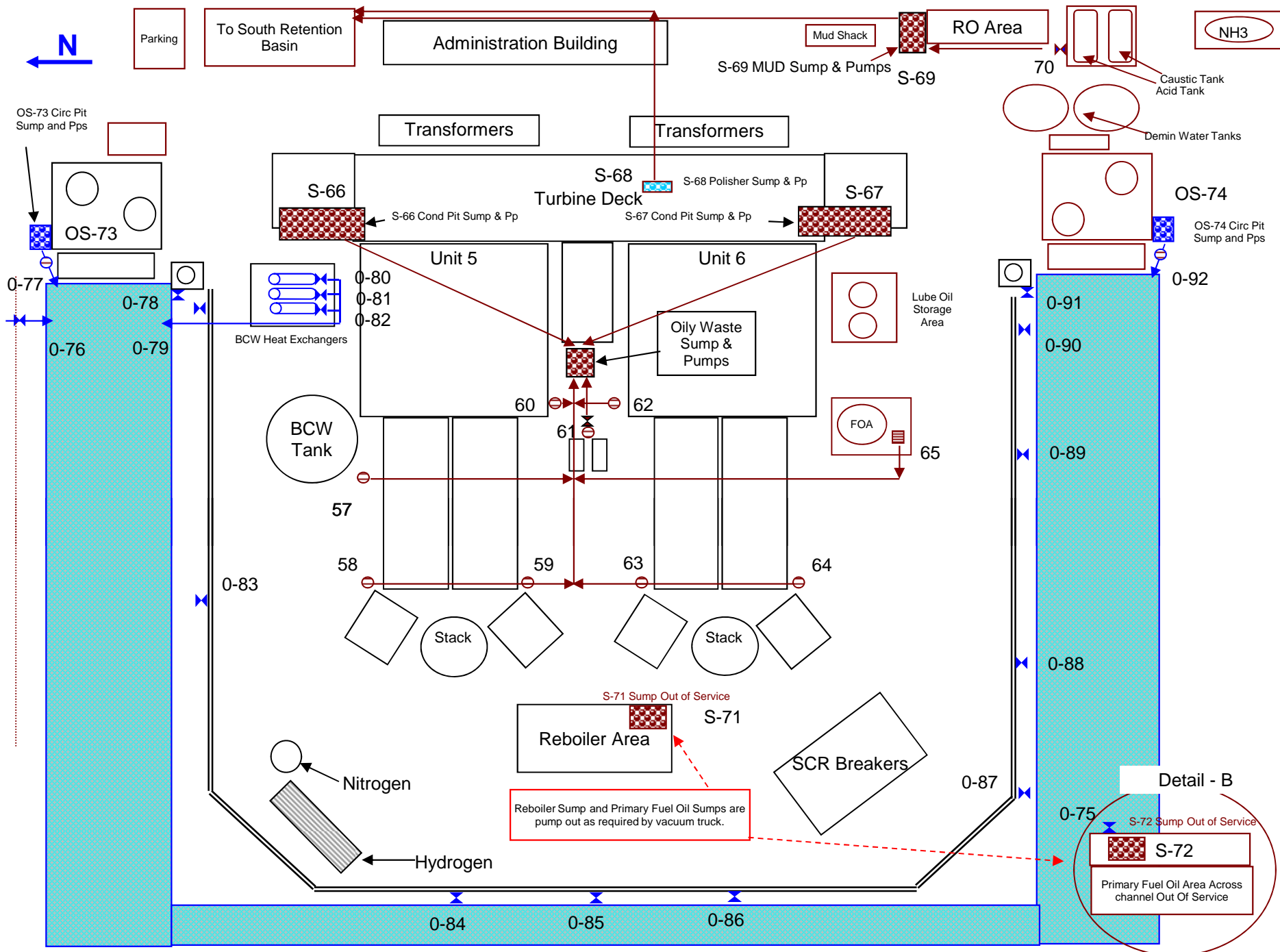


Units 3 & 4
Aux Bay
Oil Storage Areas
and Capacities

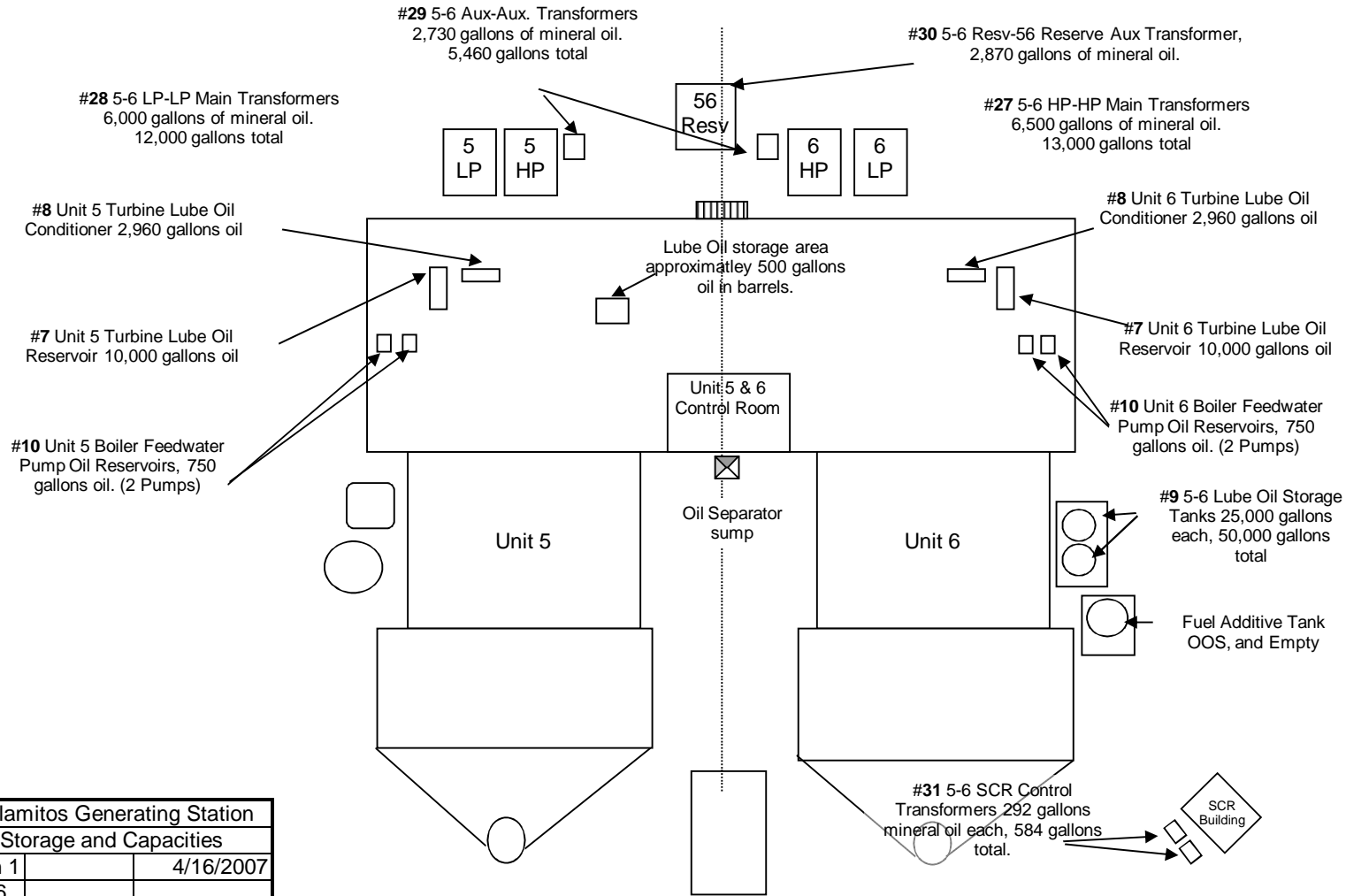


AES Alamos Generating Station		
Oil Storage and Capacities		
Revision 1		4/16/2007
Units 3-4		

Units 5 and 6 Drains Map



Units 5 6
Aux. Bay
Lube Oil Storage Areas
and Capacities



AES Alamos Generating Station		
Oil Storage and Capacities		
Revision 1		4/16/2007
Units 5-6		

AES Alamitos L.L.C.

Tanks and Equipment Containing Petroleum Products

Oil Product		Quantity	Individual capacity (gallons)	Total Capacity (gallons)	Location
Lube Oil					
1	Units 1 & 2 Turbine Lube Oil Reservoir	2	6,000	12,000	Underneath each operating unit in Aux bay
2	Unit 1 & 2 Turbine Lube Oil Conditioners	2	1,005	2,010	Underneath each operating unit in Aux bay
3	Units 1 & 2 Reservoir (storage)	2	6,510	13,020	West of Unit 1
4	Units 1-4 Lube Oil Storage Tank	1	10,293	10,293	West of Unit 1
5	Units 3 & 4 Turbine Lube Oil Reservoir	2	6,450	12,900	Underneath each operating unit in Aux bay
6	Units 3 & 4 Lube Oil Conditioners	2	1,585	3,170	Underneath each operating unit in Aux bay
7	Units 5 & 6 Turbine Lube Oil Reservoir	2	10,000	20,000	Underneath each operating unit in Aux bay
8	Units 5 & 6 Turbine Lube Oil Conditioners	2	2,960	5,920	Underneath each operating unit in Aux bay
9	Units 5 & 6 Lube Oil Storage Tank	2	25,000	50,000	South of Unit 6
10	Units 5 & 6 Boiler Feed Pump Lube Oil Reservoir	4	750	1,500	Underneath each operating unit in Aux bay
11	Units 5 & 6 Burner Drain Tank	1	18,000	18,000	Underneath each operating unit (OOS)
12	Units 7 Expander Turbines Lube Oil Reservoir	1	4,377	4,377	In unit 7 in Aux bay (Empty & OOS)
Gear Oil					
13	Drums	<40	55	2,750	West of Hazardous Storage Area
Gasoline					
14	Warehouse pick up truck, Tank in bed of truck	1	<30	<30	Parked in front of warehouse
Diesel					
15	Unit 7 Fuel storage tank	1	924,000	924,000	South of unit 7 (Tank is Empty and OOS)
Electrical Transformers (All transformers are filled with Mineral Oil that contain No PCBs)					
16	Unit 1 Main Transformers	3	5,300	15,900	North of unit 1
17	Unit 2 Main Transformers	3	6,756	20,268	North of unit 2
18	Unit 1 & 2 Aux. Transformers	2	2,510	5,020	North of units 1 & 2
19	Unit 1 & 2 Station Transformers	3	570	1,710	2 West of unit 1, 1 East of unit 2
20	Unit 3 & 4 Main Transformers	2	1,283	2,566	North of units 3 & 4
21	Unit 3 & 4 Grounding Reactors	1	750	750	North of unit 4
22	Units 3 & 4 Aux Transformer	2	2,600	5,200	North of units 3 & 4
23	Units 3 & 4 Station Transformers	2	1,073	2,146	South of units 3 & 4
24	Unit 3 Baghouse Transformer	1	205	205	South of units 3 & 4
25	Units 1-4 Reserve Aux Transformer	1	3,535	3,535	North of unit 1
26	Units 5 & 6 Station Transformer	2	1,073	2,146	East of units 5 & 6
27	Units 5 & 6 Main Hp Transformers	2	6,500	13,000	East of units 5 & 6
28	Units 5 & 6 Main LP Transformers	2	6,000	12,000	East of units 5 & 6
29	Units 5 & 6 Aux Transformers	2	2,730	5,460	East of units 5 & 6
30	Units 5 & 6 Reserve Aux Transformer	1	2,870	2,870	East of units 5 & 6
31	Units 5 & 6 SCR Control Transformers	2	292	584	West of units 5 & 6
32	Unit 7 Main and Aux Transformers	3	11,081	33,243	West of unit 7 (Total capacity)
33	Units 1 & 2 Grounding Reactors	1	592	592	North of units 1 & 2

ENVIRONMENTAL MANAGEMENT STRATEGIES, INC.

Financially Based,
16510 Aston St.
Tel 949.679.9500



Environmental Solutions
Irvine, CA 92606
Fax 949.679.9501

<http://www.goemsinc.com/>