Appendix F1

Phase I Environmental Site Assessment

PHASE I ENVIRONMENTAL SITE ASSESSMENT
ETIWANDA COMMERCE CENTER PROJECT
ASSESSOR'S PARCEL NUMBERS (APNS)
0229-283-79-0000 AND 0229-283-83-0000
RANCHO CUCAMONGA, CALIFORNIA 91739

KLEINFELDER PROJECT NO. 24001666.002A

REPORT DATE: JUNE 14, 2024

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1 EXECUTIVE SUMMARY

A Phase I Environmental Site Assessment (ESA) was performed by Kleinfelder for Ascent Environmental, Inc (Ascent) (Client), on behalf of the City of Rancho Cucamonga and Black Creek Industrial Acquisitions LLC (Applicant/Owner/User), on property located at 8996 Etiwanda Avenue and 8998 Etiwanda Avenue and includes approximately 2,787,840-square feet (approximately 64 acres) of lot area in the City of Rancho Cucamonga (the City), San Bernardino County, California (Subject Property) (Figures 1 and 2).

Black Creek Industrial Acquisitions LLC is proposing to develop the Subject Property. This Etiwanda Commerce Center Project includes the construction of five new commercial industrial buildings, associated paved parking areas, water-quality basins, utility infrastructure, exterior lighting and signage, and approximately 16-percent landscape coverage. Vehicle access to the would be provided by public roadway connections from Etiwanda Avenue and Napa Street.

Information gathered and activities performed for this Phase I ESA were consistent with the guidelines in ASTM International Designation E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (the "ASTM Standard"), the All Appropriate Inquiry (AAI) section of the Small Business Liability Relief and Brownfields Revitalization Act (the Federal Brownfields Law).

A summary of findings is provided below:

Subject Property Description

- The Subject Property consists of approximately 64 acres of land, which is identified by the San Bernardino County Assessor's Office as Assessor's Parcel Number (APN) 0229-283-79-0000 (the main parcel) and a portion of APN 0229-283-83-0000. Two addresses are associated with the Subject Property: 8996 and 8998 Etiwanda Avenue.
- The Subject Property was formerly occupied by the Southern California Edison (SCE) Etiwanda Generating Station, which included the Subject Property, and the property to the west and southwest from 1950 to 1997. The generating station portion of the SCE property (APN 0229-283-79-0000) was sold to Alta Power Generation LLC., a subsidiary of Houston Industries Inc in 1998, and the facility then became Mountain Vista Power Generation facility. In 1999, Houston Industries Inc changed its name to Reliant Energy and subsequently to RRI Energy, and then to GenOn, which subsequently merged with NRG Energy. GenOn, a subsidiary of NRG Energy, declared bankruptcy on June 14,

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2017, and APN 0229-283-79-0000 was bought by BTC Etiwanda LLC. The remainder of the former SCE facility was retained by SCE and the southwest portion of the Subject Property (APN 0229-283-83-0000) was occupied by Edison Pipeline and Terminal Company (EPTC) from 1997 to 2003, Pacific Terminals from 2003 to 2005, and then Inland Empire Utility Agency (IEUA) from 2005 to present. The Subject Property includes the northwest portion of APN 0229-283-83-0000.

Current Subject Property Conditions

- At the time of this Phase I ESA the main parcel was vacant and two large aboveground storage tanks (ASTs) were present in a bermed area on the Subject Property portion of APN 0229-283-83-0000. A dry reservoir was observed in the northeastern portion of the Subject Property. The northwestern portion of the Subject Property was covered with stockpiles of concrete, asphalt, and construction debris (broken pipe, bollards, pieces of metal). A driveway extended into the Subject Property from the intersection of Napa Street and Etiwanda Avenue, east of the Subject Property. The driveway extended westward to the AST containment area. A remnant concrete building pad remains present in the former Power generating Unit 1 and Unit 2 location. Former asphalt and concrete pavement remained in the former carport area. Depressions and excavations were observed in the former boiler chemical cleaning basin area, former waste accumulation area, former cooling tower areas, and former flume area. The Chadwick Channel was also observed, the northern portion of which was covered in riprap. Utility remnants including manholes and trench drains were observed near the former Unit 1 and 2 building pad and in the northeast portion of the former power generating station. Utility vaults associated with the Metropolitan Water District (MWD) pipeline were observed near the driveway into the Subject Property, in the carport, and pipeline infrastructure was observed along the southern boundary of the AST containment area. Multiple vaults/pump station associated with the MWD pipeline were observed on the north side of the driveway in the eastern portion of the Subject Property. A SCE vault was observed south of the Subject Property in the gravel area north of the adjoining substation. A Southern California Gas pipeline was observed adjoining the Subject Property to the east, along Etiwanda Avenue. A leak at this pipeline was being repaired at a point adjoining the northeast corner of the Subject Property at the time of the reconnaissance. A railroad right-of-way was present adjoining the Subject Property to the north. A fiber optic marker was noted in the railroad right-of-way. Storm drains were observed extending under the railroad, allowing stormwater to drain towards the Subject Property. The adjoining properties were observed

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to be commercial industrial. Transmission lines were present along Etiwanda Avenue, and south of the Subject Property. SCE facilities were present adjoining the Subject Property to the south, southwest, and west. A bails bond building was located on the southeast corner of the intersection of Napa Street and Etiwanda Avenue. A metal recycling facility was present east of the northeast portion of the Subject Property, across Etiwanda Avenue, and the property south of the metal recycling facility was vacant. Evidence of discolored water, stressed vegetation, underground storage tanks (USTs), pits, ponds, or lagoons was not observed on the Subject Property during the reconnaissance.

Subject Property History

- The Subject Property was either used for agriculture, grazing, or was fallow land until approximately 1953. The Chadwick Channel was present flowing through the center of the property since at least 1938. Railroad tracks have been present north and adjoining the Subject Property since at least 1938. An approximately 30-foot-wide MWD Easement, which contains their Upper Feeder Line (a 10-foot-diameter aqueduct constructed in the 1940s), bisected the parcel from the east to the west. SCE developed the Subject Property as a power generating station with generating Units 1 and 2, associating cooling towers, a reservoir for cooling tower makeup water in its northeast portion, retention basins in its southeast portion, and two large ASTs in its southwest portion between 1951 and 1953. The generating station was expanded with the construction of Units 3 and 4 in 1963. All four generating units used oil-fired boilers, which were later changed to natural gas. Water for the generating units was supplied by three off-site groundwater wells located on the SCE property. A Unit 5 Peaker Unit was installed in 1969. A third retention basin (boiler chemical cleaning basin) was constructed in 1979 and a reverse osmosis basin was constructed by 1997. In 2001, Units 3 and 4 were retrofitted with selective catalytic reduction (SCR) units and 10,000-gallon ammonia ASTs were installed at the Subject Property. Units 1, 2, and 5 were decommissioned in 2003 and facility operations ceased by 2018. The former generating station was demolished between 2018 and 2020.
- Large oil ASTs were constructed in the southwest portion of the SCE property (off site, adjoining to the south of the southwest portion of the Subject Property) between 1953 and 1975, and were removed by 2002. The adjoining property to the south of the main Subject Property was developed as an electrical power distribution facility by 1966. TAMCO (a steel mill facility) was developed north of the railroad tracks, north of the western half of the Subject Property by 1959 and operated until 2020. Commercial buildings (DP Etiwanda, SA Recycling, Ferromet, Simsmetal, Bernell Hydraulics) were constructed north

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of the eastern portion of the Subject Property by 1949. Etiwanda Avenue has adjoined the Subject Property to the east since 1887. The property east of the Subject Property, across Etiwanda Avenue, was developed with a commercial building (currently occupied by All State Paper & Metal Recycling Co Inc.) by 1975. Electrical transmission lines have been present extending along the eastern side of Etiwanda Avenue since 1944. SCE's Grapeland Peaker facility was constructed west and adjoining the Subject Property by 2005 and exists to the present day.

- Hazardous materials and waste used, stored, and/or generated at the Subject Property included: acetone, acetylene, distillate fuel (JP-5), gasoline, kerosene, fuel oil (bulk storage tank), turbine oil, transformer oil, mineral oil, dielectric oil, lead acid batteries, chlorine tablets, various compressed or liquid gases, aqueous ammonia, calcium hypochlorite, disodium phosphate, hydrazine, mercury, mercury alcohol, soda ash (sodium bicarbonate), sodium chromate, trisodium phosphate, ethyl combustion improver, sulfuric acid, paint and thinner waste, propane, sodium hydroxide, bleach / sodium hypochlorite, Nalco Dynacool 1383 Scale Inhibitor (acrylic acid and acrylamide), Nalco 3 D Trasar Cooling Water Treatment (sodium benzotriazole and sodium hydroxide), Nalco 7468 Cooling Water Defoamer (amorphous hydrated silica and benzoic acid), Nalco 7330 microbiocide (5-chloro-2methyl-4-isothiazolin-3-one, magnesium nitrate, and 2-methyl-4-isothiazolin-3-one), sodium metabisulfate, Ryd lyme, Rid-Lime scale remover (hydrochloric acid), asbestos debris, cooling tower sludge, treated wood waste, boiler debris (chromium), grease, fuel oil, tar, diesel fuel, oily debris, oil water separator sludge, used oil with solvent, paint chip and debris, paint solids/sludge, mineral oil containing 2 parts per million (ppm) to 50 ppm polychlorinated biphenyls (PCBs), universal waste, Crystal Simple Green industrial cleaner and degreaser (2-butoxy ethanol and water), spent sandblast grit containing lead, used lube oil, Nalco 2837 Molybdate corrosion inhibitor (sodium molybdate, sodium metaborate, and sodium hydroxide), gasoline, helium, and Nalco Trasar scale inhibitor.
- Numerous releases and clean-up cases have been reported on upgradient properties. Upgradient properties of concern include the former Tamco steel mill, the Ameron Pipe Plant, DP Etiwanda, and Bernell Hydraulics.
    - Former Tamco, located at 12459 Arrow Route, adjoins the Subject Property to the north – this property had been developed as a steel mill in the 1950s. Multiple closed cleanup cases were listed in association with this property, including a No Further Action (NFA) status for lead remediation issued by the Santa Ana Regional Water

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Quality Control Board (SARWQCB) in 1990, a NFA for UST removal issued in 1994 by San Bernardino County Department of Environmental Health (SBCDEH), excavation oversight performed by the California Department of Toxic Substance Control (DTSC) in 2001, a NFA for slag stockpile remediation in 2002 by San Bernardino County Fire Department (SBCFD), NFAs for UST removal in 2006, 2011, and 2014 by SBCFD, and a Consent Order in 2007 by the DTSC. Multiple site investigations have been performed since 2021. Soil and soil vapor have been impacted by historic operations. Total petroleum hydrocarbons (TPH), PCBs, and metals were reported to be present in localized areas in shallow soils. Impacted soil is being cleaned up under a Soil Management Plan (SMP). Soil vapor extraction remediation is planned at the property.

- DP Etiwanda located at 8822 Etiwanda Avenue adjoins the Subject Property to the north, across the railroad tracks. This facility was enrolled in the Voluntary Cleanup Program (VCP) and has a case status of certified operations and maintenance (O & M) – land use restrictions only as of October 22, 2020. This property was historically agricultural with a single-family residence and a railroad spur on the property between 1938 and 1966. The facility was then used for automobile and scrap metal recycling from 1975 through 2017. This facility was redeveloped as a transportation facility with office, storage, freight, shipping, and trucking operations. Concentrations of metals, TPH, and PCBs were reported to be present in soil samples at this facility. Remedial excavation was performed; however, confirmation soil samples indicated that residual metals and PCB concentrations above commercial/industrial screening levels were present along the western, northern, and southern property boundaries. A Land Use Covenant (LUC) between DP Etiwanda and DTSC was executed on August 19, 2020, restricting the property to commercial/industrial use. A drainage channel and the northern portion of the Chadwick Channel, which flows through the Subject Property, adjoins the western boundary and southwest corner of this property (the lead and PCB-impacted area). A concrete cinder block wall was reported to be present on the boundary preventing any further step-out bore assessments or remedial excavation.
- Bernell Hydraulics, located at 8810 Etiwanda Avenue adjoins the Subject Property to the north, across the railroad tracks and adjoining Etiwanda Avenue. This facility was listed in the VCP with an active case as of September 17, 2021. This property was historically developed as a Department of Transportation maintenance yard by 1938, with additional structures developed between 1949 and 2005. The property was occupied by Mountain Metals, a metal recycling facility, between 1970 and 1980, and

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then hydraulic systems fabrication, maintenance, and repair facilities from 1980 to the present. A Ninyo & Moore Phase I ESA reported that the facility received violations for poor housekeeping and had heavy oil staining and during the site reconnaissance, and a hydraulic oil spill was noted in the northern portion of the property. Other incidents included an Emergency Response Notification System (ERNS) database listing for “50 or more 55-gallon drums of motor oil and hydraulic oil that were knocked over and overfilled for a long period of time” in 1998, an incident of overflow from the oil filter area in 2015 resulting in runoff to the storm drain south of the property and north of the SCE property (the Subject Property), and a California Hazardous Materials Incident Reporting System (CHMIRS) database report indicating employees dumped approximately 500 gallons of used oil over the wall into the dry channel. Ninyo & Moore performed a limited Phase II ESA (Ninyo & Moore, 2021) to assess soil and soil vapor conditions at the property. Assessment activities identified slag material beneath the pavement, and elevated metal and PCB concentrations were detected in soil. Tetrachloroethylene (PCE) was reported to be present in soil vapor.

Though, these properties may have historically impacted the Subject Property, the historical impacts have been assessed or remediated/in the process of being remediated as part of the current redevelopment activities. Currently, due to redevelopment (Ameron has been redeveloped as a Goodman distribution center, DP Etiwanda, has been developed as a Central Transport facility, and Tamco is currently being re-developed by BTC Etiwanda as a commercial facility) the former cleanup-cases at these facilities are being remediated or have been capped to prevent runoff and land use restrictions emplaced to prevent exposure of the impacted soil. Additionally, runoff from these facilities will be collected in a concrete catch basin or transported through a 30-inch storm drain in the proposed Subject Property development plans. The above redevelopment of the properties of concern, and the proposed redevelopment of the Subject Property to prevent runoff from impacting subsurface soils removes the potential for the upgradient properties to impact the Subject Property, therefore, these are not considered Recognized Environmental Conditions (RECs).

Retention Basin Summary

- On February 1, 1995, the Superior Court of California issued a Final Stipulation to SCE for improperly storing hazardous materials in a non-permitted wastewater retention basin. A Resource Conservation Recovery Act (RCRA) Facility Investigation (RFI) case was initiated for the Etiwanda Generating Station. SCE was required to perform assessments of the retention basins and their associated sumps. SCE conducted Leak Detection

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Investigations (LDI) of the north and south retention basins and the Boiler Chemical Cleaning Basin with soil samples collected up to 100 feet below ground surface (bgs). Soil and soil gas samples were collected. Elevated metal concentrations (antimony, arsenic, mercury, molybdenum, nickel, silver, and thallium), low pH, and volatile organic compounds (VOCs) (chloroform, chloromethane, styrene, tetrachloroethene, toluene, vinyl chloride, butyl benzyl phthalate, and dioxin/furans) were detected in soil beneath the North and South Retention Basins. No contamination was identified beneath the Boiler Chemical Cleanout Basin. Soil contamination was reported to be mostly within the upper 5 feet below the bottom of the basins. In 1996, a Title 22 Drinking Water analysis was conducted for the three production wells downgradient of the Subject Property. The results indicated that no levels of metals or other constituents of concern were detected. In 2002, four groundwater monitoring wells, EW-1 through EW-4, were installed in the vicinity, and downgradient of the retention basins. Groundwater monitoring wells EW-5 and EW-6 were installed in 2003. Groundwater sampling was performed between 2002 and 2011. Based on statistical analysis of the groundwater sampling results, groundwater was concluded to not have elevated concentrations of constituents of concern and to not have been impacted. A project-wide closure certification report for the RCRA basins was issued on December 19, 2011. The closure certification included the north wastewater retention basin, south wastewater retention basin, boiler chemical cleaning basin, Units 1 and 2 fireside wash drain system, Units 3 and 4 fireside wash drain system, Units 3 and 4 fireside wash system sediment trap, Units 1 and 2 boiler acid wash drain system, and Units 3 and 4 boiler acid wash drain system. The certification closure indicated the retention basin were closed and approved for unrestricted use. The RFI for the remainder of the generating station was to be performed upon its decommissioning and SCE remained responsible for the performance of the RFI and cleanup of contamination from prior to the sale of the property. Due to the unrestricted use closure of the retention basins, the former retention basins and their associated piping and sumps are considered an HREC.

Chadwick Channel

- On March 13, 1985, approximately 10,000 gallons of oil/water was spilled at the TAMCO facility (steel mill located north of the Subject Property) into the Chadwick Channel and flowed onto the Subject Property. Tamco and SCE performed cleanup activities under SARWQCB oversight. The upper 5 feet of drainage channel and spreading basin soils were identified as contaminated with petroleum hydrocarbons and metals. Based on depth of impact, it was surmised that previous releases had occurred and impacted soil in the

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Chadwick Channel. A site characterization study was performed, and findings indicated that, with the exception of lead, elevated metals concentrations did not exceed hazardous waste levels. As groundwater water quality was not threatened, the SARWQCB issued a letter indicating that no further remedial action was required.

- An area with elevated nickel concentrations was identified at the former Unit 4 Drain Line Discharge into the Chadwick Channel. Soil containing nickel in excess of the California hazardous waste Total Threshold Limit Concentration (TTLC) value of 2,000 milligrams per kilogram (mg/kg) and soil containing soluble nickel in excess of its California Soluble Threshold Limit Concentration (STLC) was excavated. On February 27, 1996, an area of Chadwick Channel was excavated for that purpose. Confirmation soil samples were collected and confirmed the removal of the impacted soil.
- A release of cement/hazardous waste occurred from the Ameron Arrow Plant on April 5, 2012. The release flowed through the storm drain to the Chadwick channel and into the Subject Property. California Fish and Game and the SARWQCB were reported to respond to the incident. Ameron fixed the pipe which was the source of the release. Soil and water samples were collected, and metal concentrations and pH were reported to be below hazardous waste levels. Remediated soil was kept on site at Ameron and the case was closed.
- Numerous cooling tower releases were reported to occur at the Subject Property including the following: a release of 100 gallons of cooling tower water occurred on January 17, 2001; a release of 20 gallons of cooling tower water occurred on May 21, 2001; a release of 10,000 gallons of cooling water into the Chadwick Channel from Cooling Tower Number 4 was reported on June 12, 2001; a release of 150 gallons of coolant tower water occurred on July 16, 2001; a release of 100 gallons of cooling tower water occurred on August 28, 2001; a release of 80 gallons of cooling tower water occurred on September 13, 2001; a release of 1,000 gallons of cooling water with chlorine occurred on February 9, 2002; a release of 5,000 gallons of cooling tower water occurred on July 15, 2002; and a release of 150 gallons of cooling water (reclaimed water with well mixture) occurred on May 9, 2011.
- Recent investigations performed in the Chadwick Channel in 2019 identified the presence of diesel-range TPH (TPH-d) in shallow soils in one composite sample. This impacted soil was delineated. Gasoline-range TPH (TPH-g), motor oil-range TPH (TPH-mo), metals, and PCB concentrations did not exceed commercial screening levels. Additional investigations performed in 2022 indicated that TPH, VOCs, semi-volatile organic

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compounds (SVOCs), and PCBs were not present above commercial screening levels. The Subject Property is being remediated under a SMP to commercial screening levels, therefore, any residual contamination in the Chadwick Channel is considered a CREC.

USTs

- Numerous USTs were listed in the Statewide Environmental Evaluation and Planning System (SWEEPS) UST, Hazardous Substance Storage Container Database (HIST UST), databases as being present at the Subject Property. A 550-gallon kerosene UST and a 120-gallon naphtha product UST were installed in 1952. Three USTs containing gasoline, kerosene solvent, and naptha were removed in 1986, and a new 550-gallon (or 548-gallon) unleaded gasoline UST was installed in the same UST cavity. Based in review of a SCE letter dated December 11, 1985, subject “Etiwanda Generating Station – Remedial Action Report”, investigation and tank integrity test activities were performed in preparation of removing the kerosene and naptha USTs and replacing them with the gasoline UST. Prior to removal of the USTs, five bores were advanced around the USTs and samples were collected up to 40 feet bgs. TPH concentrations were present in four of the five soil bores, with the maximum concentration reported to be 11 ppm. A Rancho Cucamonga Fire Protection District “Application for Alternate Method” dated August 16, 1999 proposed to install a new 250-gallon AST as a replacement for the UST used for fueling company equipment. The proposed location of the tank was shown to be south of the guard shack and entrance into the facility. A Rancho Cucamonga Fire Protection District Permit dated November 15, 1999 was for removal of a UST and associated piping from SCE 8996 Etiwanda. No further information was available about this UST. Based on review of a previous Phase I ESA prepared by CH2MHill in 1997 (CH2MHill, 1997) and historical site plans, the former 550-gallon gasoline UST was located between Units 3 and 4 and Units 1 and 2. No closure report was available for removal of the gasoline UST; however, subsequent investigations performed in the fueling station area have not identified significant contamination. The Subject Property is being remediated under a SMP to commercial screening levels, therefore, any residual contamination in the UST area is considered a CREC.
- Based on information from a Phase I ESA prepared by CH2MHill, in 1997, a septic system consisting of a 7,000-gallon septic tank and five seepage pits was located east of the Shop building, between Units 1 and 2. This septic system was indicated to have been installed in 1951. Based on information from the RFI Report, dated 2022, five 3,000-gallon inline seepage pits were part of the septic system located east of the maintenance building.

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- A permit to remove one UST was issued on January 3, 2000. An application to remove an 8,000-gallon UST was dated January 3, 2000. A job card for removal of a UST was dated January 13, 2000. No further information was available. This may be related to removal of a septic system tank.

Subject Property-wide Releases / Assessments

- Reported releases at the Subject Property included the following: a release of PCBs was reported to have occurred in 1983 (Geraghty & Miller, 1997); a release of 45 gallons of non-PCB mineral oil occurred on July 14, 1995; a release of 50-gallons of non-PCB mineral oil occurred on March 10, 2008; a release of 35-gallons of oil occurred on March 3, 2010; less than 3-gallons of sodium hypochlorite occurred on July 25, 2014; a release of 42-gallons of lube oil occurred on June 16, 2016; and a release of 20 to 40-gallons of non-PCB mineral oil occurred on July 24, 2021. These releases were cleaned up and impacted soil was reported to have been excavated.
- A Phase II ESA was prepared by Geraghty & Miller on June 6, 1997 to assess areas of concern identified by CH2MHill in their 1997 Phase I ESA. Geraghty & Miller concluded six areas (surface water discharge, pipelines, cooling towers, sulfuric acid storage tanks, former water softener and brine pit, and second solid waste disposal area) had arsenic concentrations above screening levels and they recommended an environmental risk screening evaluation for industrial use. No further action was recommended, but additional sampling was indicated to be likely required as part of decommissioning activities at the ASTs, transformers, powerblock, and a possible UST location. No further action was recommended for the waste discharges from off-site (Chadwick Channel), USTs, hazardous waste storage area, landfill, scrap metal yard, septic systems, 1995 transformer oil spill area, vineyard water tank, Peaker Unit floor drain and sump, laydown area, switchyard perimeter, boiler wash water storage tank area, Units 1 and 2 cooling tower sludge dewatering area, utility pole storage area, and agricultural research area.
- A Facility-Initiated Corrective Agreement (FICA) between the DTSC and BTC III Etiwanda Commerce Center LP was signed June 1, 2021. BTC III Rancho Cucamonga Logistics Center LP purchased the Subject Property from GenOn California South, LP on December 29, 2000. This document indicated that as of January 2020, SCE was responsible for implementation of a RFI Workplan and RFI Report. After DTSC approval of the RFI Report, Subject Property redevelopment may be performed. The Etiwanda Generating Station was decommissioned between 2018 and 2022 and assessment activities have been

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performed between 2019 and 2023 to characterize the subsurface impact at the Subject Property.

- A former landfill area was excavated and arsenic- and lead-impacted soil was removed from the northwest portion of the Subject Property in 2020 (ERM, 2020). Confirmation soil samples were collected to confirm the removal of arsenic and lead concentrations above clean-up levels. Removal activities were documented in a Soil Removal Memorandum prepared by ERM.
- In 2022, shallow arsenic-impacted soil was excavated from around the cooling towers for Units 1 and 2. Soil with arsenic concentrations greater than California background levels (12 mg/kg) was excavated. Confirmation soil samples were collected and approximately 289.13 tons of arsenic-impacted soil was removed. The field activities were summarized in a Soil Removal Report prepared by Northgate Environmental, and no further action was recommended.
- The RFI Report prepared by Northgate Environmental, Inc, dated October 2023, summarized investigation activities that were conducted between 2019 and 2022. The RFI workplan had identified thirty-eight (38) areas of concern/areas of interest. The retention basins, administration building, reverse osmosis equipment and basin, Units 3 and 4 cooling towers, Unit 4 cooling tower transformer, Generating Units 3 and 4, capped natural gas easement, construction and operations waste, auxiliary transformer, water tanks, fire pumps, sludge drainage area, northern fill, and flumes were identified as not requiring investigation based on previous investigation/remedial activities or no identified concern. The following areas were investigated for soil and/or soil vapor impact: the distillate tank for the Unit 5 Peaker, the fueling station, Unit 5 Peaker, Chadick channel, hazardous waste accumulation area, Generating Units 1 and 2, warehouse, maintenance shop, welding shop, cooling tower makeup water pond, sulfuric acid tank, Units 1, 2, 3, and 4 transformers, acidic caustic tank area, sodium hypochlorite tank, former hazardous waste area, and septic pits. The RFI finings indicated that TPH and PCB concentrations above commercial screening levels in soil were delineated at the Unit 5 Peaker and Units 3 and 4 transformers. These areas were excavated and impacted soil removed by Roux under the SMP in 2022. Similarly, other impacted areas (arsenic around the cooling towers and the landfill area in the northwest portion of the Subject Property) were excavated during previous assessments. TPH, VOCs, SVOCs, metals (with the exception of arsenic and one detection of thallium), and PCBs in the remaining soil samples collected across the Subject Property were either not detected or reported at concentrations that did not exceed commercial screening levels. Thallium was reported in one soil sample from

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0.5-foot beneath the Cooling Tower 3 flume. Thallium was reported to decrease in the sample below and was considered to be localized under the joint in the concrete-lined flume. Soil vapor assessment results indicated PCE and benzene were present in the Peaker Unit 5 area above commercial screening levels with an attenuation factor of 0.03; however, concentrations decreased by 20 feet in depth and were laterally assessed. PCE was present in the former fueling station area above commercial screening levels with an attenuation factor of 0.03, but was also assessed by 10 feet bgs, and was only present in the one sample. The VOCs carbon tetrachloride and chloroform in soil vapor samples collected from below the maintenance shop, warehouse, and welding shop exceeded commercial screening levels with attenuation factors of 0.001 and 0.0005. VOCs were detected in one or more soil vapor samples at concentrations above commercial screening levels with an attenuation factor of 0.03. With the exception of PCE and 1,1-dichloroethane (1,1-DCA), the VOC concentrations that exceeded screening levels either barely exceeded or were limited to only a few samples and were therefore not considered chemicals of potential concern (COPCs). Carbon tetrachloride, chloroform, PCE, and 1,1- DCA appeared to increase in concentration up to 200 feet bgs and then decrease in concentration between 200 and 400 feet bgs. A groundwater sample was collected from beneath the soil vapor-impacted area and VOCs were not detected. PCB concentrations were identified in soil and concrete beneath Units 1 and 2. The investigation of PCB concentrations in soil and concrete are ongoing. A human health risk assessment identified that PCBs present an unacceptable cancer and non-cancer risk to construction workers and future commercial/industrial workers. Remedial planning is ongoing. The RFI report concluded that the property was “adequately characterized.”

- During demolition activities at the Subject Property, PCB concentrations greater than 50 mg/kg were detected in the building pad beneath Units 1 and 2. Ongoing assessment is being performed under United States Environmental Protection Agency (US EPA) oversight. Grid sampling has been proposed to delineate the concentrations laterally and vertically. The clean-up criteria was identified as the PCB commercial industrial screening level of 0.58 mg/kg. Materials with PCB concentrations greater than 0.58 mg/kg and less than 25 mg/kg may be used as fill and covered with a concrete cap, materials with concentrations greater than 25 mg/kg but less than 50 mg/kg would be disposed of off site as non-hazardous waste, and materials with PCB concentrations greater than 50 mg/kg would be disposed of at a hazardous waste facility that accepts PCB-impacted waste.

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AST Farm Assessments

- The two ASTs (identified as SCE's Northwest and Northeast tanks) located in the southwest portion of the Subject Property were formerly used for oil storage until approximately 2005. When IEUA purchased the property, these ASTs were converted to water storage tanks (IEUAs West and East Reservoirs, respectively). A former pumping area and pipelines remain present on the IEUA property. Investigations were performed in the AST area in 1997, 1998, 2017, and 2018. Bores were advanced around the ASTs, at the primary fuel pumping area, along the pipelines, adjoining sumps, in truck loading areas, stained soil areas, and along any wastewater pipelines and the Chadwick Channel. Additionally, in the 2017 investigation soil vapor probes were installed adjoining the sumps/separators at seven locations. Residual TPH concentrations were identified in shallow soils, though only a couple areas were identified with TPH concentrations exceeding 100 mg/kg. On June 7, 2021, IEUA entered into a FICA agreement with the DTSC to facilitate the removal of soils to acceptable levels and a SMP was prepared by Environmental Application Inc. (EnvApps) on March 24, 2022. In 2020, soil with TPH concentrations greater than 100 mg/kg and polycyclic aromatic hydrocarbon (PAH) concentrations above commercial screening levels was excavated from an area southeast of the Northwest AST. The documented residual TPH concentrations in soil and the unassessed area beneath the ASTs is considered a REC.

Based on the results of the Phase I ESA, the following recognized environmental conditions (RECs), controlled RECs (CRECs), historical RECs (HRECs), and/or *de minimis* conditions were identified for the Subject Property:

<u>RECs</u>

- The former presence of large fuel oil ASTs on the Subject Property and the unassessed areas beneath these ASTs represents a REC.
- Soil vapor sampling conducted at the northwest portion of the maintenance shop and south of the Unit 3 cooling tower indicated the presence of chloroform, carbon tetrachloride, PCE, and 1,1-DCA above US EPA screening levels and DTSC-modified screening levels for commercial land use beneath the Subject Property. The impacted soil vapor beneath the Subject Property is considered a REC.

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- The ongoing cleanup and remediation of PCB-impacted concrete and soil at the former Unit 1 and 2 location is considered a REC.

HRECs

- The unrestricted closure of the retention basins and their associated piping and sumps on the Subject Property is considered an HREC.
- The removal of shallow arsenic-impacted soil from around the Unit 1 and 2 cooling tower and the removal metals-impacted soil in the northwest portion (landfill area) of the Subject Property are considered HRECs.

CREC

- The Subject Property has a long history of industrial use with multiple releases and cleanup activities reported. USTs and ASTs containing various oils, gasoline, sulfuric acid, sodium hypochlorite, and other hazardous substances have been present on the Subject Property. Recent assessment activities have characterized the subsurface impacts at the Subject Property and Kleinfelder understands that a SMP is in place outlining removal and management of impacted material encountered during construction activities. Soil cleanup is being performed to commercial limits; therefore, this is considered a CREC.

Based on the findings and conclusions of this Phase I ESA, Kleinfelder has the following recommendations for further assessment.

- Install vapor mitigation system for proposed building.
- Performance of assessment beneath the former ASTs when removed.

Deviations from the Phase I ESA Standard (if any) are discussed in Section 8 of this report. This report is subject to the limitations in Section 2.5.

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2 INTRODUCTION

This report is a summary of work performed using the guidelines set forth in ASTM Designation E1527-21, *"Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process"* and AAI standards of the Small Business Liability and Brownfields Revitalization Act (the "Brownfields Law"). This report also generally conforms to the ASTM Standard's suggested table of contents. Minor format modifications have been made to the ASTM Standard's suggested table of contents to assist in better reading and understanding the report findings.

The purpose of this Phase I ESA is to identify potential or known hazardous materials, hazardous waste, and contamination, which may be present in the Subject Project vicinity. Information gathered and activities performed for this Phase I ESA were consistent with applicable guidelines set forth in ASTM Designation E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Pursuant to the ASTM Standard and limitations discussed in this report, RECs, and other environmental issues related to the Subject Property will be evaluated.

2.1 PURPOSE

The purpose of this Phase I ESA is to identify RECs, to the extent feasible pursuant to the scope of services defined in our Proposal No. MW232277.001P/LH22P146237 dated June 28, 2023 and limitations discussed in this report. As defined in the ASTM Standard, a REC is:

> *The presence of hazardous substances or petroleum products due to a release to the environment; (2) likely presence of hazardous substances or petroleum products due to a release or likely release to the environment; or (3) presence of hazardous materials or petroleum products under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.*
>
> *Note: "Likely" is that which is neither certain nor proved, but can be expected or believed by a reasonable observer based on the logic and/or experience of the environmental professional, and/or available evidence, as stated in the report to support the opinion given therein.*

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As defined in the ASTM Standard, a *de minimis* condition is:

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

ASTM Standard E1527-21 definition of a CREC is:

> *… a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use limitations, activity and use limitations, institutional controls, or engineering controls).*

Additionally, the ASTM Standard defines HRECs, as:

> *… a past release of any hazardous substances or petroleum products that has affected the Subject Property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to environmental controls.*

The final decision on whether a past release is an HREC rests with the Environmental Professional (EP), and will be influenced by the current impact (if any) of the past release to the Subject Property.

Finally, the ASTM Standard defines a business environmental risk (BER) as:

> *"…a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations..."*

This report describes Kleinfelder's assessment methodology and documents our findings, subject to the limitations presented in Section 2.5 of this report.

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Kleinfelder professionals conducting this site assessment included Ms. Lindsey Dandridge-Perry and Mr. Alan Rodriguez, who performed the Subject Property reconnaissance and were the primary authors of this report. Ms. Lizanne Simmons provided project oversight. Resumes of Environmental Professionals are available from Kleinfelder upon request.

2.2 DETAILED SCOPE OF SERVICES

The following sections describe Kleinfelder's work scope:

Section 2, **Introduction**, includes a discussion of the purpose/reason for performing the Phase I ESA, additional services requested by the Client (e.g., an evaluation of business environmental risk factors associated with the Subject Property), significant assumptions (e.g., property boundaries if not marked in the field), limitations, exceptions, special terms and conditions (e.g., contractual), and user reliance parameters.

Section 3, **Subject Property Description**, is a compilation of information concerning the Subject Property location, legal description (if provided by the Client), current and proposed use of the Subject Property, a description of structures and improvements on the Subject Property at the time of Kleinfelder's assessment, and adjoining property use.

Section 4, **Records Review**, is a compilation of Kleinfelder's review of several databases available from Federal, State, and local regulatory agencies regarding hazardous substance use, storage, or disposal at the Subject Property and off-Subject Property facilities within the search distances specified by the ASTM Standard. Records provided by the Client are summarized, and copies of relevant documents are included in the appendices of this report. Physical setting sources (including topography and soil and groundwater conditions) and typical Client-provided information (e.g., title records, environmental liens, specialized knowledge, valuation reduction for environmental issues, and owner, property manager, and occupant information) are also summarized. Other interviews with people knowledgeable about the Subject Property (including the Client) are included in Section 7.

Section 5, **History of the Subject Property**, summarizes the history of the Subject Property and adjoining properties. This Subject Property history is based on various sources, which may include a review of historical aerial photographs, Sanborn Fire Insurance Maps, city or suburban directories, historical topographic maps, building department records, and results of previous Subject Property assessments (if any and reasonably ascertainable).

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Section 6, **Subject Property Reconnaissance**, describes Kleinfelder's observations during the Subject Property reconnaissance. The methodology used and limiting conditions are also described.

Section 7, **Interviews**, is a summary of telephone and in-person interviews performed with "Key Site Managers" that may include the Subject Property owner/manager, occupants/tenants, local government officials, and the Client. Additional interview sources may be contacted if Key Site Managers were not available prior to production of this report, and may include adjoining landowners and people with historical knowledge of the area.

Section 8, **Evaluation**, is a presentation of findings and opinions regarding the information provided in Sections 3 through 7, and presents the conclusions regarding the presence of RECs connected with the Subject Property, and Kleinfelder's recommendations.

Section 9, **References**, is a summary listing of the resources used to compile this report.

A statement of qualifications of the signatories of this report is provided in Appendix A, and pertinent documentation regarding the Subject Property is included in Appendices B through D.

2.3 ADDITIONAL SERVICES

An evaluation of business environmental risk associated with the Subject Property was not included in Kleinfelder's scope of services. The scope of this Phase I ESA does not incorporate ASTM Standard non-scope considerations such as asbestos-containing materials (ACMs), radon, lead-based paint (LBP), lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, and high-voltage power lines.

2.4 SIGNIFICANT ASSUMPTIONS

Kleinfelder does not guarantee the accuracy of information supplied by its sources but reserves the right to rely on the information in forming a professional opinion regarding the potential for contamination at the Subject Property. It is assumed the Client provided Kleinfelder all applicable and available environmental records and specialized knowledge in its possession regarding the Subject Property. Kleinfelder assumes that any potential historical agrichemical/pesticide application which may be associated with the identified historical agricultural land use was performed in a customary manner in strict accordance with the agrichemical/pesticide manufacturer labels; and this assumption does not apply to any potentially identified areas

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associated with agrichemical storage, mixing, transportation, spills, and/or disposal. If specific information was not available, Kleinfelder also made assumptions for this Phase I ESA regarding the groundwater flow direction beneath the Subject Property based on observed conditions and a review of United States Geological Survey (USGS) Topographic Maps and online USGS StreamStats drainage basin delineation tool. Kleinfelder assumed that historical aerial photographs, topographic maps, and other information was representative of conditions during periods between coverage.

Kleinfelder has not made other significant assumptions during the performance of this Phase I ESA.

2.5 LIMITATIONS AND EXCEPTIONS

Environmental assessments are non-comprehensive by nature and are unlikely to identify all environmental problems or eliminate all risk. This report is a qualitative assessment. Kleinfelder offers a range of investigative and engineering services to suit the needs of our clients, including more quantitative investigations. Although risk can never be eliminated, more detailed and extensive investigations yield more information, which may help the Client understand and better manage risks. Since such detailed services involve greater expense, we ask our clients to participate in identifying the level of service, which will provide them with an acceptable level of risk. Please contact the signatories of this report if you would like to discuss this issue of risk further.

Kleinfelder performed this Phase I ESA in general accordance with the guidelines set forth in the ASTM Standard, and the proposed scope subsequently approved by the Client. No warranty, either express or implied, is made. Environmental issues not specifically addressed in this report were beyond the scope of our services and not included in our evaluation.

Land use, Subject Property conditions (both on-site and off-site), and other factors will change over time (e.g., EDR, *The EDR Radius Map™ Report with GeoCheck®*). Since Subject Property activities and regulations beyond our control could change at any time after the completion of this report, our observations, findings, and opinions can be considered valid only as of the date of *The EDR Radius Map™ Report with GeoCheck®* (September 7, 2023), which was used in the preparation of this report. Additionally, Subject Property conditions observed were limited to readily apparent environmental conditions observed at the Subject Property.

This report has been prepared to inform the Environmental Impact Report for the proposed Arrow Commerce Center Project in Rancho Cucamonga, California, and was prepared for Ascent

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(Client) on behalf of the City of Rancho Cucamonga (Owner/User). This report may be used only by the Client and the Owner, only for the purposes stated, but in no event later than one year from the date of the report. Pursuant to Section 4.6 of the ASTM Standard, this report should not be relied upon after 180 days from the date of its oldest component. Land or facility use, on- and off-site conditions, regulations, or other factors may change over time, and additional work may be required with the passage of time.

The Owner has the responsibility to see that all parties to the project, including the designer, contractor, subcontractors, etc., are made aware of this report in its entirety. This report contains information that may be useful in the preparation of the Environmental Impact Report.

No party other than the Client may rely on this report without prior written authorization from Kleinfelder. Based on the intended use of the report, Kleinfelder may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements by the Client or anyone else will release Kleinfelder from any liability resulting from the use of this report by any unauthorized party, and Client agrees to defend, indemnify, and hold Kleinfelder harmless from any claim or liability associated with such unauthorized use or non-compliance.

During the course of the performance of Kleinfelder's services, hazardous materials may have been discovered. Kleinfelder assumes no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury that results from pre-existing hazardous materials being encountered or present on the Subject Project, or from the discovery of such hazardous materials. Nothing contained in this report should be construed or interpreted as requiring Kleinfelder to assume the status of an owner, operator, or generator, or person who arranges for disposal, transport, storage, or treatment of hazardous materials within the meaning of any governmental statute, regulation, or order. Client is solely responsible for directing notification of all governmental agencies, and the public at large, of the existence, release, treatment, or disposal of any hazardous materials observed at the Subject Property, either before or during performance of Kleinfelder's services. Client is responsible for directing all arrangements to lawfully store, treat, recycle, dispose of, or otherwise handle hazardous materials, including cuttings and samples resulting from Kleinfelder's services.

2.6 SPECIAL TERMS AND CONDITIONS

No special terms and conditions were agreed to by the Client and Kleinfelder.

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3 SUBJECT PROPERTY DESCRIPTION

The Subject Property description is presented in this section and addresses the condition of the Subject Property at the time of the Phase I ESA. The Subject Property location is shown on Figure 1. Tables 3-1 through 3-4 summarize the physical characteristics of the Subject Property and adjoining properties.

3.1 LOCATION AND LEGAL DESCRIPTION

The information presented in Table 3-1 denotes the physical location and legal description of the Subject Property. This information was obtained from review of various maps (such as topographic maps and tax assessor maps), aerial photographs, public records at City and/or County offices, interviews, and/or information provided by the Client.

Table 3-1
Location and Legal Description

PARAMETER	INFORMATION/COMMENTS
LOCATION	The Subject Property is located west of the intersection of Etiwanda Avenue and Napa Street, at 8996 and 8998 Etiwanda Avenue in the City of Rancho Cucamonga in San Bernardino County, California (see Figure 1, Subject Property Location Map).
ASSESSOR'S PARCEL NUMBER	The Subject Property consists of APN 0229-283-79-0000 and a portion of APN 0229-283-83-0000.
LEGAL DESCRIPTION	Legal descriptions for the Subject Property parcels are presented in the *EDR Environmental Lien and AUL Search* reports (EDR, 2023a, 2024) provided in Appendix C.
ADDRESS(ES)	The Subject Property is associated with the addresses 8996 and 8998 Etiwanda Avenue.
SECTION, TOWNSHIP, AND RANGE	The Subject Property is located in Township 1 South, Range 6 West, Section 17, San Bernardino Meridian and Baseline.
ZONING	Based on information available via the City of Rancho Cucamonga website at Zoning Plan Viewer (arcgis.com), the Subject Property is zoned "IE", as Industrial Employment and as "FC/UC" as Flood Control/Utility.

3.2 CURRENT / PROPOSED USE OF THE SUBJECT PROPERTY

At the time of Kleinfelder's assessment, land use in the immediate Subject Property vicinity appeared to be used for commercial and industrial purposes. Current and proposed uses are described in Table 3-2.

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Table 3-2
Current / Proposed Uses

PARAMETER	GENERAL OBSERVATIONS
CURRENT USE	The Subject Property is currently vacant and unoccupied.
PROPOSED USE	Kleinfelder understands the Subject Property is being considered for redevelopment.

3.3 DESCRIPTION OF STRUCTURES / IMPROVEMENTS

Structures and/or improvements observed on the Subject Property at the time of Kleinfelder's Subject Property reconnaissance are described in Table 3-3.

Table 3-3
Structures / Improvements

PARAMETER	GENERAL OBSERVATIONS
STRUCTURES	There are currently no structures present on the Subject Property; however, some site features remain including various subsurface vaults, drain grates, manholes, concrete foundations, roads, reservoir, basins, swales, and two large ASTs.
IMPROVEMENTS	Asphalt paved roads, fencing, and utility infrastructure.

3.4 CURRENT USES OF ADJOINING PROPERTIES

Kleinfelder performed a brief drive-by survey of the properties adjoining the Subject Property on September 20, 2023. A summary of the surrounding properties is presented in Table 3-4 and shown on Figure 2, Subject Property Vicinity Map.

Table 3-4
Adjoining Properties

DIRECTION	LAND USE DESCRIPTION
NORTH	The Subject Property is adjoined to the north by Atchison Topeka and Santa Fe Railway (AT/SF Railway). North of the railroad tracks is Central Transport (8822 Etiwanda Ave, Rancho Cucamonga), and a vacant property (12459 Arrow Route, Rancho Cucamonga).
EAST	The Subject Property is adjoined to the east by Etiwanda Avenue. The properties on the east side of Etiwanda from north to south included an All State Recycling (scrap metal) facility located at 8889 Etiwanda Avenue; an empty gravel lot (east of which was the Aguilar Warehouse located at 8939 Etiwanda Ave, Etiwanda, and a new commercial building which was under construction), Napa Street, and then Trinity Bail Bonds (12951 Napa St, Fontana).

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Table 3-4 (Continued)
Adjoining Properties

DIRECTION	LAND USE DESCRIPTION
SOUTH	The Subject Property is adjoined to the south by an energy corridor for electrical transmission lines and the Southern California Edison Substation. The IEUA Water Reservoir occupied APN 0229-283-83-0000 (which includes the southwest portion of the Subject Property and extends off-site to the south). South-southwest of the southwest portion of the Subject Property was the Edison Grapeland Hybrid Generating Station and SCE Rancho Vista Substation at 12408 or 12484 6th Street, Rancho Cucamonga.
WEST	The Subject Property is adjoined to the west by the Southern California Edison BESS Separator (12396 6th St, Rancho Cucamonga).

A Southern California natural gas transmission pipeline was observed along the eastern Subject Property boundary, adjoining Etiwanda Avenue, and possible PCB-containing electrical equipment (SCE facilities, transmission towers, and electrical utilities along Etiwanda) were observed adjoining the Subject Property to the south, west, and east. During the Subject Property reconnaissance southern California Gas was repairing a leak on the pipeline adjoining the northeast corner of the Subject Property. Large ASTs were observed on the IEUA property (these were reported to contain water). Other hazardous materials and petroleum products were not observed to be stored on the properties adjoining the Subject Property at the time of the Subject Property reconnaissance. No other indications of obvious or suspect RECs were apparent on the adjoining properties at the time of Kleinfelder's Subject Property reconnaissance.

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4 RECORDS REVIEW

4.1 STANDARD ENVIRONMENTAL RECORD SOURCES

The purpose of the records review was to obtain and review records that would help to evaluate RECs of potential concern in connection with the Subject Property and bordering properties. Federal, state and local regulatory agencies publish databases or "lists" of businesses and properties that handle hazardous materials or hazardous waste, or are the known location of a release of hazardous substances to soil and/or groundwater. These databases are available for review and/or purchase at the regulatory agencies, or the information may be obtained through a commercial database service. Kleinfelder contracted a commercial database service, EDR of Shelton, Connecticut to perform the government database search for listings within the appropriate ASTM Standard minimum search distance of the Subject Property. Kleinfelder provided EDR with a Subject Property map to incorporate the search distances from the Subject Property boundary. Included in *The EDR Radius Map™ Report with GeoCheck®* is a listing of specific databases outlined by the ASTM Standard. A listing of the search distances, databases evaluated, dates the databases were last updated, and types of information contained in each database are included in the regulatory database search provided as Appendix B to this report.

EDR utilizes a geographical information system to plot the locations of reported spills, leaks, incidents, etc. Kleinfelder reviews this information to help establish if the Subject Property, or nearby properties, have been included in the noted databases and lists. Each of the listings was reviewed to assess whether the corresponding property details included in the EDR report revealed a potential environmental impact to the Subject Property. A number of listings in the EDR database report were found not to have the potential to impact the Subject Property based on the following, or a combination thereof:

- The listed property was located at a distance where the facility would be unlikely to impact the Subject Property based on Kleinfelder's evaluation of the relevant data in the EDR report and knowledge of the Subject Property vicinity.
- The listed property was located in a down-gradient or cross-gradient direction from the Subject Property, based on the anticipated direction of groundwater flow at the property being evaluated, and is located at a distance that would be unlikely to impact the Subject Property. Note that groundwater flow direction may be variable in the vicinity of the Subject Property and determinations as to down- or cross-gradient direction were made only when groundwater flow direction was available for a specific property.

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- The listed property was identified in the UST or Small Quantity Generator (SQG) databases and was not on or immediately adjoining the Subject Property. The property was not listed in other databases that reported a release of a hazardous substance or petroleum product and/or was not listed as having environmental violations. The listing of a facility on these databases alone is not indicative of an unauthorized release.
- The listing for the facility suggested a short-term release had occurred (i.e., from incidental traffic accidents, or chemicals from illegal drug labs found at residences) with associated response actions completed.
- The quantity of the hazardous substances or petroleum product released from an off-site facility was not considered to have resulted in contamination above the most stringent criteria that would require regulatory action. Therefore, no impact to the Subject Property is anticipated.
- The listed property record indicates that the property was characterized, the reported release affected soil only, the listed property was not on or adjacent to the Subject Property, and the release was not recognized as indicative of area-wide conditions or was characterized as a soil removal action only.
- The listed property record indicates that contamination on the property is limited to relatively non-mobile contaminants, including polyaromatic hydrocarbons and metals, in soil only, on a non-adjacent property.
- The listed property record indicates that the case has been closed to the satisfaction of the designated lead regulatory agency and residual contamination, if present, is not considered likely to affect the Subject Property based on one or more of the criteria mentioned in the bulleted items above (referred in the ASTM Standard as an HREC).

Based on these criteria indicating no material threat of a release that affected the Subject Property and/or no release that could require future regulatory agency oversight, these listings were not evaluated further and are not discussed in the following sections.

4.2 RESULTS OF DATABASE SEARCH

The remaining property listings were reviewed to assess whether these properties had environmental releases, which may have resulted in RECs in relation to the Subject Property. The listed properties for which a reported release may have resulted in a REC were further assessed by performing a review of agency files available through the SARWQCB / State Water Resources Control Board (SWRCB's) GeoTracker™ website (https://geotracker.waterboards.ca.gov/) and o

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ther relevant regulatory agency websites, to evaluate whether the listed release represents a potential impact to the Subject Property.

4.2.1 Subject Property Listings

The Subject Property address 8996 Etiwanda Avenue was listed under the following names:

- NRG California South LP and NRG Energy Inc. NRG California South LP was listed in the AST, SWEEPS UST, HIST UST, CHMIRS, Emissions Inventory (EMI), National Pollutant Discharge Elimination System (NPDES), Waste Discharge System (WDS), California Integrated Water Quality System (CIWQS), Land Disposal Site (LDS), San Bernardino County Permit, and California Environmental Reporting System (CERS) databases.
- Etiwanda Generating Station was listed in the RCRA-Large Quantity Generator (LGQ), Toxic Substances Control Act (TSCA), Facility Index System (FINDS), Enforcement and Compliance Online (ECHO), Waste Management Unit/Solid Waste Assessment Test (WMUDS/SWAT), and CHMIRS databases.
- Etiwanda Launcher Facility was listed in the HIST UST database.

The CERS database lists the Etiwanda Generating Station as a chemical storage facility. Enforcement actions listed in the CERS database include a notice of violation dated October 21, 2014; however, no further details were provided. Kleinfelder additionally reviewed the FINDS and ECHO databases which indicated that the Subject Property was listed in Geotracker as under LDS Case No. L10004706415 and under SARWQCB Case No. SL208183873. The FINDS database also indicated that Subject Property was listed in Emission Inventory System, RCRA, TSCA, Hazardous Waste Tracking System (HWTS), and Integrated Compliance Information System (ICIS) databases. Based on Kleinfelder's review of the associated SARWQCB Case No. SL208183873 archived case, listed as open on July 1, 1995 and closed as of December 3, 1997. The LDS database lists the Etiwanda Generating Station as having a closed case (Case No. L10004706415) as of November 22, 2006.

The RCRA Listings indicated that the Etiwanda Generating Station, owned by BTC II Etiwanda Commerce Center LP was a LQG in 2021. The RCRA listings indicate that BTC II Etiwanda Commerce Center LP became the owner March 8, 2019. Prior owners listed included Etiwanda Generating Station (listed as a LGQ in 2000, 2011, 2013, 2016, 2022, as a SQG in 2019), Mountain Vista Power Gen LLC (listed as a LGQ in 1998), RRI Energy-Etiwanda (listed as a LGQ in 2010), Reliant Energy Etiwanda (listed as a LGQ in 2002, 2004, 2006, 2008 and SGQ in 2006), NRG California South, LP, Genon West LP, GenOn California South LP. The North American

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Industry Classification System (NAICS) description provided by the RCRA database describes the Subject Property as an electrical power generation, transmission and distributing facility, and as fossil fuel power generation, and other activities related to real estate.

The Etiwanda Generating Station was also listed in the TSCA database. Approximately 47,738 pounds of liquid ammonia was reported to be used at this facility under parent company, NRG Energy, Inc in the TSCA 2012-2015 database.

The Etiwanda Generating Station was listed twice in the AST database under owners NRG California South, LP and Reliant Energy Etiwanda. The AST capacity was not included in the AST listing under NRG California South, LP; however, the AST listing under Reliant Energy Etiwanda indicated that ASTs containing approximately 210,850 gallons of stored substances were present at the facility. The SWEEPS UST database indicate that a 550-gallon UST had been active at the Etiwanda Generating Station in 1988. The HIST UST database indicated that seven USTs were at the Etiwanda Generating Station, and then listed 17 USTS including one 480-gallon waste sump/UST installed in 1970, three 500-gallon waste UST installation year not reported, one 550-gallon product UST installed in 1952, one 550-gallon product UST installation dated not reported, one capacity unknown waste USTs, six unknown capacity product USTs, one 120-gallon product UST installed in 1952, one 1,300-gallon waste UST installed in 1950, one 64,000-gallon waste UST installed in 1980, and one 1,600,000 gallon waste UST. The linked State Water Resources Control Board Hazardous Substance Storage Container Information for San Bernardino County, dated June 1, 1988, listed the following USTs: one 480-gallon waste sump/UST installed in 1970, three 500-gallon waste USTs installation year unknown, one 1,300-gallon waste UST installed in 1950, one 64,000-gallon waste UST installed in 1980, and one 1,600,000-gallon waste UST. A copy of the historical UST tank inventory is included in Appendix C.

The Etiwanda Launcher facility was listed in the HIST UST database as having one 200-gallon product UST installed in 1984. This facility was indicated to be an electric utility facility owned by SCE.

The CHMIRS database indicates that a 42-gallon release of lube oil occurred at the substation on June 15, 2016 when a pressure gauge ruptured. The release occurred within a containment area and had no contact with soil or water. Another equipment malfunction occurred on June 30, 1999, where 500 gallons of cooling tower water was released into the Chadwick Channel. Vacuum trucks were used to recover the release. A third incident occurred on March 3, 2010 and involved oil lines on a piece of equipment breaking and releasing 35-gallons of lube oil. This incident was reportedly contained and cleaned up by a contractor.

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The Etiwanda Generating Station was listed in the CIWQS and WDS databases as having historical waste discharge requirements (WDR) between January 28, 1994 and July 19, 2001. NRG Energy Inc was listed in the CIWQS database as having an industrial storm water permit (NPDES CAS 000001) between April 24, 1992 and September 18, 2000, and April 24, 1998 and September 13, 2018. NRG Energy Inc. was listed in the NPDES database under Etiwanda Generating Station as having a NPDES permit (CAS000001) activated April 24, 1998 and terminated as of September 13, 2018. The permit was reported to discharge to the Chadwick Channel and then to the Santa Ana River. BTC III Etiwanda Commerce Center LP was listed in the CIWQS and NPDES database as having a stormwater construction permit (NPDES # CAS000002) as of July 30, 2021. ESS Adjacent to Etiwanda Substation Separator was also listed as having a stormwater construction permit as of February 19, 2022. The Etiwanda Generating Station was listed in the WMUDS/SWAT database as a NPDES facility that discharges process water. The facility was identified as a moderate threat to water quality.

The EMI database indicates that the facility was listed as having air emissions under the jurisdiction of the South Coast Air Quality Management District (SCAQMD) as follows:

- So Cal Edison Co was listed as having emissions in the EMI database from 1987 to 2000;
- Mountain Vista Power Generation, LLC was listed as having emissions in the EMI database in 2001 and from 2009 to 2011;
- Reliant Energy Etiwanda, Inc was listed as having emissions in the EMI database from 2002 to 2007;
- RRI Energy Etiwanda, Inc in 2008; and,
- NRG California South LP from 2013 to 2018.

The San Bernardino County Permit database indicated that permits listed for the Etiwanda Generating Station (owner BTC II Etiwanda Commerce Center LP) included hazardous chemicals 11-30 (inactive 9/30/23), RCRA Large Quantity Generator (inactive 9, 30. 19, 9/30/23), Risk Management Program (RMP) Inspection – Program 1 (inactive 9/30/19), California Accidental Release Prevention (CalARP State Fee (inactive 9/30/13, 9/30/19), Aboveground Petroleum Storage Act (APSA) 1,320-10,000-gallon facility capacity (inactive 9/30/19), Emergency Planning and Community Right-to-Know Act (EPCRA) Facility (inactive 9/30/13), Conditionally Exempt (CE) Annual Fee (inactive 9/30/03).

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The Subject Property address 8998 Etiwanda Avenue was listed under the following names:

- Southern California Edison – Etiwanda Generating Station was listed in the Envirostor and San Bernardino County Permit databases.
- EPTC Etiwanda was listed in the Corrective Action (CORRACTS) and RCRA Non-generator/No Longer Regulated (Nongen/NLR) databases.
- Etiwanda Pumping Station & Tank Farm was listed in the HWTS, Envirostor Permitted Facilities (HWP), and Facility and Manifest Data (HAZNET) databases.

Southern California Edison- Etiwanda Generating Station was listed on the Envirostor database under US EPA ID CAD079548574 as having a Corrective Action cleanup site as of February 2, 1995. ASTs were indicated to have been at the subject Property and constituents of concern were identified as PCBs and vanadium compounds in soil. Based on review of the summary available on Envirostor, a Stipulation, from the Superior Court of California, LA County, No. 121219, dated February 1, 1995, indicated that Edison had stored hazardous waste in non-permitted wastewater retention basins at their electrical generating stations in southern California (including the Subject Property). In response to the final judgement of this Stipulation, Edison agreed to clean and close the basins under corrective action. Groundwater monitoring reports were submitted to the DTSC summarizing annual groundwater sampling activities in 2010 and 2011. The DTSC issued a letter entitled “Closure Certification Acknowledgment: Southern California Edison, Etiwanda Generating Station Retention Basin Site, 8996 Etiwanda Avenue, Rancho Cucamonga, California 91739, San Bernardino County, EPA ID Number CAD 079 548 574” dated December 29, 2011, and a CEQA Notice of Exemption was dated September 10, 2012. The Envirostor database listing, also indicated that a Consent Agreement had been entered into on June 3, 2021 regarding the Black Creek Parcel and the IEUA Parcel. The investigations for these parcels were also listed under EPA ID CAD079548574. The Etiwanda Generating Station is located on the Subject Property’s main parcel and the IEUA Parcel is the southwest corner of the Subject Property. EPTC Etiwanda was listed in the CORRACTS database under the same ID as the above Etiwanda Generating Station and IEUA corrective action, and multiple investigation reports are listed for the Subject Property. The details of the retention basin closure, and the investigations performed since 2021 are discussed in Section 4.1.6.

The HWP database indicated that the EPTC Etiwanda facility was a historical-non operating site. It indicated that in the 1980s SCE facilities in Southern California stored hazardous waste in surface impoundments. SCE applied for a DTSC permit but was exempted from the Hazardous Waste RCRA Permit fee requirements and was granted an Interim Status on March 30, 1981. A

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Variance Status was issued on January 29, 1987 allowing on-site treatment of liquid hazardous waste. A Final Judgement Pursuant Stipulation, Court Order, No, BC121219, was issued to SCE to clean up and close its retention basins in Southern California. The facilities performed Corrective Action investigation and cleanup activities until they achieved closure. Cleanup Units were identified as Boiler chemical Cleaning Basin, North Wastewater Retention Basin, South Wastewater Retention Basin, Unit 1 Fireside Wash Drain System, Unit 1: Boiler Acid Wash Drain System Unit 2: Boile Acid Wash Drain System, Unit 3: Fireside Wash System Sediment trap, Unit 4: Acid Wash Drain System, Unit 4: Fireside Wash Drain System, and Unit 4: Fireside Wash System Sediment Trap. The EPTC Etiwanda facility was granted cleanup closure as of December 21, 2011 and closure verification on December 21, 2015.

The San Bernardino County Permit listing for the Etiwanda Facility indicated that Pacific Terminals had the following permits: hazardous waste generator (inactive August 31, 2004), hazmat handler (inactive August 31, 2004), and AST (inactive August 31, 2004). Pacific Terminals owned the parcel in the southwest portion of the Subject Property, prior to it being occupied by IEUA.

The RCRA Listings for EPTC Etiwanda indicate that Southern California Edison EPTC was the owner/operator in 1960. EPTC Etiwanda was listed as a SQG in 1998 and a non-generator in 2023. The SCE Etiwanda Generating Station was listed as a LGQ in 1992, 1996, and 1999. Notices of violations at this facility under the RCRA listings included a written informal notice in regard to groundwater monitoring on September 23, 1993, and several other general informal written violations in 1992, 1993, and 1998. A final civil judicial action for compliance was recorded on February 1, 1995, and September 23, 1993.

EPTC was listed in the HAZNET and HWTS databases as having an US EPA ID between August 29, 2003 and August 29, 2007. Tank bottom waste with halogenated organics was generated in 2005. The facility was described by the NAICS listing as a “Pipeline Transportation of Crude Oil” between 2003 and 2007.

4.2.2 Non-Subject Property Listings

The following non-Subject Property facilities were assessed as potential concerns to the Subject Property. A summary of the information is included in Table 4-1.

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Table 4-1
Off-Site Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
SCE Etiwanda Switchyard	9000 Etiwanda Avenue	Adjoining to the south	This facility was listed in the AST, San Bernardino Co. Permit, and CERS databases. The AST database lists the facility as having a total of 128,503 gallons of AST capacity. The San Bern Co. Permit database indicated that the SCE Etiwanda Switchyard has an active Hazardous material (1-3 chemicals special) and APSA Exempt permit. No releases were reported for this facility. Based on the depth to groundwater in the vicinity of the Subject Property, any unreported releases at this facility are unlikely to have impacted the Subject Property, therefore, this facility is not considered a REC.
California Home Brands Inc	8930 Etiwanda Avenue	Approximately 20-feet east-northeast	This facility was listed in the HWTS, RCRA-SQG, FINDS, ECHO, and HAZNET databases as a generator of hazardous waste. The HWTS lists the facility as generating hazardous waste between April 10, 1987 and June 30, 1998. This facility was historically a large quantity generator in 1986 and 1990, and a small quantity generator in 1996. The NAICS description in the RCRA-SQG database indicates that this facility was a metal can, jewelry, and silverware manufacturer. No violations were reported in the RCRA database. The HAZNET database indicated that the following wastes were generated at this facility: aqueous solution with 10 percent or more total organic residues, contaminated soil from site-cleanup, asbestos-containing waste, waste oil and mixed oil, unspecified organic liquid mixture, off-specification , aged, or surplus organics, liquids with pH less than 2, aqueous solution with pH between 2 and 12.5 containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions), hydrocarbon solvents, and other organic solid waste according to the HAZNET database. Based on the depth groundwater in the Subject Property vicinity being approximately 400 feet bgs, and no reported releases at this facility, this facility is not considered a REC to the Subject Property.

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Table 4-1 (Continued)
Off-Site Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
All State Paper & Metal Recycling Co Inc.	8889 Etiwanda Avenue 8949 Etiwanda Avenue	Approximately 113-feet east-northeast	This facility is listed on the NPDES, San Bern Co. Permit, Cleanup Program Sites (CPS-SLIC), and CERS databases. The facility was listed on the NPDES database as having a scrap metal permit issued on May 18, 2012 and expired October 18, 2017. The San Bernardino Co. Permit database listed an inactive small quantity generator permit and an inactive Hazardous Materials 4-10 Chemicals permit expired January 31, 2017. The CPS-SLIC database listing indicated that All State Recycling had a cleanup case for lead-impacted soil. This case was closed June 28, 2013. Based on Kleinfelder's review of the available documents on Geotracker™, limited subsurface investigations were conducted by Rubicon Engineering Corporation in 2012 (Rubicon, 2012a, 2012b). These investigations identified concentrations of lead, TPH, and PCB in near-surface soils. Remedial excavation was performed to remove the impacted soil and approximately 144 cubic yards of soil was removed. Confirmation samples indicated that PCBs were not detected and the detected lead concentrations were below the background range for California (Rubicon, 2013). The San Bernardino County Fire Department issued case closure on June 28, 2013. Based on the closed case status, this facility is not considered a REC.

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Table 4-1 (Continued)
Off-Site Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
DP Etiwanda SA Recycling Simsmetal America	8822 Etiwanda Avenue	Approximately 150-feet north	DP Etiwanda is listed in the Envirostor, VCP, Deed Restrictions (DEED), CHMIRS, EMI, HAZNET, NPDES, San Bern Co. Permit, CIWQS, CERS, HWTS, RCRA-LQG, and RCRA-SQG databases. SA Recycling was listed in the RCRA Non-Gen/NLR, HWTS, AST, HAZNET, and CIWQS databases. Simsmetal America was listed in the HWTS, RCRA-SQG, SWEEPS UST, HIST UST, FINDS, ECHO, EMI, and HAZNET databases. Simsmetal America was listed in the RCRA listings as a RCRA-SQG in 1996 and 1998. Lead was reported to have been generated in 1996. No violations were listed. Simsmetal America/Etiwanda Division was listed as a recyclable material wholesaler in the HWTS database from April 10, 1987 through June 30, 2004. Waste listed as generated at this facility in the HAZNET database includes unspecified aqueous solution, unspecified oil-containing waste, oil/water separation sludge, PCBs and material containing PCBs, other empty containers 30 gallons or more, and tank bottom waste between 1989 and 2003. Ferromet, Inc was listed in the SWEEPS UST database as having a 9,940-gallon diesel UST and a 1,009-gallon unleaded fuel UST. The HIST UST database lists Ferromet, Inc as having a 9,940-gallon diesel UST installed in 1980, a 555-gallon regular product UST/sump and a 1,009-gallon unleaded product UST installed in 1972. Ferromet, Inc was listed in the EMI database in 1987 and 1990. A CHMIRS incident dated May 21, 2003, was listed for a call regarding metal dust originating from the recycling plant. DP Etiwanda was listed on the EMI database under Pacific Coast Recycling, LLC from 2008 through 2010. DP Etiwanda was listed in the RCRA listings as a LQG in 2018 and a SQG in 2022. Generated waste included cadmium and lead in 2018 and lead in 2022. The NAICS code description for DP Etiwanda was “process, physical distribution, and logistics consulting services” in 2018 and “Freight Transportation Arrangement” in 2022.

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Table 4-1 (Continued)
Off-Site Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
DP Etiwanda SA Recycling Simsmetal America	8822 Etiwanda Avenue	Approximately 150-feet north	(Continued) SA Recycling was listed in the AST database and the HAZNET database. Generated waste included unspecified solvent mixture, waste oil and mixed oil, halogenated solvents (chloroforms, methyl chloride, and perchloroethylene), unspecified organic liquid mixture, contaminated soil from site cleanup, PCB and material containing PCBs, aqueous solution with total organic residues less than 10 percent, other organic solids, unspecified aqueous solution, and unspecified oil-containing waste between 2010 and 2017. The contaminated soil from site cleanup waste was generated in 2017. SA Recycling was also listed in the HAZNET database as generating asbestos-containing waste in 2017. Central Transport is listed in the CIWQS and NPDES databases as an industrial trucking facility with an active industrial stormwater permit in 2021. DP Etiwanda was listed as having a storm water construction permit between 2018 and 2020. SA recycling was listed as having a scrap metal permit between 2012 and 2017. The San Bern Co. Permit database lists SA Recycling as having large quantity generator; APSA 1,320-10,000-gallon FAC capacity tank; and hazardous materials permits which expired on November 30, 2018, and an appliance recyclers permit, which expired on November 30, 2017. The San Bern Co. Permit database lists Sims Metal America as having two inactive permits for hazardous waste generators (0-10 employees) and HAZMAT handler 0-10 employees (w/ Gen Permit) that expired on July 31, 2004. DP Etiwanda was listed in Envirostor, VCP, and DEED databases as having a land-use restriction as of October 22, 2020. Past use of the property was indicated to include railroad right-of-way, USTs, and recycling scrap metal. Site investigation activities were performed under a voluntary cleanup agreement between 2018 and 2020. Soil was reported to have been impacted with lead, PCBs, and TPH. Remedial excavation was performed; however, residual concentrations of lead and PCBs were present along the property's western,

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Table 4-1 (Continued)
Off-Site Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
DP Etiwanda SA Recycling Simsmetal America	8822 Etiwanda Avenue	Approximately 150-feet north	(Continued) northwestern and southern boundaries. A LUC was executed between DP Etiwanda and DTSC restricts the property to commercial/industrial use and requires annual inspections and five-year reviews. The Envirostor listing and land use restriction are further discussed in Section 4.3.4. DP Etiwanda was listed in the HWTS database under USEPA ID CAP000332783 between January 6, 2022 and April 7, 2022. SA Recycling, a recycling material wholesale facility, was listed under US EPA ID CAL000359034 between November 29, 2010 and June 30, 2018, though it was indicated to not be a generator in 2010. SA Recycling was listed again in the HWTS database under US EPA ID CAC002925489 between August 28, 2017 and November 29, 2017. Based on the long history of metal recycling operations at this property, the location of this facility adjoining the Chadwick Channel which drains into the Subject Property, and the recorded presence of residual contamination present on the western boundary of this property (adjoining the Chadwick channel), there is potential for contaminants on this property to have drained onto the Subject Property in the past, therefore, this property is considered an environmental concern.. However, since this property has been mostly remediated with only localized areas of residual contamination, redeveloped as a trucking facility, and operates under a LUC, in Kleinfelder's opinion it is no longer considered a REC.

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Table 4-1 (Continued)
Off-Site Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Bernell Hydraulics Inc. Yaquis Truck Repair AG Transport	8810 Etiwanda Avenue 8821 Etiwanda Avenue	Approximately 258-feet northeast	This Bernell Hydraulics is listed on the Envirostor, VCP, AST, CERS HAZ WASTE, HAZNET, HWTS, CERS TANKS, CHMIRS, NPDES, San Bern Co. Permit, WDS, CIWQS, CERS, PFAS ECHO, RCRA NonGen/NLR, RCRA-SQG, FINDS, and ECHO databases. Yaquis Truck Repair was listed in the RCRA Nongen/NLR as not a generator in 2017 with no violations listed. A G Transport was listed in the San Bernardino Co. Permit database. Inactive permits were listed for AG Transport, Precision Tool Works, and CJM Trucking Company. Bernell Hydraulics was listed in CERS HAZ WASTE, CERS Tanks, and AST databases as a hazardous waste generator that maintained ASTs. This facility was listed as a SQG of hazardous waste in 2000. Generated waste included PCE. Bernell Hydraulics was listed in the RCRA listings as not a generator in 2011 and 2021. The NAICS code description was “industrial machinery and equipment wholesalers” in 2011 and “leather and hide tanning and finishing in 2021”. No violations were listed under the RCRA listings. The San Bernardino Co Permit database listed Bernell Hydraulics Inc as having an active SQG permit, hazardous materials 4-10 chemicals permit, and APSA 1,320-10,000-gallon facility capacity permit. An inactive AST permit was listed as expired September 30, 2010. The CERS database listing indicates Bernell Hydraulics is a chemical storage facility with violations for failure to prepare a spill prevention control and countermeasure plan, failure to label hazardous waste accumulation tanks correctly, failure to submit annual stormwater reports on time, failure to submit complete hazardous material inventory, failure to review and certify business plan annually, failure to send hazardous waste offsite for disposal within 180 days, failure to obtain USEPA ID, failure to maintain used oil receipts and waste manifests for three years, failure to submit tank facility statement, and failure to submit accurate APSA information on CERS.

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Table 4-1 (Continued)
Off-Site Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Bernell Hydraulics Inc. Yaquis Truck Repair AG Transport	8810 Etiwanda Avenue 8821 Etiwanda Avenue	Approximately 258-feet northeast	(Continued) A CHMIRS listing for this facility listed an incident dated February 20, 2002 for the release of approximately 500 gallons of used oil. The incident description indicated that Bernell Hydraulics employees were possibly disposing of used oil over the wall into a dry drainage channel. This was reported to be under investigation. Bernell Hydraulics Inc was listed in the WDS, NPDES, and CIWQS databases as active since April 26, 1995. The NPDES listing described Bernell Hydraulics as an industrial machinery and equipment facility including fluid power cylinders and actuators. Bernell Hydraulics was listed the Envirostor and VCP databases as an active voluntary cleanup case as of September 17, 2021. The Standard Voluntary agreement was completed February 2, 2022. Supplemental site assessment activities were listed to be performed in 2023. Based on Kleinfelder's review of the Voluntary Cleanup Agreement (VCA), the property was historically developed as a Department of Transportation maintenance yard by 1938, with site structures constructed between 1949 and 2005. The property was occupied by Mountain Metals, a metal recycling facility between 1970 and 1980. From the 1980s through the present, the property was reported to be occupied by a hydraulic systems fabrication, maintenance, and repair facility.

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Table 4-1 (Continued)
Off-Site Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Bernell Hydraulics Inc.	8810 Etiwanda Avenue 8821 Etiwanda Avenue	Approximately 258-feet northeast	(Continued) A Phase I ESA dated October 29, 2020, was performed by Ninyo & Moore on this property (Ninyo & Moore, 2020). This Phase I ESA reported that the site received violations for poor housekeeping and had heavy oil staining. The site reconnaissance noted spilled hydraulic oil in the northern portion of the property. An ERNS database listing indicated that "50 or more 55-gallon drums of motor oil and hydraulic oil that were knocked over and overfilled for a long period of time" in 1998. The cleanup status was indicated to be "fixed", with no other details provided. Two incidents were reported on the Water Board SMARTs database. An incident of overflow from the oil filter area in 2015 resulted in runoff to the storm drain south of the property and north of the SCE property (the Subject Property). A CHMIRS database listing described an incident of employees dumping approximately 500 gallons of used oil over the wall causing oil to enter the dry channel located nearby and is under investigation. Ninyo & Moore identified the long use of the property as a maintenance yard (since 1938) and then a hydraulics facility and the heavy staining and poor housekeeping as RECs with the potential for vapor encroachment on the site. A Limited Phase II ESA Report, dated January 7, 2021, prepared by Ninyo & Moore (Ninyo & Moore, 2021), documented a soil and soil vapor assessment at the property. Slag material was encountered beneath the pavement. Elevated concentrations of copper (up to 690 mg/kg), lead (up to 220 mg/kg), and PCBs (Aroclor-1254 maximum 2,200 micrograms per kilogram [µg/kg], Aroclor-1260 maximum1,500 µg/kg) were detected in soil. PCE was reported to be present in soil vapor at concentrations up to 240 micrograms per meter cubed (micrograms per cubic meter [$\mu g/m^3$]). Due to this facility having an active cleanup case and reports of improper waste oil disposal, this facility is considered an environmental concern. However, as this facility does not adjoin the Chadwick Channel or the Subject Property, it is not considered a REC.

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Table 4-1 (Continued)
Off-Site Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Tamco TI Wire Ameron Steel & Wire Gerdau / Gerdau Steel BTC III Arrow Route CC LP	12459-B Arrow Route 12451 Arrow Route	Approximately 543-feet northwest	Tamco is listed in the Active UST facilities (UST), leaking underground storage tank (LUST), Superfund Enterprise Management System Archive (SEMS-Archive), RCRA-SQG, Envirostor, (CPS-SLIC), VCP, SWEEPS UST, Hazardous Substance Storage Container Database (HIST UST), EPA Watch List, Cortese, Hist Cortese, San Bernardino Co. Permit, CERS, and CERS Haz Waste databases. TI Wire was listed in the LUST, AST, CHMIRS, NPDES, San Bernardino Co. Permit, CIWQS, and CERS databases. Ameron Steel and Wire was listed in the LUST, Cortese, and Hist Cortese databases. BTC III Arrow Route was listed on the EnviroStor, VCP, NPDES, San Bern Co. Permit, CIWQS, and CERS databases. Although the above listings are at the same address, or refer to a larger property that includes the address, some of the reviewed listings pertained to properties north and adjoining the Tamco property (TI Wire, Ameron Steel and Wire) or former occupants of the northern parcel adjoining Arrow Route (Fontana Steel). As these properties are not adjoining to the Subject Property, and based on Kleinfelder's review, are unlikely to have impacted the Subject Property, they are not summarized here. TAMCO was listed as the owner operator at this address in the RCRA listings since 1974, and BTC III Arrow Route CC LP was listed as the owner operator in 2021. TAMCO was listed as a LQG of hazardous waste in 1983, 1992, 1994, 1996, 1998, 1999, 2000, 2002, 2004, 2006, 2008, 2011, 2012, 2014, 2016, 2018, 2020, and 2022. An additional RCRA listing indicated that TAMCO was not a generator in 2022. BTC III Arrow Route CC LLP was listed as a SQG in 2021 and 2022. NAICS descriptions for this facility include iron and steel mills, ferroalloy manufacturing, rolled steel shape manufacturing, and real estate activities. RCRA violations included generator-general violations in 2003, 2005, and 2006. The facility was indicated to be a significant non-complier in 2003, 2005, and 2012. Evaluation notes from 2007 and 2013 indicate that the facility was "no longer a significant non-complier".

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Table 4-1 (Continued)
Off-Site Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Tamco TI Wire Ameron Steel & Wire Gerdau / Gerdau Steel BTC III Arrow Route CC LP	12459-B Arrow Route 12451 Arrow Route	Approximately 543-feet northwest	(Continued) The Envirostor listing (ID No. 36330050) was for the TAMCO facility with a status of “referred to other agency” as of August 31, 1995. This listing indicates that facility operations potentially contaminated soil with baghouse waste containing lead, cadmium, chromium, chromium VI, and nickel. A Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Preliminary Assessment (PA) was conducted by the USEPA, and findings indicated no further action was required by the US EPA and DTSC, but the case was referred to San Bernardino County. Based on the information available in the SEMS-Archive database, TAMCO was investigated by the US EPA in 1993 and then indicated to not be a National Priorities List (NPL / Superfund) site in 1994. A CPS-SLIC case for the TAMCO facility was listed as a closed cleanup program site as of November 7, 1990. The case closure letter, prepared by the SARWQCB, was provided on GeoTracker™ (ID No. SLT8R1914124). This letter indicated that lead-contaminated soil had been excavated and removed from the adjoining property southwest of TAMCO (west of the Subject Property). Excavation and confirmation sampling was performed until contamination had been removed. Remediation activities had been documented in a report prepared by Cleanup Technology. No further action was required. The SWEEPS UST database reported one 10,000-gallon petroleum diesel UST, a 2,000-gallon regular unleaded gasoline UST, two 50,000-gallon diesel USTs, and two 50,000-gallon fuel oil tanks were historically present at the TAMCO facility. The HIST UST database listed four 50,000-gallon diesel USTs installed in 1975. A closed LUST case was listed for TAMCO for gasoline having impacted soil. The release was discovered during tank removal on November 4, 1993. The impacted soil was excavated and removed, and the case was closed May 11, 1994. Based on Kleinfelder’s review of the case closure documentation available on GeoTracker™ (Site ID No. T0607100309), four 50,000-gallon diesel USTs

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Table 4-1 (Continued)
Off-Site Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
Tamco TI Wire Ameron Steel & Wire Gerdau / Gerdau Steel BTC III Arrow Route CC LP	12459-B Arrow Route 12451 Arrow Route	Approximately 543-feet northwest	(Continued) were removed November 4, 1993. The USTs and piping were decontaminated and scrapped to be processed into rebar at TAMCO. Remedial excavation was performed up to 23 feet, and approximately 633-cubic yards of soil was removed and disposed of off site. Diesel was not detected in soil after remedial excavation. The Cortese database listing was for a closed LUST case. A CHMIRS listing indicated that on March 26, 2007 a truck delivering scrap metal to TAMCO set off the radiological reading. A CIWQS database listing under TI Wire indicated that in a 2009 Water Board Case Development Inspection four companies met to discuss the stormwater treatment system on the Tamco property as the system was unable to handle all the stormwater runoff from the properties to the north, northeast, and east. TI wire planned to construct a trench to divert stormwater runoff to the culvert that extended from its eastern property boundary to the energy company to the south (the Subject Property). A VCA is currently active (Envirostor ID No. 36340066) as of 2022 for the former TAMCO property under the current owner, BTC III Arrow Route, listed at address 12451 Arrow Route. In summary, TPH, metals, and PCB concentrations were detected in shallow soils in the southwest and southeast portions of the property and VOC concentrations were detected in soil vapor in the southeastern portion of the property. These investigations are discussed in Section 4.3.4. Based on the ongoing site assessment activities and reported concentrations of contaminants in surface soil, the historical occurrence of stormwater runoff from this facility impacting the property west of the Subject Property, and the report that stormwater runoff flows to the Subject Property, this property is considered an environmental concern. However, as this property is currently being cleaned up to commercial standards and is proposed to be redeveloped, the historical sources of contamination are no longer present, and this facility is no longer considered a REC.

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Table 4-1 (Continued)
Off-Site Facilities of Potential Concern

FACILITY OR SITE NAME	FACILITY OR SITE ADDRESS	PROXIMITY TO SUBJECT PROPERTY (FEET)	COMMENTS
CHB Foods	Not Listed	Approximately 52 feet east	This facility was found in the per- and polyfluoroalkyl substances (PFAS) ECHO database for paints and coatings. Kleinfelder also reviewed the ECHO database and determined this facility was a metal can manufacturer. No violations were identified. This facility is not considered a REC.

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In summary, multiple facilities in the vicinity of the Subject Property were listed as storing or maintaining hazardous waste, or as having spills or cleanup cases associated with them. Based on the long history of industrial use of the Subject Property vicinity and the presence of stormwater channels draining onto and through the Subject Property from these adjoining properties, in Kleinfelder's opinion, there is high potential for regional impacts to the subsurface in the Subject Property vicinity. Therefore, the long history of industrial use of the Subject Property vicinity is considered an environmental concern; however, based on remediation, redevelopment, and land-use controls on nearby properties, industrial use of the Subject Property vicinity is no longer considered a REC.

4.2.3 Orphan List

Sites not plotted by EDR due to poor or inadequate address information are referred to as orphan sites. Three unmapped orphan sites are listed in the EDR report. The orphan summary/unmapped site report was reviewed to assess the potential for the listed facility to pose a REC to the Subject Property. The orphan site Fore Foothill & Grove is located at a distance approximately 5.5-miles west-northwest and cross-gradient to the Subject Property and does not present an environmental concern to the Subject Property. The orphan site Etiwanda Street location was not defined; however, the case was listed as an abandoned drug lab on October 10, 1997, and does not present an environmental concern to the Subject Property. The orphan site 14253 Whittram Avenue is located at a distance approximately 1.75-miles east-northeast and cross-gradient to the Subject Property and does not present an environmental concern to the Subject Property.

4.3 OTHER RECORDS REVIEWED / AGENCIES CONTACTED

The following additional sources of environmental records were reviewed during this Phase I ESA for the purposes of meeting the ASTM Standard. Local regulatory agencies were contacted for reasonably ascertainable and practically reviewable documentation regarding RECs present at the Subject Property and adjoining facilities. Summaries of interviews with local regulatory agency representatives are included in Section 7 of this report (with interview documentation included in Appendix C). Figures associated with historical site investigations are presented in Appendix E. The following agencies (if marked with an "X") were contacted for documentation:

☒ .....Pipeline and Hazardous Materials Safety Administration (PHMSA), National Pipeline Mapping System (NPMS).
☒ .....State of California, California Geologic Energy Management Division (CalGEM).
☒ .....State Water Resources Control Board, GeoTracker™ Database.

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☒ .....State of California, Department of Toxic Substances Control, EnviroStor Database.
☒ .....South Coast Air Quality Management District (SCAQMD).
☒ .....San Bernardino County Fire Protection District – Hazardous Materials Division (HMD).
☒ .....City of Rancho Cucamonga Building and Safety Department.
☒ .....City of Rancho Cucamonga Fire District.
Information from these agencies is presented below.

4.3.1 Pipeline and Hazardous Materials Safety Administration, National Pipeline Mapping System

Pipeline information is available at the PHMSA's online NPMS website (https://www.npms.phmsa.dot.gov). Kleinfelder researched the website's pipeline information for the Subject Property and its vicinity on September 12, 2023. Based on Kleinfelder's review, a hazardous liquid pipeline adjoins the southern boundary of the southwest portion of the Subject Property and extends westward. This pipeline was identified as "West Coast Terminals" and was indicated to be permanently abandoned as of June 14, 2022. A gas transmission pipeline, "Southern California Gas Co" was drawn to the east of the Subject Property, extending north to south along Etiwanda Avenue. This pipeline was indicated as active and filled with natural gas as of November 7, 2022. Copies of the NPMS map and pipeline information is included in Appendix C.

4.3.2 California Geologic Environmental Management (CalGEM)

Kleinfelder searched for Information concerning oil and gas fields for the Subject Property on CalGEM's Well Finder database (DOC CalGEM WellFinder) on September 12, 2023. No oil or gas wells are depicted to be on the Subject Property or on the adjoining properties. A copy of CalGEM's map is included in Appendix C.

4.3.3 State Department of Toxic Substances Control

Kleinfelder reviewed the DTSC's EnviroStor website (https://www.envirostor.dtsc.ca.gov/public/) for available files pertaining to the Subject Property and adjoining properties on September 19, 2023, and again on November 27, 2023, after the DTSC uploaded new files for the Subject Property. Kleinfelder also submitted a written request to the DTSC on October 6, 2023 for records pertaining to the Subject Property. Record reviews were performed at the DTSC Cypress location on October 25, 2023 and the DTSC Chatsworth location on November 16, 2023.

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Two Envirostor listings were available for the Subject Property. Southern California Edison-Etiwanda Generating Station (ID No.60001192) was listed as an active corrective action site as of February 2, 1995 and EPTC Etiwanda (ID No. CAD079548574) was listed as closed hazardous waste facility.

Based on review of the information available for these two listings on Envirostor, SCE facilities generated and stored hazardous waste in surface impoundments at SCE's southern California facilities in the 1980s. Based on the summary under the EPTC listing, SCE applied for a RCRA Permit from the DTSC, but was instead exempted from Hazardous Waste RCRA Permit fee requirements and granted an *Interim Status* on March 30, 1981. A *Variance Status* was granted on January 29, 1987 allowing the SCE facilities to perform on-site treatment for their liquid hazardous waste. The Superior Court of California issued a *Final Judgement Pursuant to Stipulation* to SCE on February 1, 1995, which outlined the allegations against SCE that they improperly stored hazardous materials in a non-permitted wastewater retention basin and ordered RCRA closure of the retention basins. The judgement also directed that groundwater monitoring be performed for a minimum of one year. In response to the court order, SCE performed field investigations in and around the basins from 1996 to 2009. VOCs (chloroform, chloromethane, styrene, tetrachloroethane, toluene, and vinyl chloride) and several metals including aluminum, arsenic, barium, copper, iron, nickel, vanadium, total chromium, manganese, and zinc were detected in soil. Groundwater was estimated to be at a depth of approximately 420 bgs. No chemicals of potential concern were detected in groundwater. Closure certification was issued to the SCE for the Etiwanda Generating Station Retention Basin Site on December 21, 2011. In 2018 a new RCRA Facility investigation was initiated for both the SCE and the IEUA portions of the Subject Property. Investigation activities are currently ongoing.

The following is a summary of the records available for the Subject Property.

- Plans for the boiler wash disposal system retention basin, prepared by Bechtel Corporation, dated April 17, 1958. Plans show the basin covered with asphalt concrete pavement and seal coat (coal tar). The existing road and then the intake structure was shown north of the basin and the boiler wash sump and oil water separator were shown northeast of the basin.
- A "New Retention Basin Piping & Equip. Plan" dated May 9, 1979 for the Etiwanda Generating Station showed the retention basins east of the switchyard and west of Etiwanda Avenue. The entrance to the Etiwanda Generating Plant is shown to the north of the basins. The MWD. Aqueduct is shown crossing east to west through the plant entrance. A 12-inch transite "CBMWD" pipe was also drawn extending east to west north of the retention basins, and a

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couple fuel oil pipes and fire water pipe was drawn north to south extending to the distillate pumping area. Two wastewater sumps were drawn adjoining the switchyard, and a distillate fuel tank in secondary containment w drawn south of the waste sumps. A new 500,000-gallon retention basin was drawn east of the distillate tank area.

- An EPA General Information Form for the Etiwanda Generating Form, stamped November 19, 1980, indicated that the facility was a SCE electric power generating facility. The form indicated that a portable treatment system was used to treat corrosive waste by using hydrated lime for neutralization and precipitation of metals. A clarifier is used to allow gravity separation and sludge is hauled away for offsite disposal.
- A Hazardous Waste Management Plan Book, Etiwanda Generating Station, Southern California Edison Company, was dated November 19, 1980. This document was prepared pursuant to RCRA. The generating station was reported to include evaporation ponds, retention basins, chemical cleaning waste retention basins, transfer pits, oil-water separators, pipes, and sumps.
- Letter dated October 19, 1983, with subject “Etiwanda Generating Station - Existing Industry Permit for Industrial Wastewater Discharge”. This letter conveyed SCE’s application for the waste discharge permit. The permit application indicates that fuel oil, fuel gas, and water are used at the electric power station. Wastewater is produced from the cooling towers, boilers, metal cleaning process, sumps, and equipment washing. The wastewater was reported to contain suspended solids, pH, oil and grease, chromium, zinc, and copper. The chromium and zinc were indicated to be used for corrosion protection of the cooling towers. A note indicated that these would be “eliminated or brought within BAT pre-treatment standards by April 1, 1984”. Chemical cleaning waste were reported to be stored in an acid retention basin, then treated with lime to adjust pH, then passed through a clarifier where sludge if collected at the bottom and clear effluent flows off the top and is discharged.
- Additional Permit Application Data dated November 8, 1983, describes major plant processes and associated equipment involved in electrical energy generation and wastewater discharges. Equipment included four steam turbine generator units (Unit 1 through 4), one combustion turbine peaking unit, and associated equipment. Units 1 through 4 were described as oil/gas boiler steam systems. Evaporation reduces the amount of wastewater generated. Periodically the water from the boiler is charged to a retention basin. Water from drains is passed through an oil water separator prior to discharge to the retention basin. The document mentions chemical cleaning waste and refers to a Supplemental Wastewater Information

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document. Fresh water was reported to be supplied from three on-site wells and Chino Basin Municipal Water District.

- An Industrial Services Chemical Waste Treatment form dated January 20, 1987 was for treatment of boiler cleaning solution. Approximately 32,000 gallons of fluid with hydrochloric acid (HCL) and copper solution was treated from boiler 4. The total volume of waste solution was reported to be 210,000 gallons. With iron less than 2,000 ppm and copper less than 170 ppm. Approximately 30 pounds of lime and 2.75 gallons of NaOH were added per 1,000 gallons to treat the fluid. The end iron and copper concentrations were indicated to be less than 1 ppm.
- A January 26, 1987 waste discharge permit application applied for an industrial service chemical waste treatment permit to treat and discharge 210,000 gallons of liquid to the sewer.
- A DTSC letter dated January 29, 1987, entitled “Hazardous Waste Facility Permit Variance: Southern California Edison” granted a variance to SCE from the Hazardous Waste Facility Permit requirements for on-site treatment. The letter granted allowance of on-site treatment of generated liquid hazardous waste at select SCE generating stations including the Subject Property Etiwanda Station. The limited term variance was valid for a maximum of 180 days. Additionally, a mobile treatment service, Dowell Schlumberger, may also have been used during the period the variance was issued.
- A SARWQCB letter dated December 14, 1987, transmitted a copy of the adopted Resolution No. 87-149, and indicated that the Etiwanda Generating Station boiler cleaning waste retention basin is exempt from certain requirements of the Toxic Pits Cleanup Act.
- A SARWQCB letter dated July 22, 1987, entitled “Remedial Action at Etiwanda Generating Station” responded to SCE’s submittal of a Site Characterization Study that assessed the extent of contaminated soil in the drainage channel and spreading basin at the Etiwanda Generating Station. The letter concluded that based on the site characterization, water quality has not been “deleteriously affected or threatened at the Etiwanda Generating Station”, and no further action was required.
- A transmittal dated July 28, 1987, with subject “Etiwanda Generating Station – Remedial Action Decision” indicated that SCE had submitted a site characterization report to the SARWQCB and San Bernardino County Environmental Health on August 28, 1986. The site characterization was performed after a spill from Tamco occurred on March 3, 1985 to the surface drainage system at the Etiwanda Generating System. Petroleum hydrocarbon concentrations were present in the upper 5 feet of soil in the drainage channel. The SARWQCB and San Bernardino County agreed that no further action was required.

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- A SARWQCB letter dated September 2, 1988 documented concerns identified in an August 12, 1988 inspection of the Etiwanda Generating Station. The inspection had been performed pursuant to failure of a main drainage line and its subsequent repair. Concerns that were identified included that low pH boiler cleaning wastes were discharged to the main drain line prior to the construction of the boiler cleaning retention pond in 1978 and likely caused discharge line failures and releases of low pH waste to the ground surface. The letter indicated that based on the depth to groundwater it is unlikely that the releases have impacted groundwater therefore no cleanup or characterization was required. The second concern was that the boiler chemical waste retention pond was scheduled for triple lining in February 1989 and plans were in place to reline the other two retention ponds, but not schedule was provided.
- A DTSC Memorandum dated August 14, 1990, indicated that the Etiwanda Generating facility was not a SQG based on an affidavit signed March 27, 1989, that stated the facility has never been used for hazardous waste treatment, storage (over 90 days), or disposal.
- A July 3, 1992 letter to SCE, entitled “Report of Violation” identified that the SCE Etiwanda facility’s storage of hazardous waste in the acid retention basin without a hazardous waste storage facility permit was a violation.
- A SCE letter dated October 15, 1992, with subject “Request for Renewal of Toxic Pits Exemption – Etiwanda Generation Station (resolution No. 87-149)” requested renewal of the existing exemption allowing surface impoundments to temporarily hold hazardous liquid boiler cleaning waste while it is treated for recycling. The letter states that every 18 to 24 months, cleans and removes the scale and corrosion from its boilers resulting in an acidic metal-bearing solution. This solution is placed in a triple-lined surface impoundment while it is treated to produce a non-hazardous liquid and metal-bearing lime filter cake. The treated solution is then discharged to the sewer and the filter cake is transferred to an Arizona copper smelter.
- Southern California Edison Company letter, “Tiered Permit Applications for Hazardous Waste Treatment Units”, dated December 10, 1993. This letter conveyed the on-site hazardous waste treatment notification form for the Etiwanda Generating Station, which was identified as an electric utility facility with a conditionally exempt waste stream. Conditionally Exempt waste stream units were identified as container crushing (aerosol cans, containers, and drums were reported to be punctured and crushed). Residual hazardous waste was indicated to be hauled off-site for recycling and scrap metal was reported to be recycled. The type of residual waste from the can crushing included adhesives, insecticide, paint, lubricants, and solvents.

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- A letter dated March 7, 1994 indicated that based on the analytical results of oil-water separator influent samples from seven power production facilities (including the SCE Etiwanda), the influent was non-hazardous.
- P. Hamilton, 1996, *A Sump Integrity Report for Southern California Edison Facilities*, December 19. - Investigations of the sumps and demineralization basins were documented in this report. Two bores were advanced at the Etiwanda Generating Station in October 1996. Yellowish sand with a pH of 4.0 was encountered. Analytical results also indicated that the soil had high sulfate concentrations. Based on these results, the basin appears to have leaked.
- Edison's Environmental Engineering, 1997, *Chadwick Channel Site Investigation and Cleanup, Nickel Concentration at Former Unit 4 Drain Line Discharge Report, Etiwanda Generating Station*, March 21. - This report documented the excavation and removal of soil impacted with nickel and beryllium. During a Phase II ESA performed by Geraghty & Miller in November 1996 nickel at a concentration exceeding its California Total Threshold Limiting Concentration was detected in Chadwick Channel at the drain discharge from Unit 4. Nickel concentrations were reported to decrease with depth. TPH concentrations were also reported in soil in this area. Environmental Engineering advanced and collected soil samples from step-out bores in the Chadwick Channel on February 14, 1997 in order to assess the extent of nickel in soil. Based on the results of the sampling, Environmental Engineering decided to excavate all soil that might contain nickel in excess of the TTLC value of 2,000 mg/kg. On February 27, 1996, remediation excavation of Chadwick Channel was performed. The excavation encountered concrete at 3.5 feet in the southern portion of the excavation, and pipelines were encountered at 5 feet bgs in the eastern wall and middle portions of the excavation, therefore, the excavation depth was limited to approximately 6 feet bgs around the pipelines. The maximum nickel concentration detected in the confirmation soil samples was reported to be 5.5 mg/kg. Beryllium was not detected in the confirmation samples. A composite sample from the excavated material indicated TPH and VOC concentrations were not detected. PCB Aroclor was detected at a concentration of 0.37 mg/kg, and metal concentrations did not exceed their respective hazardous waste thresholds.
- CH2M Hill, 1997, *A Phase I Environmental Site Assessment, Etiwanda Generating Station,* May 1997. The Etiwanda Generating Station was described as four natural gas/oil-fueled generating units (Units 1 through 4) and one natural gas/distillate fuel generating unit (Unit 5). The facility was reported to have been developed with the first generating units (Units 1 and 2) in 1952. Units 3 and 4 began operation in 1963, and Unit 5 began operation in 1969. Petroleum products stored at the facility included fuel oil, distillate oil, lube oil, displacement

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oil, gear oil, mineral oil, gasoline, and waste oil. Large ASTs, boilers, tanks, retention basins, and buildings (offices, training, control, and maintenance) were present on the facility. Six fuel oil ASTs were reported to be present at the facility with only two ASTs in operation. The southeast AST was planned for removal by 1999. Fuel oil was reported to be delivered to the facility through a pipeline operated by the EPTC on the west side of the Subject Property. One 550-gallon gasoline UST was present between Units 1 through 4. Edison staff indicated that when the current UST was installed, residual low hydrocarbon concentrations were present from previous USTs that had been at the same location. A 550-gallon UST was reported to have been removed in March 1986. Low hydrocarbon concentrations were reported to be present up to 10 feet (11 ppm). No remedial action was recommended. An Edison memorandum from February 28, 1991 was summarized. This memorandum stated that approximately 80 tons of transformer oil-contaminated soil and 270 tons of oily sludge from the retention basins had been generated and off-site disposal was recommended. In April 1996, a septic system constructed between Units 1 and 2 in 1951 was backed up. The septic system consisted of a 7,000-gallon septic tank and five seepage pits located east of the Shop building. At the time of CH2MHill's Phase I ESA, the septic system was reported to be operating. Edison staff told CH2MHill that PCBs had been removed from the transformers and equipment at the facility, and PCB-containing oil disposed of off-site. Groundwater was reported to be at approximately 340 feet bgs. Three wells were reported to supply water for the station. Wastewater is discharged to the boiler wash basin and retention basins under a Chino Basin Municipal Water District (CBMWD) permit. A cooling tower supplied by a pipeline is gunite lined and receives water from the wells and aqueduct system. Cooling water is discharged periodically under a waste discharge permit and sampled for pH, conductivity, metals, and calcium. A demineralizer water basin was present in the south-central portion of the station. A reverse osmosis system was reported to have replaced the demineralizer basin process, so instead, wastewater from the reverse osmosis system discharges to the demineralizer basin. The report identified the Ameron facility and oil/filter processor facility located to the north of the Etiwanda Generating Station as having stormwater runoff that flows through a 30-inch concrete drain into the Chadwick Channel and onto the Etiwanda Generating Station. CH2MHill observed an oily liquid near the cooling towers in the drainage channel and dark staining in the drainage channel upstream and downstream of the culvert during their site reconnaissance. This liquid was thought to have originated from off-site drainage. CH2MHill identified the oily liquid and dark staining in the stormwater drainage channel as a REC. CH2M Hill observed other areas in the Chadwick channel that had discolored soil or white and gray residue and identified these areas of being of potential concern. The observed soil staining and discolored areas was identified as an area of potential

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concern. CH2MHill indicated that investigation of the retention basins was ongoing and that the potential for contamination from the retention basins was a potential environmental concern. CH2MHill identified a white powder residue in the vicinity of the sulfuric acid tank as a potential concern. Cooling tower sludge was historically placed in an unlined leaching basin prior to sludge disposal. CH2MHill identified the leaching basin as a potential concern due to the potential for chromium and arsenic from the treated wood in the cooling towers to have leached into the subsurface from the leaching basin. A landfill area was reported to be present in the western portion of the Etiwanda Generating Station. The origin of the landfill was indicated to be unknown but was possibly a construction debris landfill. The landfill area was identified as a potential concern. A small spill or leak was observed inside the northwest fuel oil tank secondary containment area and was identified as a REC. CH2MHill observed oil in the sump valve box in the tank farm and identified this as a potential concern. Possible areas of contamination identified as potential concern included the fuel oil pump area and the truck loading area. CH2MHill reported that at the time of their Phase I ESA, the oil in the transformers at the Etiwanda Generating Station did not contain PCB concentrations exceeding 50 ppm; however, prior to 1976, the oil contained higher PCB concentrations. CH2MHill identified the potential for releases of transformer oil to have occurred as a potential concern. Petroleum hydrocarbon contamination was reported to be present at shallow depths beneath the ASTs. A 1995 Edison baseline tank study report reviewed by CH2MHill identified hydrocarbon concentrations in the top foot of soil beneath the southeast, southwest, and distillate ASTs. The Edison report indicated that oil had been applied to AST foundation for corrosion protection and that was the source of the hydrocarbon concentrations. No remedial action was recommended as the concentrations were not considered significant. CH2MHill identified the presence of oil-impacted soil around the ASTs as a REC. CH2MHill observed oil staining on the floors in the vicinity of oil-containing equipment (i.e., pumps and tanks) on the powerblock and identified this as a potential concern. Oil pipelines, both subsurface and aboveground, were reported to provide fuel oil from the ASTs to the power block. The pipelines were identified as a potential concern as there were no reported of leak testing. The wood and concrete in the cooling towers was reported by Edison staff as accumulating metals, therefore, CH2MHill identified the cooling tower areas as a potential concern.

- Geraghty & Miller, Inc (Geraghty & Miller) prepared an *Etiwanda Generating Station, Phase II Environmental Site Assessment* report dated June 6, 1997. The report describes the Subject Property as being operated by Edison as an electrical generating station since 1953. The Phase II ESA was performed to investigation RECs and “areas of potential concern” identified CH2M Hill in their Phase I ESA report (summarized above) (CH2M Hill, 1997). The retention

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basins and boiler chemical cleaning basin were not included in this Phase II ESA as other investigations were being performed at these two areas. In addition to the RECs and areas of concern identified by CH2M Hill, Geraghty & Miller identified a Scrap Metal yard where a mercury-filled ring balance had been reported to be present by Edison staff, septic systems for the Peaker Unit and Unit 3 and 4 control room, possible releases of Unit 4 boiler water to the Chadwick Channel, a reported transformer oil release in 1995, a report of an overflow of the Peaker Unit floor sump, possible releases in the laydown area, a reported sulfuric acid release, and possible releases in the Storage Colling Water Sludge Dewatering and Boiler Wash Water Storage Area and Former Water Softener and Brine Pit. Geraghty & Miller did not observe the discoloration and residue that CH2MHIll observed in the Chadwick channel in their 1997 Phase I ESA. Geraghty & Miller performed site walks with Edison staff and record reviews to identify areas of concern. A record for a 1983 PCB release was found, but no location information was available. Other information included reports of an incinerator, lead acid pipeline, an acid tank near cooling Tower Unit 4, and three wells (East, Center, and West). Records included documentation of an oil and water release from the Tamco property to the Chadwick Channel. Tamco was reported to have overflows from its cooling towers and clarifiers that drained over slag and baghouse dust piles to the Chadwick Channel. Edison performed an investigation of the Chadwick Channel in 1985. Soil samples were analyzed for TPH and metals. TPH did not exceed screening levels, but arsenic and some chromium and lead concentrations were reported to exceed California hazardous waste thresholds. Groundwater from the three Etiwanda wells was also sampled as part of this 1985 investigation. Results indicated that groundwater was not impacted. A SARWQCB letter dated July 22, 1987 indicated that no further action was required. A surface-water release from Tamco was reported to have occurred onto the railroad right-of-way, Edison owned property northwest of the Etiwanda Generating Station, and the property farther to the west. This release resulted in metal impacted soils which were excavated by 1994. Oily water (maximum oil and grease concentration of 190 milligrams per liter [mg/L]) was also reported to have been released by Ferromat (also located north of the Subject Property) to the Chadwick Channel in 1996. Three USTs located between Units 2 and 3 and 1 and 2 were reported have been removed in 1986. Investigations were performed by Henkle & Merrian around the USTs in 1985. Bores were advanced to 20 feet bgs and a maximum TPH concentration of 11 ppm was detected at 10 feet bgs. A 550-gallon UST was installed with a leak detection system after the removal of the three USTs. Geraghty & Miller summarized the previous baseline tank evaluation performed by Edison in 1995 of the three ASTs. Trenches were previously advanced around the southeast and southwest ASTs and bores were previously advanced around the distillate AST. Samples collected at 0.5, 1, and 3 feet. Maximum TPH

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concentrations were 302 ppm in a 0.5-foot sample collected near the southeast AST, 122 ppm in a 0.5-foot sample collected near the southwest AST, and 84 ppm in a 1-foot sample collected near the distillate AST. TPH concentrations did not exceed 8 ppm in any of the 3-foot soil samples. Geraghty & Miller advanced 107 soil bores across the Etiwanda Generating Station. Groundwater was not sampled as part of this Phase II ESA. Soil samples were collected in the vicinity of the ASTs, transformers, surface water discharge, pipelines, cooling towers, hazardous waste storage area, landfill area, scrap metal yard, septic systems, former 1995 transformer oil spill, vineyard water tank, Peaker unit, laydown area, powerblocks, switchyard perimeter, sulfuric acid storage tanks, former water softener and brine pit, possible UST location, boiler wash water storage tank, Units 1 and 2 cooling tower sludge dewatering area, utility pole storage area, and agricultural research area. Geraghty & Miller concluded six areas (surface water discharge, pipelines, cooling towers, sulfuric acid storage tanks, former water softener and brine pit, and second solid waste disposal area) had arsenic concentrations above screening levels and they recommended an environmental risk screening evaluation for industrial use. No further action was recommended, but additional sampling was indicated to be likely required as part of decommissioning activities at the ASTs, transformers, powerblock, and possible UST location. No further action was recommended for the waste discharges from off site, USTs, hazardous waste storage area, landfill, scrap metal yard, septic systems, 1995 transformer oil spill area, vineyard water tank, Peaker Unit floor drain and sump, laydown area, switchyard perimeter, boiler wash water storage tank area, Units 1 and 2 cooling tower sludge dewatering area, utility pole storage area, and agricultural research area.

- Geraghty & Miller prepared a letter entitled “Amendment Letter to the Etiwanda Generating Station Phase II Environmental Site Assessment” dated September 9, 1997. This letter indicated that Geraghty & Miller discovered that Edison performed container puncturing and crushing of aerosol cans, containers, and drums of 110-gallon capacity or less at the station under a DTSC permit. These activities were identified as having potential for environmental impact and an investigation of the container puncturing location was performed. On August 21, 1997, Geraghty & Miller inspected the container puncturing area in the maintenance shop and observed that had a concrete floor with “little evidence of staining”. The closest sampling location from the Phase II ESA activities was located on the east side of the Maintenance building and samples had been collected at 20 and 30 feet bgs. No VOCs had been detected. No further action was recommended based on these results.
- Hazardous Waste manifests was dated May 6 and May 9, 1997, were for silicone dielectric waste containing PCB and PCB debris.

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- The DTSC conducted an annual compliance evaluation inspection at the Mountain Vista Power Generation facility (the Subject Property) on June 18, 1998. This inspection was documented in a letter dated August 11, 1998. The Subject Property was identified as formerly being the SCE-Etiwanda facility. The narrative in the inspection report indicated that the Subject Property was bought by Houston Industries Power Generation, Inc on April 7, 1998 and the facility then became Mountain Vista Power Generation facility. Regulated units were identified as the north and south retention basins and the boiler chemical cleaning basin. Generated waste was reported to be mineral deposits from cleaning the boiler which include copper, nickel, vanadium, lead, and chromium. The inspection reviewed manifests from between January 1996 and June 1998, and indicated asbestos waste from cooling tower, lead acid batteries, oily soil, used lube oil, water oil sludge, oily water, debris with oil, flammable waste containing benzene, xylene, naphtha, and paint debris with xylene was generated. Three manifests were missing and this was noted as a violation. Other violations included one staff missing required training. The Boiler Chemical Cleaning Basin (BCCB) was reported to not be in use since 1992. An oil skimmer was located near the south retention basin to remove the oil from the oil/water separator. The oil was then collecting in a tank and disposed of off-site. Samples from the basins were collected during this inspection. Samples from the BCCB were analyzed for TPH, pH, VOCs, and metals. Samples from the retention basins were analyzed for pH, PCBs, VOCs, and metal. The DTSC received compliance documentation on July 14, 1998.
- A SCAQMD *Draft Negative Declaration for the Reliant Energy, Etiwanda Generating Station Selective Catalytic Reduction (SCR) Installation Project (Units 1 & 2)*, dated August 2002 proposes to install SCR systems on the boiler Units 1 and 2 to decrease nitrous oxide (NOx) emissions. A DTSC letter dated September 20, 2002 indicated that any releases or contamination should be identified for the project area.
- P. Hamilton, 2007, *Soil Investigation Work Plan, Etiwanda Generating Station*, May 3. – This workplan was prepared pursuant to a proposed project by Reliant Energy to increase the electrical generation capacity at the Etiwanda Generating Station. The project area included the northwest portion of the Etiwanda Generating Station which contained four cooling towers, a canal, and piping facilities associated with electrical generating Units 1 and 2. Units 1 and 2 and their associated cooling towers were no longer in operation. Two former fuel ASTs were located south of the project area. At the time of this report the ASTs were reported to be owned by IEUA and were planned to be converted to hold reclaimed water. Previous investigations of the project area had been performed in 1997 by Geraghty & Miller (Geraghty & Miller, 1997) and in 2005 by Earth Technology and URS. Geraghty & Miller performed soil sampling in the

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vicinity of the cooling towers, cooling water sludge dewatering facility, boiler wash staging area, acid, tank, oil ASTs, and in the area to the west which was identified as a possible landfill area. No evidence of a release or landfill material was identified. Cadmium and copper concentrations were identified as being slightly above background in the soil samples from the sludge dewatering facility. Trichloroethylene (TCE) was detected in one sample but was also reported to be present in the quality assurance/quality control (QA/QC) sample. Earth Technology and URS performed soil sampling in the vicinity of the former cooling towers and tested for possible arsenic soil contamination. Arsenic impacted soil was identified around the base of the cooling towers. The workplan proposed a total of 41 borings to be advanced using a hand auger in the former nursery area, in the boiler wash temporary tank area which was used for temporary staging of storage tanks during boiler wash activities, near the cooling towers, and around one bore where crude oil was detected at 0.5-foot near the former fuel ASTs.

Retention Basin Closure

In response to a Consent Agreement with the DTSC (BC 121219), SCE conducted two Leak Detection Investigations (LDI) at the Subject Property in the vicinity of the retention basins.

- P. Hamilton, 1997, *Leak Detection Investigation, Etiwanda Generating Station*, June 11. This investigation included the advancement of 29 soil borings to approximately 5 feet below the retention basin liners and performance of a soil gas survey. VOCs were not detected in soil gas. Six bores were advanced at the BCCB. Low pH and a slightly elevated copper concentration were present in the 1-foot sample from boring E-3, but were not present in the 3-foot sample. Fluoride was recorded at 1-foot in borings E-2 and E-3 but not present in the other analyzed samples. Chloride concentrations were slightly elevated in borings E-1, E-3, and E-5 compared to the concentrations in the remaining borings. Based on these findings a minor leak was reported to have occurred in the BCCB. Twelve (12) borings were advanced in the South Basin. The report indicated that liquid was observed beneath the liner. Evidence of leakage was observed in three borings E-17, E-8, and E-7 located near the corners of the South Basin. Reddish soil was observed beneath the gunite seal. Elevated concentrations of arsenic, chloride, copper, molybdenum, and vanadium were present in the reddish soil. Nickel concentrations ranged from 31.4 mg/kg to 285 mg/kg in the upper 5 feet in boring E-17. Fluoride was detected in the 1-foot and 5-foot soil samples from boring E-17, and low pH was reported in soil at 4 and 5 feet. Elevated total chromium, lead, molybdenum, selenium, and thallium concentrations were present in the 1-foot soil sample from boring E-8, but were not present in the 5-foot sample. Cobalt was reported to be elevated in the 5-foot soil sample from

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boring E-7 compared to background levels. Based on these findings a minor leak was reported to have occurred in the South Retention Basin. Eleven (11) borings were advanced in the North Retention Basin. Boring E-20, located near the drain grate, had an elevated cobalt concentration in the 1-foot soil sample and a nickel concentration that was higher than background levels in the 5-foot sample. Boring E-29 had elevated nickel in the 1-foot soil sample, and fluoride concentrations in the upper two soil samples. Nickel was reported to be at background levels in the 5-foot sample from Boring E-29. Based on this information minor leaks had occurred at the North Basin. This report indicated that in May 1996 the Etiwanda Generating Station sampled its three production wells. No elevated metals or other constituents were reported.

- The DTSC prepared a Memorandum dated June 25, 1998 titled “Leak Detection Investigation Report, Etiwanda Generating Station, South California Edison”. This memorandum transmits comments by the Geologic Services Unit (GSU) of the DTSC regarding a *Leak Detection Investigation Etiwanda Generating Station* report dated June 11, 1997, prepared by Pat Hamilton for SCE. Soil and soil gas sampling activities were performed at the BCCB and the North and South Retention basins. Results indicated that minor leakage had occurred from the three basins. The GSU requested additional characterization of the three basins to assess the vertical extent of contamination, including angle borings to 70 feet bgs beneath the North and South Basins and one vertical bore through the BCCB to look for perched groundwater. The GSU indicated that background sampling and risk assessment will need to be performed.

- Environ International Corporation (Environ), 1999, *Closure Demonstration Report, Etiwanda Generating Station, Rancho Cucamonga, California,* January 25. The report summarized an integrity test for the demineralization sump and the leak detection investigations performed at the three retention basins (North, South, and Boiler Chemical Cleaning Basin). Caustic and acidic wastewater was previously discharged to the demineralization sump. Evaluation of the demineralization sump was reported to have been completed in 1996 and no further action issued by the DTSC in a letter dated October 7, 1997. Leak detection investigations (LDIs) were performed in 1996, 1998, and 1985. Soil gas samples were collected and analyzed for VOCs, and soil samples were collected and analyzed for metals, VOCs, leachable chloride and fluoride, and pH. Soil samples were collected up to 5 feet below the liner in the first investigation and up to 70 feet bgs below in the second investigation. VOCs were not detected in the soil gas samples from both investigations. Soil analytical results indicated that antimony, arsenic, barium, beryllium, chromium, cobalt, copper, iron, lead, mercury, molybdenum, nickel, silver, thallium, vanadium, zinc, chloride, fluoride, styrene, PCE, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and vinyl chloride were detected. VOCs, mercury,

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selenium, and thallium were not detected in the samples collected from 10 feet to 70 feet in the second investigation. Soil pH was low in a couple samples beneath the south retention basin and the BCCB. Seven bores (four in the BCCB and three background locations) were advanced to 100 feet bgs in 1985. Antimony, cadmium, lead, mercury, selenium, silver, thallium, TPH, TCE, and phenol were not detected in soil samples collected from these 1985 bores. Environ concluded that the metal concentrations, except for nickel, in the soil samples collected from beneath the North Basin were within background levels. Nickel was reported to have been elevated in samples from one bore in the upper one foot and in a second bore in the upper 5 feet, with the maximum detected value of 617 mg/kg. Concentrations were reported to decrease with depth. Environ noted that metal concentrations suggesting a release were present beneath the South Retention Basin, but that these concentrations did not extend below 5 feet. Copper was identified as elevated in shallow soils beneath the BCCB, with low pH present at the same sample locations as the elevated copper. Environ indicated that the concentrations only extend up to one foot beneath the liner. VOCs were detected at low concentrations in shallow soils beneath the retention basins (styrene at 0.009 mg/kg, PCE at 0.071 mg/kg, toluene at 0.013 mg/kg, and vinyl chloride at 0.01 mg/kg in the north basin; styrene at 0.018 mg/k, toluene at 0.007 mg/kg, mp-xylenes at 0.024 mg/kg, o-xylenes at 0.005 mg/kg, and 1,3,3-trimethlbenzene in the south basin; and ethylbenzene at 0.007 mg/kg, toluene at 0.0099 mg/kg, 1,2,4-trimethylbenzene at 0.0099 mg/kg, 1,3,5-trimethylbenzene at 0.0057, mp-xylenes at 0.028 mg/kg, and o-xylenes at 0.007 mg/kg in the BCCB samples), but were not detected in soil samples collected deeper than 5 feet, or in soil gas samples. Environ concluded that migration to groundwater was unlikely.

- A Memorandum dated February 13, 2001 documents comments by the DTSC GSU in response to the “Closure Demonstration Report, Etiwanda Generating Station, Rancho Cucamonga, California" report dated January 25, 1999. The GSU recommended three additional borings near soil borings E-7, E-17, and E-20 to further assess the vertical extent of cobalt and nickel concentrations. Additionally, a soil bore should be drilled to approximately 200 feet bgs near boring E-2 to vertically assess the nickel and cobalt concentrations detected at 70 feet and assess for the presence of groundwater. Soil samples should be analyzed for metals, pH, and VOCs.

- P. Hamilton, 2009, *Soil Investigation Work Plan, Wastewater Pipelines, Etiwanda Generating Station*, on April 27. This workplan was prepared in response to the DTSC requiring investigation of any feature that conveyed wastewater to the retention basins as part of the closure process. SCE reviewed which features drained to the basins. Wastewater from the

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boiler acid and fireside washes associated with each of the generator Unit structures was drained to the basins. This wastewater would have low pH and metal concentrations. A soil investigation along the pipelines, at the common sump, and sediment traps was proposed. Soil samples were proposed to be analyzed for metals, pH, and leachable minerals.

- DTSC letter dated June 20, 2005, entitled “Conditional Approval of the Work Plan for Background Soil Samples, Detection Monitoring Program, Wastewater Retention Basins, Etiwanda Generating Station, Southern California Edison, 8996 Etiwanda Avenue, Rancho Cucamonga, California, 92739, U.S. EPA ID number CAD 079 548 574”. In this letter DTSC approved the workplan.

- P. Hamilton, 2011, *Quarterly Sampling Report, Third Quarter of 2011, Groundwater Detection Monitoring Program, Etiwanda Generating Station, 8996 Etiwanda Avenue, Rancho Cucamonga, California 91739*, November 22. - SCE submitted a proposed “Water Quality Monitoring Program” to the DTSC in June 2001. Based upon this plan, four wells, EW-1 through EW-4, were installed in 2002. Well EW-1 was located upgradient of the retention basins and wells EW-2, EW-3, and EW-4 were installed downgradient of the Boiler Chemical Cleaning Basin. Wells EW-5 and EW-6 were installed in 2002 and 2003 downgradient of the retention basins. Groundwater monitoring was performed from 2002 through 2011. Groundwater has been sampled for metals (including hexavalent chromium), general mineral parameters, and VOCs. Well EW-4 was identified as having been installed in a confined aquifer as its groundwater elevation was significantly different from the other wells, therefore, well E-4 was not included in the gradient calculation since its groundwater level was reported to be 30 feet higher than the other wells. Groundwater elevation was reported to range between 673.90 (EW-6) to 732.07 (EW-4) feet above mean sea level. The groundwater gradient was reported to be 0.004 foot per foot towards the southwest. Chloroform was indicated to have historically been present in EW-4. VOCs were not reported as detected in the other wells in most of the sampling events, with the exception of a couple low detections in early sampling events in 2002.

- Jamison and Associates, Inc, 2011, *Southern California Edison Final Closure Demonstration Report, Etiwanda Generating Station, Retention Basin Site, San Bernardino County, California*, December. The report indicated that SCE constructed generating Units 1 and 2 in 1951 and that the generating facility was operational by 1953. Generating Units 3 and 4 were constructed in 1963 and the Peaker Unit (Unit 5) was constructed by 1969. SCE sold the facility to Reliant Energy in 1998. Generating Units 1 and 2 were decommissioned in 2003. SCE facilities Rancho Vista Substation and Grapeland Peaker Plant were constructed in

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2008/2009 southwest and west, respectively, of the Etiwanda Generating Station. A parcel of land owned by IEUA and containing two water ASTs was located southwest of the station. SCE retained responsibility for the cleanup of the retention basins, which had not been used for storing boiler cleaning wastes since prior to 1996. The retention basins were reported to remain in operation and to be used to store “low level” wastewater. Soil and soil gas around the retention basins were investigated between 1996 and 1998. Findings indicated that soil below the retention basins had been impacted. Five groundwater monitoring wells were installed in 2002, and a sixth well was installed in 2003. Multiple impermeable clay layers were observed in the subsurface forming a barrier between the surface to the groundwater bearing zone. Groundwater monitoring and sampling was performed between 2002 and 2009 and groundwater was measured at approximately 420 feet bgs. Regional groundwater flow was reported to be towards the southwest. In 2009, samples were collected from beneath the pipelines to the retention basins. Metal constituents of concern identified in soil were arsenic, mercury, molybdenum, nickel, and silver, which were identified to exceed background levels based on statistical analysis, and antimony and thallium, which were only detected in soil samples collected at the facility and not in background samples. Other constituents of concern were identified as chloroform, chloromethane, styrene, PCE, toluene, vinyl chloride, dioxins/furans, and butyl benzyl phthalate. VOCs were not detected in soil gas. Metal concentrations were detected in the groundwater sample; however, they did not exceed background levels, therefore no constituents of concern were identified in groundwater. A health risk assessment and ecological pathway assessment was also performed and soil and groundwater results were found to meet unrestricted use criteria. Based on the results, the report concluded that retention basin areas met closure requirements.

- A DTSC letter dated December 29, 2011, titled “Closure Certification Acknowledgement: Southern California Edison, Etiwanda Generating Station Retention Basin Site, 8996 Etiwanda Avenue, Rancho Cucamonga, California 91739, San Bernardino County, EPA ID Number CAD 079 548 574” documented the receipt of the “Final Closure Demonstration Report Etiwanda Generating Station retention Basin Site, San Bernardino County, California” dated December 20, 2011. This report indicated that the hazardous waste management units, including the North Wastewater Retention Basin, South Wastewater Retention Basin, BCCB, Units 1 and 2 fireside wash drain system, Units 3 and 4 fireside wash drain system, Units 3 and 4 fireside wash system sediment trap, Units 1 and 2 boiler acid wash drain system, and Units 3 and 4 boiler acid wash drain system, were closed. Groundwater was reported to be present at approximately 420-feet bgs. No contamination was found in groundwater. The DTSC concluded that the facility was remediated and approved for unrestricted use.

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- DTSC, Notice of Exemption dated September 10, 2012. This document described the "Closure Completeness Determination for three (3) wastewater retention basins and associated pipelines". The document indicates that SCE signed an agreement with the DTSC to close the retention basins in 1995. The Etiwanda Generating Station was indicated to have been sold to Reliant Etiwanda Energy in 1998, but SCE remained responsible for the retention basin closure. Boiler cleaning waste, oils, grease, metals, acidic solutions, and suspended solids were reported to have been stored in the basins. No hazardous waste was reported to have been stored in the retention basins since 1996, though the basins remain in place. The basins were identified as the North Basin and South Basin and were reported to have been constructed in 1952 with a 4-inch layer of gunite as the seal. An 80-milliliter (ml)-thick high-density polyethylene (HDPE) liner was reported to have been installed in the basins in 1988. A Boiler Chemical Cleaning Basin was constructed in 1979 and was sealed with asphaltic concrete. This basin was lined with three layers of the 80-ml HDPE liner in 1988. This basin was reported to have never been used. Investigations of the retention basins between 1996 and 2009 identified VOCs in soil and soil gas, and metals, dioxins/furans, and on one SVOC (butyl benzyl phthalate) in soil. VOCs included chloroform, chloromethane, styrene, PCE, toluene, and vinyl chloride; and metals included antimony, arsenic, molybdenum, nickel, silver, and thallium. A groundwater investigation was also conducted and identified groundwater to be present at 420 feet bgs. VOC and metal concentrations were not detected in groundwater. A health risk assessment was performed and an acceptable carcinogenic risk was calculated for future on-site residences (slightly over 10^{-6}), which was reported to be identical to the risk for background arsenic concentrations. Ecological pathways were reported to be incomplete. The document indicated that the closure standards would be background levels for metals and closure activities could proceed.

AST Closure

- Engineering and Technology Services, SCE, 1998, *Report Addendum No. 2, Baseline Environmental Study, Site Remediation and Verification Samplings, Southwest, East-center, and Distillate Tanks, Etiwanda Generating Station,* June 10. – This report served as an addendum to three previous baseline studies titled "Report Addendum No.1, Baseline Environmental Study, Southeast, Southwest and Distillate Tanks, Etiwanda Generating Station" (November 10, 1997), "Report Baseline Environmental Study, West Center and East Center, Etiwanda Generating Station" (December 29, 1997), and "Environmental Site Characterization at Distillate Tank, Etiwanda Generating Station" (April 17, 1998). Results of the baseline testing identified total recoverable petroleum hydrocarbons (TRPH) in four soil

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bores and remedial excavation was performed in these areas per a Soil Remediation Plan dated March 9, 1998. The impacted areas were shown on the attached figures as located on the north side of the distillate tank, the northwest corner of the East-Center Tank basin, and two areas in the southwest portion of the South West Tank basin. Verification samples were collected from the bottom and sidewalls of each excavation. Final verification sample results were less than 100 mg/kg TRPH. The report indicated that impacted soils beneath the Distillate Tank were left in place until the tank was removed. The report concluded that based on the verification sampling results the impacted soil had been removed.

- Engineering & Technical Services of SCE, 2001, *Final Remediation Report, Station Fuel Oil Facilities, Etiwanda Tank Farm Decommissioning,* March 20. This report documented soil sampling activities performed part of the removal of four oil ASTs located southwest of the Subject Property, identified as West Center, East Center, South East and South West ASTs, and associated pipelines on property formerly owned by SCE. After the ASTs and bottom plates were removed, black stained gravel was uncovered. This was sampled and reported to contain 60 ppm TPH. Based on these results, the gravel was used as road base for the project. Soil sampling was performed after removal of the gravel from approximately a couple inches to 1 foot deep. Impacted soil was identified in the southwest and northwest areas of the South West Tank basin. The southwest contaminated soil extended up to 8 inches deep for about a 50-foot radius. The impacted soil was removed. Verification sampling indicated TPH was not detected. In the northwest area of the South West Tank farm, fuel oil was spilled by a contractor into an open excavation. The impacted soil was excavated and the excavation sampled and backfilled. The northeast corners of the South West tank basin and West Center tank, northwest corner of the East Center tank, and northwest and southwest corners of the southeast tank basin where the fuel pipelines entered the berms were also excavated. The leaks were reported to have occurred while the pipelines were being demolished. Excavation was preformed until all visible staining or odor was removed. Verification sample results indicated that TRPH was not detected. Approximately 1,800 feet of wastewater line was removed from the western and southern portions of the project area and verification samples were collected from the pipeline trench at 100-foot intervals. Verification samples results indicated TPH-g was not detected. In total, approximately 2,518.38 tons of impacted soil were removed. The report indicated that all the petroleum-impacted soils above 100 ppm were removed. The soil sampling activities were summarized in the attached sampling report which was included in Appendix B (see below).

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- Leymaster Environmental Consulting, LLC, 2000, *Subsurface Investigation Report, Southern California Edison, Etiwanda Tank Farm Decommissioning Project, 8996 Etiwanda Avenue, Etiwanda, California 91739*, October 10 – The report documented soil sampling activities performed between May 26, 2000 and September 20, 2000 after the removal of four fuel oil ASTs. Soil samples were collected from areas that appeared stained or had a hydrocarbon odor. Soil samples were collected from the near surface using a shovel. Soil samples were analyzed for TPH carbon chain identification using 8015. Soil in one area W22 was excavated down to 12 feet, until TPH was not detected. Areas with TPH over 100 ppm were excavated. Areas with TPH less than 100 ppm were left in place.

2018 to Present

Inland Empire Utilities Agency (IEUA)

- Environmental Application Inc (EnvApps) prepared a RCRA Facility Investigation Report (RFI), dated February 27, 2018, on behalf of SCE for the Inland Empire Utility Agency (IEUA) portion of the former SCE Etiwanda Generating Station. This report identified 21 features in six areas on the IEUA property including the tank farm, cutter stock/displacement oil (CS/DO) tanks, primary fuel oil-pumping area, fuel pipelines, wastewater pipelines/Chadwick Channel, and other miscellaneous features (i.e., truck loading racks, stained soil at truck rack pumps, and stained soil at northwest tank fire protection system valve). Soil samples were analyzed for TPH. Soil samples at sumps and separators were also analyzed for VOCs and Metals, and soil samples collected from the Chadwick Channel were analyzed for metals, organochlorine pesticides (OCPs), organophosphorous pesticides (OPPs), and chlorinated herbicides. Any sample with a TPH concentration greater than 100 mg/kg was further analyzed for VOCs, SVOCs, and PAHs. A soil vapor probe was installed near each sump/separator at seven locations and a soil vapor sample was collected. During a site visit performed in 2017, staining was observed on the ground west of the east tank, at the west end of the pig launcher, east side of the truck rack pumps, and at the fire protection valves for the west tank. Four bores were advanced around the North West tank to 10 feet bgs. The analytical results indicated that two soil samples (samples F1a1-0.5 and F1a1-2.5) contained TPH concentrations greater than 100 mg/kg. Concentrations were assessed in the 5-foot and 10-foot soil samples from the same bore. Acetone (150 µg/kg and 50 µg/kg) and benzo(a)pyrene (3.5 mg/kg and 4.2 mg/kg) were present in the two samples with elevated TPH. Other VOCs, PAHs, and SVOCs were not detected. Four bores were advanced around the NE tank to 10 feet bgs. One soil sample (F1b4-0.5) contained TPH greater than 100 mg/kg. This was assessed by the 2.5 foot and 5-foot soil sample results. Acetone was present at 93 µg/kg and benzene was present at

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1.3 µg/kg, no other VOCs, SVOCs, or PAHs were detected. The CS/TO Tanks are located in the eastern portion of the IEUA property which is south of the Subject Property. TPH in shallow soils were present in a couple of the soil samples around the CS/TO tanks. The primary fuel oil-pumping area is located in the central portion of the IEUA property, south of the northern tank area. A 6-foot-deep sump is located north of the pump pad in the western portion of the pumping area. Soil samples were collected from 8.5 and 9.5 feet below near the sump. TPH in the 8.5-foot sample exceeded 100 mg/kg, but concentrations in the 9.5-foot sample did not exceed 100 mg/kg. SVOCs and PAHs were not detected. A grated drain was reported in the pumping area that drained to an oil/water separator. Five bores were made adjoining the drain. Soil samples were collected at 2 feet and 5 feet. TPH was not detected above 100 mg/kg. Three bores (two to 22.5 feet bgs and one to 11.5 feet bgs) were advanced around the oil/water separator. TPH was not detected above 100 mg/kg, VOC and metal concentrations did not exceed commercial industrial screening levels. Soil samples were also collected at 0.5 foot, 2.5 feet, and 5 feet bgs in the stained area near the west side of the pumping area. TPH concentrations did not exceed 100 mg/kg. An 8-inch pipeline and a 12-inch pipeline connected the pumping area to the SCE generating units. Five soil bores were advanced to 2 to 5 feet below the pipeline inverts at approximately 100-foot intervals along the pipelines. TPH concentrations did not exceed 100 mg/kg. Fuel pipeline also extended north from the pumping area to the NW and NE tanks. The pipelines were reported to have been cut and capped at the berms. Soil samples were collected at 5 and 8 feet at two locations north of the pumping area and south of the berm, beneath the pipelines extending to the North East and North West tanks, respectively. TPH concentrations did not exceed 100 mg/kg. A soil bore was advanced next to the sump near the pig launching pad. TPH concentrations did not exceed 100 mg/kg. Bores were advanced along the approximate location of a wastewater pipeline. TPH concentrations did not exceed 100 mg/kg. Soil samples were collected in the Chadwick Channel at 0.5 foot, 2.5 feet, and 5 feet. Three samples contained TPH above 100 mg/kg. VOCs, SVOCs, and PAHs did not exceed commercial industrial screening levels. Three bores were advanced in the truck loading areas and samples were collected at 0.5 foot, 2.5 feet, and 5 feet. Three samples contained TPH above 100 mg/kg. VOCs, SVOCs, and PAHs did not exceed commercial industrial screening levels. Soil samples were collected at 0.5 foot and 2.5 feet in an area of observed staining. TPH concentrations exceeded 100 mg/kg in the 0.5-foot sample but were not detected in the 2.5-foot sample. VOCs, SVOCs, and PAHs did not exceed commercial industrial screening levels. Metals were reported to be background levels. Two samples were analyzed for pesticides and herbicides which were not detected. Results of the soil gas survey reported the presence of toluene, m,p-xylenes, 1,2,4-trimethylbenzene, 4-isopropyltoluene; however, none of the detected VOCs exceeded their commercial

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screening levels. EnvApps noted that additional investigations should be performed from beneath the tanks after their removal and recommended a LUC for commercial industrial use. EnApps recommended future excavation of the impacted soils in the vicinity of soil bore F1a1 (where the TPH and benzo(a) pyrene concentrations were detected above commercial screening levels) after completion of the future additional assessment.

- IEUA applied for agency oversight from the DTSC on January 28, 2021 for APN 0229-283-83-0000. This property was reported to have formerly been owned by SCE as part of the Etiwanda Generating Station. The former Etiwanda Generating Station was subdivided and the power generating station was most recent owned by GenOn (a subsidiary of NRG Energy). GenOn declared bankruptcy on June 14, 2017 and the Etiwanda Generating Station was closed June 1, 2018. IEUA owns the former tank farm area which contains two former fuel oil ASTs identified as the Northwest and Northeast tanks, which IEUA converted to water storage. The former oil pipelines, two cutter/displacement oil ASTs, and pumping areas were reported to remain but not be in operation. SCE occupied the property from 1950 through 1997, then EPTC operated between 1997 and 2003, following by Pacific Terminals between 2003 and 2005. IEUA has operated at the property since 2005. The information in the application indicated that benzo(a)pyrene was detected in soil at a maximum concentration of 4.2 mg/kg, dibenz(a,h)anthracene was detected in soil at a maximum concentration of 0.62 mg/kg; and TPH (C10-C24) was detected in soil at a maximum concentration of 8,900 mg/kg. The application indicated that a removal action workplan is proposed.

- The IEUA entered into a FICA agreement with the DTSC on June 8, 2021. This document described the IEUA property (IEUA West Reservoir) as formerly owned and operated by the SCE Etiwanda Generating Station, address 8998 Etiwanda Avenue. The scope of work under this agreement including preparation of a SMP, performance of a human health screening evaluation, limited sampling and off-site disposal of impacted soils, and public notifications.

- A Soil Management Plan (SMP), dated March 24, 2022, was prepared by Environmental Application Inc (EnvApps) for the IEUA portion of the Former Southern California Edison Etiwanda Generating Station. The report stated that the site will be closed under the FICA with a land use covenant limiting property use to commercial/industrial purposes. The property history summarized in this report indicated that SCE owned this portion of the property as part of the Etiwanda Generating Station which was constructed by 1953. The western portion of the Etiwanda Generating Station that included the current IEUA property had been developed with four 128,000-barrel fuel oil ASTs, a fuel pumping area, and pipelines. Additional ASTs were installed in 1962. SCE sold the majority of the Etiwanda Generating Station in 1997 to

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Reliant Energy, Inc. The AST area was retained by a subsidiary of SCE, EPTC. The South East, South West, and two 316,000-barrel fuel oil tanks were demolished in 2001 and SCE developed the Rancho Vista substation in the former AST locations. The remaining EPTC property was sold to Pacific Terminals, Inc in 2003 and then sold to IEUA in 2005. The NE and NW ASTs still present on the property were converted to holding recycling water. Reliant merged with Mirant Corporation in 2010 to form GenOn energy, which was acquired by NRG Energy, Inc in 2012. NRG went bankrupt in 2018 and BTC III acquired the former Etiwanda Generating Station in 2020. BTC III plans to redevelop the property. This SMP report indicated that IEUA has no development plans for their property and plans to continue to store recycled water. The SMP and its attached health and safety plan and ambient air monitoring plan identified TPH, VOCs, metals, SVOCs, and PAHs and potential constituents of concern, and that an area of PAH-impacted shallow soils was located near the Northwest Tank.

- ENVAPPs letter dated April 27, 2022, revised May 12, 2022, titled “Project Risk Assessment Memorandum, Inland Empire Utilities Agency (IEUA) Portion of Former Southern California Edison (SCE) Etiwanda Generating Station, 8998 Etiwanda Avenue, Rancho Cucamonga, California 91739”, Subject “Results of Soil Sampling at F1a1 following Excavation” – The background section of this memorandum indicated that in 2020 step-out bores were advanced in two rings around the 2017 soil bore F1a1 (where TPH and benzo(a)pyrene concentration exceeding commercial limits had been reported). Using the results, a human health risk evaluation was performed in 2020. Based on the findings, approximately 35 yards of soil in the first ring was excavated up to 4 feet, and a stained area on the southwest side of the excavation was removed up to 1 foot. Confirmation soil samples were collected. Results indicated TPH was still present in three samples collected stained area excavation (TPHC10-C24 at 144 mg/kg, 776 mg/kg and 1,470 mg/kg and C24-C26 at 1,650 mg/kg, 2,410 mg/kg, and 3,650 mg/kg). PAHs were not detected. EnvApps concluded that the remaining TPH concentrations were within acceptable risk.

<u>BTC III Etiwanda Commerce Center LP</u>

- A FICA between the DTSC and BTC III Etiwanda Commerce Center LP was signed June 1, 2021. BTC III Rancho Cucamonga Logistics Center LP purchased the Subject Property from GenOn California South, LP on December 29, 2000. This document described the Subject Property as the Etiwanda Generating Station, formerly owned by SCE. SCE was identified as having performed corrective action cleanup activities for storing hazardous waste non-permitted wastewater retention basins. The retention basin case was closed in 2011. This document indicated that as of January 2020, SCE was responsible for implementation of a

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RCRA Facility Investigation (RFI) Workplan and RFI Report. After DTSC approval of the RFI Report, Subject Property redevelopment may be performed. A copy of the RFI Work Plan was not available as of the date of this report.

- Northgate Environmental Management prepared a *Technical Memorandum: Additional RFI Soil Vapor Sampling, Etiwanda Generating Station*, dated December 6, 2021. This report indicated that additional soil vapor sampling events had been performed to delineate the extent of chloroform in soil vapor beneath the Subject Property. The maximum chloroform, bromodichloromethane, carbon tetrachloride, and dibromochloromethane concentrations in soil vapor were reported to be at a location south of the former sodium hypochlorite AST. Elevated concentrations were reported to be present at depths ranging from 60 to 100 feet bgs. This memorandum proposed an additional step-down soil vapor probe to assess the vertical extent of VOCs.

- Northgate Environmental Management, Inc, *Revised Soil Removal Completion Report at Cooling Towers for Units 1 and 2, Etiwanda Generating Station, 8996 Etiwanda Avenue, Rancho Cucamonga, California*, dated January 6, 2022. The report documented the removal of shallow arsenic-impacted soil from the former Unit 1 and Unit 2 cooling tower locations. The arsenic site action level was identified as 12 mg/kg, which is the upper-bound background concentration for Southern California. Elevated arsenic concentrations were identified within 1.5 feet horizontally from the cooling towers, with decreased arsenic concentrations observed by 3 feet horizontally from the towers. Concentrations were elevated in the upper 6 inches of soil and appeared to decrease between 6 and 12 inches bgs. Excavations around the former cooling tower concrete pads were 4 feet to 8 feet wide and 6 inches to 1.5 feet deep, depending on confirmation sample results. Approximately 289.13 tons of arsenic-impacted soil and asphalt were removed from four main excavations and six smaller excavations. Northgate recommended issuance of a no further action letter.

- Northgate Environmental Management, Inc, Technical Memorandum “Supplemental Soil Vapor and Groundwater Assessment, Etiwanda Generating Station (EPA ID No. CAF 079 548 574), 8996 Etiwanda Avenue, Rancho Cucamonga, CA 91739”, dated March 29, 2022. This memorandum indicated that implementation of the Revised Final RFI Work Plan began August 23, 2021, with additional soil and soil vapor sampling events completed between September 2021 and February 2022 (Northgate Technical Memorandums dated December 6, 2021, February 2, 2022, and March 15, 2022). Concentrations of chloroform, carbon tetrachloride, PCE, and 1,1-DCA were reported in soil vapor above commercial US EPA Regional Screening Levels (RSLs) and DTSC modified screening levels (DTSC-SLs). The soil

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vapor plumes, located north and west of the former warehouse area, appear to be related to a former sodium hypochlorite AST. Chloroform concentrations were reported to increase from 0 to 100 feet, and then decrease/stabile between 100 and 200 feet bgs. Carbon tetrachloride appears to increase in concentration up to 200 feet bgs. This memorandum proposed additional soil vapor and groundwater assessment including one bore to groundwater to collect a grab groundwater sample, install of a well if required based on VOC concentrations in groundwater, and install nested soil vapor probes at 250 feet, 300 feet, 350 feet, and 400 feet bgs.

- A US EPA letter signed December 15, 2022, titled "Etiwanda Commerce Center – PCB Notification/Cleanup Plan – EPA Conditional Approval, 40 CFR 761/61(a) and (c) – PCB Site ID: CAR00038158". This letter was in response to the submittal of a "Self-Implementing PCB Cleanup and Disposal Notification Plan, BTC III Etiwanda Commerce Center, 8996 Etiwanda Avenue, Rancho Cucamonga, California," prepared by Roux Associates, Inc and dated August 5, 2022, revised November 28, 2022. This letter identified the former Etiwanda Generating Station as a PCB clean-up site. PCB contaminated concrete, asphalt, and soil was identified around Units 1 and 2, with PCB concentrations up to 750 mg/kg. This letter conditionally approved the 2022 PCB Cleanup Plan but noted that the plan does not cover Units 3 and 4 and that other areas may be impacted with PCBs (i.e., compressors). A PCB limit of 0.58 mg/kg was identified for backfill material. The PCB investigation and cleanup activities are further discussed in the US EPA agency record review in Section 4.1.12.

Records were reviewed for facilities that adjoin to the Subject Property or are considered to adjoin to the Subject Property by the ASTM Standard Practice. Information about the adjoining properties is summarized below:

- SCE Grapeland Peaker facility adjoins the Subject Property to the west. A *Soil Management Plan, Project Construction, SCE Grapeland Peaker Project, Rancho Cucamonga, California*, prepared by Weidner, R.S. in February 2007, indicated the upper 5 feet of the property would be removed from beneath the Peaker unit, replaced, and then re-compacted. Based on Kleinfelder's review of the tables included in the SMP, the metal concentrations appeared to be within background levels. OCPs 4,4'- dichlorodiphenyldichloroethylene (DDE) and 4,4'-dichlorodiphenyltrichloroethane (DDT) were detected at maximum concentrations of 54 µg/kg and 23 µg/kg, respectively. Field daily reports dated March 7 and March 8, 2007, documented observation of the excavation activities for the Grapeland Peaker site. Excavations on the south side road around the Peaker unit area extended up to approximately 10 feet below grade and excavations on the outer edge of the north side road extended up to approximately

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6 feet. No evidence of discoloration or odor was observed. A PID was used in the stockpiles soils which revealed non-detect readings. Similar comments were made about the excavated areas. An email on March 9 from SCE indicated that no contaminated soil was observed and preliminary data indicates low concentrations of DDT and DDE, and no detections of PCBs.

- DP Etiwanda is located at 8822 Etiwanda Avenue (Envirostor ID 60002634) and adjoins the Subject Property to the north, across the railroad tracks. This facility was enrolled in the Voluntary Cleanup Program and has a case status of certified O & M – land use restrictions only as of October 22, 2020. This property was historically agricultural with a single-family residence and a railroad spur on the property between 1938 and 1966. The facility was then used for automobile and scrap metal recycling from 1975 through 2017. This facility was proposed to be redeveloped with as a transportation facility with office, storage, freight, shipping, and trucking operations. As part of proposed redevelopment activities, the DTSC reviewed the *Initial Study/Mitigated Declaration for Design Review* and required a soil and soil vapor investigation of the property in their comments, dated February 14, 2018. A Voluntary Cleanup Agreement was signed on May 3, 2018. A site assessment was performed by Ramboll in July 2018, and concentrations of metals, TPH, and PCBs were reported to be present in soil samples. Subsequently, remedial excavation was performed to remove contaminated soil. Confirmation soil samples indicated that residual metal and PCB concentrations at the property were below commercial/industrial screening levels, except for areas along the western, northern, and southern property boundaries. A LUC between DP Etiwanda and DTSC was executed on August 19, 2020, restricting the property to commercial/industrial use. A subsequent investigation to delineate residual soil impact along the property boundaries was performed in August 2020. Refusal between 1 foot and 2.5 feet bgs was encountered in many of the bores along the western property boundary (adjoining the Subject Property). Based on Kleinfelder's review of the investigation results, lead was reported to present at a maximum concentration of 379 mg/kg in a 0.5-foot soil sample in the west-northwest boundary of the property in 2018. Samples from the step-out bore advanced to the west of the location of the maximum result in 2020 indicated that lead was present at 0.5 foot at 83 mg/kg, and at 6.9 mg/kg at 2 feet. PCB concentrations were present above commercial screening levels in soil samples collected from the 2018 excavation on the west-southwest boundary of the property. The maximum concentration of Aroclor-1248 was 11.7 mg/kg at 0.5 foot and the maximum concentration of Aroclor-1254 was 2.47 mg/kg, also in a 0.5-foot sample, though PCB concentrations were reported at depths down to 3 feet bgs at some locations. Only a 0.5-foot sample was collected at the step-out location to the west of the highest Aroclor-1248 concentration, but the analytical results indicated an Aroclor-1248

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concentration of 0.39 mg/kg. Samples from the other two step-out bore locations contained PCB concentrations and did not further delineate the impacted soil. A drainage channel and then the northern portion of the Chadwick Channel, which flows through the Subject Property, adjoins the western boundary and southwest corner of this property (the lead and PCB-impacted area). A concrete cinder block wall was reported to be present on the boundary preventing any further step-out bore assessments. Ramboll indicated that the residual concentrations of lead present along the south and northwest boundaries were localized and slightly above the commercial/industrial screening levels. Ramboll indicated that the step-out sample results did not exceed the previously maximum detected PCB result and that the concrete cinder block wall along the western boundary acts as a barrier to limit the PCB impact. Ramboll also indicated that the lead and PCB concentrations were adequately characterized and do not present a human health risk since the property has a land use covenant limiting it to industrial use. There is potential that surface impacts from this property were transported to the Subject Property through runoff draining the Chadwick Channel, therefore, this property is considered an environmental concern. However, since this property has been mostly remediated with only localized areas of residual contamination, redeveloped as a trucking facility, and operates under a LUC, in Kleinfelder's opinion it is no longer considered a REC.

- Bernell Hydraulics is located at 8810 Etiwanda Avenue (Envirostor ID 60003183) and adjoins the Subject Property to the north, across the railroad tracks and adjoining Etiwanda Avenue. This facility was listed in the VCP with an active case as of September 17, 2021. A standard VCA was executed in January 2022. Based on the history provided in the standard VCA and a Phase I ESA prepared by Ninyo & Moore dated October 29, 2020 (Ninyo & Moore, 2020), this property was historically developed as a Department of Transportation maintenance yard by 1938, with additional structures developed between 1949 and 2005. The property was occupied by Mountain Metals, a metal recycling facility, between 1970 and 1980, and then hydraulic systems fabrication, maintenance, and repair facilities from 1980 to the present. The Ninyo & Moore Phase I ESA reported that the facility received violations for poor housekeeping and had heavy oil staining and during the site reconnaissance a hydraulic oil spill was noted in the northern portion of the property. Other incidents included an ERNS database listing for "50 or more 55-gallon drums of motor oil and hydraulic oil that were knocked over and overfilled for a long period of time" in 1998, an incident of overflow from the oil filter area in 2015 resulting in runoff to the storm drain south of the property and north of the SCE property (the Subject Property), and a CHMIRS database report indicating employees dumped approximately 500-gallons of used oil over the wall into the dry channel.

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Ninyo & Moore's Phase I ESA identified the use of the property as a hydraulics facility for over 30 years as a REC, heavy oil staining and general poor housekeeping as a REC, and potential for vapor encroachment from the historic past uses as a REC. Based on the Phase I ESA findings, Ninyo & Moore performed a limited Phase II ESA (Ninyo & Moore, 2021) to assess soil and soil vapor conditions at the property. Assessment activities identified slag material beneath the pavement, and elevated concentrations of copper (up to 690 mg/kg), lead (up to 220 mg/kg), and PCBs (Aroclor-1254 maximum 2,200 µg/kg, Aroclor-1260 maximum 1,500 µg/kg) were detected in soil. PCE was reported to be present in soil vapor at concentrations up to 240 µg/m^3. Due to this facility having an active cleanup case and reports of improper waste oil disposal, this facility is considered an environmental concern. However, as this facility does not adjoin the Chadwick Channel or the Subject Property, it is not considered a REC.

- BTC III Arrow Route, which is located at 12451 Arrow Route (Envirostor ID 36340066) and adjoins the Subject Property to the north, is in the VCP as an active voluntary cleanup site as of August 24, 2022. This property had been developed as a steel mill in the 1950s and previous occupants were listed as Etiwanda Steel Producers in 1956, Ameron Steel / Ameron Pipe Products in 1970, Tamco Steel in 1974, Fontana Steel in 1988, Gerdau Steel in 2013, and CMC Steel in 2018. Multiple closed cleanup cases were listed in association with this property, including a NFA status for lead remediation issued by the SARWQCB in 1990, a NFA for UST removal issued in 1994 by SBCDEH, excavation oversight performed by the DTSC in 2001, NFA for slag stockpile remediation in 2002 by SBCFD, NFAs for UST removal in 2006, 2011, and 2014 by SBCFD, and a Consent Order in 2007 by the DTSC. Multiple site investigations have been performed since 2021. Soil and soil vapor have been impacted by historic operations. TPH, PCBs, and metals were reported to be present in localized areas in shallow soils. VOCs were not detected in soil samples greater than screening levels. Benzene (maximum concentration of 29 µg/m^3), PCE (maximum concentration of 680 µg/m^3), TCE (maximum concentration of 550 µg/m^3), and chloroform (maximum concentration of 86 µg/m^3) were present above their respective commercial screening levels in soil vapor samples. The maximum PCE and benzene concentrations were present in soil vapor samples collected from 5 feet bgs and the maximum TCE and chloroform concentrations were detected from soil vapor samples collected from 35 feet bgs. PCE and TCE were present in soil vapor samples at maximum concentrations of 2,500 µg/m^3 (15 feet bgs) and 520 µg/m^3 (35 feet bgs). In summary, soil vapor investigations identified that PCE, TCE, benzene, and chloroform were present in soil vapor beneath the western portions of the former roll mill and beneath the parts warehouse on APN 0229-131-19 at concentrations exceeding commercial screening levels.

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Soil vapor extraction (SVE) wells were installed and a SVE pilot test was performed in 2022. The pilot test was confirmed to be effective for soil vapor remediation. Further delineation of TPH-d, metals, and SVOCs in shallow soils in localized areas, and further delineation of PCB-impacted soils near the railroad spurs was recommended in the most recent investigation reports. A workplan for further delineation was present in a *Current Conditions Report* prepared by Roux (Roux, 2023). Based on the ongoing site assessment activities and reported concentrations of contaminants in surface soil, the historical occurrence of stormwater runoff from this facility impacting the property west of the Subject Property, and the report that stormwater runoff flows to the Subject Property, this property is considered an environmental concern. However, as this property is currently being cleaned up to commercial standards and is proposed to be redeveloped, the historical sources of contamination are no longer present, and this facility is not considered a REC.

A copy of the EnviroStor search results is provided in Appendix C.

4.3.4 State Water Resources Control Board, GeoTracker™ / San Bernardino Regional Water Quality Control Board

Kleinfelder reviewed the SWRCB's GeoTracker™ Database (http://geotracker.waterboards.ca.gov/) on September 26, 2023 for information pertaining to the Subject Property and adjoining properties. The Subject Property address 8996 Etiwanda Avenue was listed under the name "Generating Station, Etiwanda" (L10004706415) as a Land Disposal Site with a status of case closed as of November 22, 2006. No remedial actions were entered into the database; however, a SARWQCB regional board case number (8 362300001) was provided. The Subject Property was also listed as Etiwanda Generating Station (SL208183873) and was listed as a cleanup site under oversight by the SARWQCB with a status as "Completed-Case Closed" as of December 3, 1997. The file was listed as archived.

Kleinfelder also reviewed Geotracker for open or closed cases on the adjoining properties. All State Recycling, which is located at 8949 Etiwanda Avenue (or 8889 Etiwanda Avenue) east of the Subject Property, across Etiwanda Avenue, was listed on the Site Cleanup Program and has a status of case closed as of June 28, 2013. Based on review of a *Limited Subsurface Investigation* report, prepared by Rubicon Engineering Corporation (Rubicon) and dated April 3, 2012 (Rubicon, 2012), site investigations performed in October 2010 identified TPH and metals in soil. Rubicon performed a subsurface investigation in 2011 that included the advancement of ten soil bores (S-1 through S-10) locations from which soil samples were collected at 6 inches and 5 feet bgs (except for at the location of S-3 where soil samples were collected up to 10 feet

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bgs), and six additional shallow soil sample locations (S-11 through S-16). Soil samples were analyzed for TPH, PCBs, and metals. One soil sample was also analyzed for SVOCs, chlorinated herbicides and organochlorine pesticides. The investigation results indicated that low concentrations of TPH were present in shallow soils (TPH-d up to 79 mg/kg and TPH-o up to 216 mg/kg in samples collected from 6 inches bgs); PCBs concentrations were detected in three shallow soil samples at concentrations of 60 µg/kg to 1,800 µg/kg at one location; and metal concentrations were either not detected or were within background levels except for lead. Lead concentrations were elevated (317 mg/kg to 525 mg/kg) in four shallow soil samples collected from 6-inches bgs in the vicinity of soil boring S-3 located in the northeast portion of the property. SVOCs and herbicide concentrations were not detected in the one analyzed sample. One OCP was detected but did not exceed screening levels. A SBCFD letter dated May 8, 2012, indicated that the SBCFD would provide oversight of site investigation and remedial activities. A second investigation was performed by Rubicon in 2012 to assess the extent of impacted soil. This investigation concluded that lead-impacted soil is present in the near-surface up to depths of approximately 6 inches bgs in the vicinity of boring S-3 and S-10A, and 1 foot bgs in the vicinity of S-8A and S-9A. Between September 27, 2012 and November 21, 2012, remedial excavation was performed in two areas: one 50 feet by 30 feet area was excavated to 1 foot bgs and one 60 feet by 20 feet area was excavated to 2 feet bgs. Confirmation soil samples were collected and results indicated PCBs were not detected and lead concentrations ranged from 2.5 mg/kg to 5.37 mg/kg. Approximately 144-cubic yards of soil were excavated and transported to the Buttonwillow Class I disposal facility. The SBCFD to issue a closure letter dated June 28, 2013.

4.3.5 South Coast Air Quality Management District (SCAQMD)

Information concerning air permits was obtained by Kleinfelder from published documents available in the SCAQMD's online Facility Information Detail (FIND) database (https://www.aqmd.gov/nav/FIND/facility-information-detail). A search of the Subject Property and adjoining properties was conducted. Based on the search performed on September 13, 2023, various air quality permits are associated with the Subject Property addresses. A copy of the map search results is presented in Appendix C.

The Subject Property is listed as active and reports under Facility ID 115315 as an electrical services facility named NRG California South LP, Etiwanda Gen St. The Subject Property is also listed as a Cycle 1 SCAQMD Regional Clean Air Incentives Market (RECLAIM) facility producing approximately 1020 megawatts (MW) of power for distribution to the California Power Grid. The following equipment was listed for the Subject Property:

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- Two boiler utilities (>50 MW) were listed on a permit to operate on June 21, 2018.
- Two cooling towers, under Rule 222, were issued a permit to operate on March 2, 2018, under permit number G50956 and G50955, and closed on that same date after which it became inactive.
- A boiler used for hot water (<600,000 British thermal units per hour [BTU/HR], diesel/oil fired) was issued a permit to operate on June 11, 2014, under permit number G30321. The equipment is currently listed as inactive as of March 11, 2014.
- A Title V Renewal Permit was issued on October 11, 2013 and closed on November 5, 2014.
- A boiler (<5 million BTU [MMBTU]/HR) Diesel was issued a permit to operate on December 13, 2013 and then closed that same date.
- An administrative permit revision associated with Title V (Application 554596) was created on July 24, 2013.
- A permit to operate an internal combustion engine for emergency fire purposes was issued on November 13, 2009, and then closed on March 9, 2010.
- A facility permit to amend-reclaim Title V was issued on November 13, 2009, and closed on March 10, 2010.
- A significant permit revision to reclaim Title V was cancelled on application 500161 on February 17, 2010.
- An equipment permit for an abrasive blasting cabinet/machine/room was cancelled for operating without a permit on February 17, 2010.
- The application to operate the boiler utility (<50MW) was cancelled under application 469527 and 469526 on February 18, 2009.
- A permit application to operate a storage and gasoline facility was rejected on May 1, 2008.
- A Title V permit revision and RECLAIM application was approved and closed on February 18, 2009.
- A Title V permit was approved on July 6, 2007.
- A permit to operate an ammonia storage tank was cancelled on May 31, 2011.
- A construction permit to construct a new natural gas boiler (<50 MMBTU/HR) was cancelled on May 31, 2011.
- A permit for selective catalytic reduction was denied on February 17, 2010, and then cancelled on May 31, 2011.
- A permit to construct a natural gas turbine engine (<50MW) was denied on February 17, 2010, and then cancelled on May 31, 2011.

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- A permit to operate was granted for selective catalytic reduction on February 18, 2009, and then closed that same date.
- A Title V RECLAIM application was approved and closed on November 9, 2004.
- A permit to operate was granted for selective catalytic reduction on February 18, 2009, and closed that same date.
- A permit to operate a boiler utility used for selective catalytic reduction (<50MW) was granted on February 18, 2009 and is currently listed as inactive.
- A Title V application was approved on June 17, 2004.
- A Title V application was approved on April 8, 2009.
- A plan application was approved for excavation activities on January 9, 2004.
- A Title V application was approved on December 19, 2003.
- The selective catalytic reduction permit to construct was cancelled on September 16, 2003, including associated turbine engines and boilers depicted on applications and are currently listed as inactive.
- The Title V RECLAIM application was cancelled on September 16, 2003, on application 415903.
- The application to construct a new ammonia storage tank was cancelled on September 12 and 19, 2003, on application 415901 and 403979.
- A Title V application was approved on March 28, 2003, on application 413397.
- A permit to operate a (50-500 horsepower [HP]) EM gasoline-powered firefighting engine was granted on September 25, 2013, on application 409114 and 409111 and is currently listed as inactive.
- An application was cancelled to change the conditions on a permit related to a boiler utility (>50MW) on September 2, 2004, on application 408938 and 408937.
- A plan application was approved regarding a RECLAIM/Title V minor permit revision on December 20, 2002, on application 408936.
- A permit to alter/modify a boiler utility (>50MW) was cancelled on September 19, 2003, on application 403978 and 403977 including selective catalytic reduction permits on applications 403977, 403976, and 403975.
- A plan application was approved related to RECLAIM/Title V minor permit revision on October 31, 2002.
- A plan for excavation was approved on November 12, 2002.
- A Title V revision was approved on April 5, 2001, on application 380499.
- An alteration/modification permit for boiler utility (>50 MW) was cancelled on October 31, 2002.
- Application data for the excavation plan permit was uploaded on March 2, 2001.

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- Permit G1543 and G1544 to operate storage tank with vapor control for ammonia was granted on July 24, 2018.
- A permit for new construction related to selective catalytic reduction was cancelled on July 26, 2012.
- An alteration/modification permit for boiler utility (>50 MW) was cancelled on December 20, 2002.
- Application data was uploaded for the plans and excavation of cooling towers to meet hex chrome compliance on January 15, 1999.
- Initial Title V permit application was dated September 8, 1999.
- A sump, containment permit to operate and change of ownership was granted on August 31, 2018, and is currently listed as inactive.
- A permit to operate and change ownership of boiler utilities (>50 MW) was granted on August 20, 1998 and is currently listed as inactive.
- A change of ownership to operate a storage tank used for petroleum middle distillate was granted on July 13, 2007, and is currently listed as inactive.
- A change of ownership to operate the turbine engine (>50M MW) ELE Peak Gas-Res was granted on January 14, 2014, and is currently listed as inactive.
- A change of ownership to operate the (50-500 HP) EM firefighting gasoline engine was granted on February 12, 2003, and is currently listed as inactive.
- A change of ownership to operate the service station and gasoline dispensing facility was granted on August 15, 2007, and is currently listed as inactive.

Compliance

- A violation for failure to electronically report total daily mass emissions of NOx & daily status of codes to the District central NOx station for each major NOx source was recorded on November 27, 2011. The case is currently closed as of September 18, 2018.
- A violation for failure to submit a facility quarterly certification of emissions (QCER) for the third quarter of 2008 in a timely manner was recorded on October 31, 2008. The case is currently in compliance and the disposition status is closed as of March 25, 2010.
- A violation was recorded on January 1, 2000, for exceeding the annual NOx emission allocation in effect at the end of the recon period. The case was closed as of December 5, 2008.
- A violation was recorded on December 31, 2001, for the 1020 ME power station boilers exceeding the NOx emission allocation for each of the four quarters in the year 2001. The case is currently in compliance and closed as of June 11, 2003.

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- A violation was recorded on June 21, 2001, in regard to visible emissions from a boiler unit at greater than two Ringemann aggregating greater than three minutes in one hour. The case is currently in compliance and closed on March 26, 2002.

Hearing Board

A petition for a variance before the Hearing Board of the SCAQMD was issued on July 12, 2001 under case 5250 to continue to allow Reliant Energy Etiwanda, LLC, to operate its electrical generating facility while it works to correct problems that are preventing its Remote Terminal Unit (RTU) from communicating with the District's Private Data Network (PDN) pursuant to Rul©012(c)(3)(A) associated with total daily mass emissions of NOx and daily status codes. For more than two years prior, the petitioner was successful in sending data to the District's PDN; however, the petitioner had changed the phone number on a new PDN, causing data to be rejected and a source of the problem for data transmittal. The petitioner was not aware of the issue and began preparations about the need to obtain variance on July 9, and as a result, the petitioner is unable to comply with District Rules 2004(f), 2012(c)(3)(A), and the Permit Conditions contained in Sections F and G of the facility's Title V Permit. The petitioner would seek additional variance to allow it to operate Device No. D24 (Unit Four) of its electrical generating facility after the date by which the Permit to Construct and Temporary Permit to Operate requires source testing.

The transmittal for emergency variance request to be issued without notice or hearing was dated December 7, 2001, as case 5250-1. Petitioner filed a petition in case 5250-2 in order to protect its right to Hearing Board review on December 12, 2001. The petition in case 5250-3 dated January 24, 2002, depicts the petitioner variance to allow it to operate Unit 1 of its facility without having first performed a Relative Accuracy Test Audit (RATA), as required by Rules 2004(f) and 2012(m), however the petitioner seeks an ex parte emergency variance because Unit 1 may be called on by California Independent System Operator (CalSO) to operate as soon as January 24, 2002, and the Clerk of the Hearing's office informed the petitioner that an emergency variance would not be heard until January 29, 2002, and short variance would not be heard until February 12, 2002. Petition for case 5250-4 explains that the petitioner has met all deadlines for submittal of applications and proposed plans in compliance with Rule 2009, however, a compliance plan still has not been approved for the facility and permits to construct SCR control equipment were not available until October 31, 2002. Combined with the District's staff interpretation of Rule 2009, the petitioner is unable to comply with Rule 2009 (b)(2) and (f)(2). In conformance with Rule 2009 deadlines, the petitioner proposed a compliance plan for the facility on September 1, 2001, which was initially denied, and a revised proposed compliance plan was submitted on December 12,

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2001. In conformance to the revised compliance plan, the petitioner submitted applications for permits to construct the SCR control equipment by July 12, 2002, but were approved on October 31, 2002.

The petitioner received the Districts revised compliance plan on November 1, 2002, one day after the proposed SCR control equipment was to be installed on Units 1 and 2, and as a result, the petitioner was unable to comply with the installation date called for in the Districts newly proposed compliance plan. On November 13, 2002, District council informed the petitioner that the District interprets Rule 2009 (b)(2) and (f)(2) to require the SCR control equipment to be operational by January 1, 2003, even if the units are not operating and emitting. Petitioner is applying for variance from Rule 2009 (b)(2) and (f)(2) until petitioner can install the SCR control equipment as they do not have enough time to obtain, install, and have the SCR equipment operational before the January 1, 2003, operational date or surrender the permits. Failing to install the SCR equipment in a timely manner if the requested variance relief is denied would deprive the opportunity of the petitioner to use its otherwise lawful equipment, and as a result, requiring compliance would result in the practical closing of the facility.

The findings and decision of the Hearing Board in case 5250-5 depict that the Executive Officer did not oppose the granting of the variance and granted the petitioner regular variance from District Rules 203(b), 2004(f)(1), 3002(c)(1) and Rule 2012 Appendix A, Attachment C, Subpart (B)(2) for two boilers for the period commencing April 1, 2003, through April 14, 2004. Final compliance was met on May 5, 2003. On July 8, 2003, the petitioner requested emergency variance and short variance form District Rules 203(b), 2004 (f)(1), and 3002(c)(1) to operate Unit 3 in violation of the 7.0 ppmv NOx emission limit in Permit condition No. A195.6 due to problems with the new ammonia control valves installed, which found that the supplier of the valve had changed the original design but had not documented the change, therefore injecting more ammonia than the SCR could handle. The Hearing Board did not oppose the granting of the variance and allowed short variance for the period commencing July 24, 2003 through August 22, 2003 to achieve final compliance or upon achieving compliance with the 7.0 ppmv rolling average over 720 operating hours, whichever comes first. Final compliance was eventually reached on July 29, 2003.

Maintenance of Unit 4 flue gas circulation fan meant that the CEMS heated sample line will be disconnected from the NOx and O2 analyzers during the approximate period of March 1 to 31, 2008. As such, short term variance was requested on January 24, 2008 to conduct maintenance of facility equipment and was granted by the Hearing Board on February 29, 2008. Final

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compliance was achieved on March 21, 2008, after the sample line was reconnected and leak check of the sample line and auto calibration of the CEMS were successfully performed.

Kleinfelder also reviewed available facility permits and Rule 2009 Compliance Plans which describes the facility and the specific equipment conditions. At this facility, pipeline grade natural gas from Southern California Gas Company (SoCal Gas) is combusted to generate electricity. The plant is comprised of five generating units consisting of four conventional steam turbine units, each with a boiler, turbine, generator, and control systems (Units 1, 2, 3, and 4), and one peaking unit (Unit 5). Units 1 and 2 are identical and began operating in 1953 and are rated at 132 MW each. Units 3 and 4 are identical and began operating in 1963 and are rated at 320 MW. All four boilers are RECLAIM major sources and utilize off-stoichiometric combustion to reduce NOx formation. Unit 5 consists of eight Pratt & Whitney Aircraft Model GG4a-7DF aeroderative gas generators exhausting into four Worthington Model ER-224 expander turbines connected to a double-ended drive shaft of the 126 MW generator. According to the permit, process 1 of the facility is used for consumer refueling and contains a fuel dispensing nozzle for gasoline and a 550-gallon UST. Process 2 is associated with the internal combustion for the industrial use of the facility and consists of a system with an internal combustion engine which uses two emergency fire liquified petroleum gas (model HXLE and HXE) engines of 79 and 227 HP. Process 3 is associated with petroleum storage in the form of a 903,000-gallon storage tank fixed on the roof with jet fuel. Process 4 is associated with external combustion and power generation in the form of two 2,900 MMBTU/HR natural-gas boilers with staged combustion (No. 3 & 4) and in-duct selective catalytic reduction systems measuring 16-feet high, 23-feet long, and 33-feet wide. Process 5 is associated with inorganic chemical storage and consists of two 10,000-gallon pressurized storage tanks containing aqueous ammonia (19%). Process 6 is associated with R219 Exempt equipment subject to source-specific rule and consists of an abrasive blasting equipment glove box with dust filters, oil-water separators, portable coating equipment, and cooling towers. Process 7 is associated with wastewater treatment and consists of an open top catch basin used to store wastewater, and measures 24-feet wide by 11-feet deep and 20-feet long. The two remaining boilers (No. 1 & 2) were found to be rated at 132 MW each (ID No. D18 & D20).

<u>8998 Etiwanda Avenue – Pacific Terminals LLC</u>

Kleinfelder submitted a records request to the SCAQMD for information regarding this facilities P/O's, EQL's, NOV's, N/C's, and emissions summary on September 14, 2023. Records were provided electronically on September 21, 2013. The facility was listed under Facility ID 137517.

- Facility Permit for compliance year 2003 (RECLAIN).

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- Application permit for three petroleum middle distillate storage tanks (Application 418628, 418626, 418625) on July 31, 2003 were cancelled.
- Permit to operate two utility boilers –>50 MW) - natural gas/residual oil – Permit F8937 and F8938 (issued on August 23, 1997/Inactive).
- Permit to operate a sump/containment - Permit F13619 (issued on May 7, 1998/Inactive).
- Permit to operate a petroleum middle distillate storage tank – Permit F50819 (issued on March 28, 2002/Inactive).
- A tiered (1-20 devices) initial Title V permit application was cancelled on July 22, 1997.
- A violation was recorded on September 4, 1984 for excessive oxides emissions.
- A violation was recorded on December 31, 1996 for exceeding the annual allocations of emissions for Reclaim compliance year 1996.
- A violation was recorded on June 17, 2003 for failing to submit QCER within 30 days of the end of the quarter.
- A violation was recorded on November 3, 1999 under Rule 2004 (b)(1).
- A violation was recorded on November 25, 1984 for excessive oxides emissions.

Copies of the available records are included in Appendix C.

4.3.6 San Bernardino County Fire Protection District – Hazardous Materials Division

Kleinfelder submitted a request for records to the San Bernardino County Fire Protection District (SBCFPD) on September 11, 2023 and an email response with a letter summarizing the available records was received on September 14, 2023. Copies of records were obtained during in an in-person file review performed on September 27 and 28, 2023. Copies of pertinent information are included in Appendix C.

The following records were available for the Subject Property:

Inactive Permit and/or Non-Permit Facilities

The Etiwanda Generating Station (FA0002943 / EST # 86008879 / CERS ID 10038976) was listed as having an inactive small quantity generator permit, inactive hazardous materials 11-30 chemicals handler permit, and inactive UST permit. Historical annual permits available for the Etiwanda Generating Station are listed below:

Permits, Inspections, Correspondence:

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- Interim Status Document dated March 30, 1981. This document outlines hazardous waste management plans for the SCE facilities including the use of surface impoundments.

- A San Bernardino County (SBC) Environmental Health Services letter dated June 22, 1984, documented receipt of SCE's hazardous waste permit application and indicated the permit would be delivered during inspection.

- A SCE letter dated May 26, 1987 indicated that the cooling tower wood was replaced with PVC fill material. Samples of the wood indicated it contained elevated metal concentrations. Samples of the cooling tower sludge contained arsenic and copper concentrations exceeding their respective STLCs. Uniform Hazardous Waste Manifests were provided for the disposal of the wood.

- A DTSC letter dated January 29, 1987, granted a Hazardous Waste Facility Permit Variance to allow on-site treatment of liquid hazardous wastes from the chemical cleaning of internal boiler surfaces at the generating stations. In a letter dated June 30, 1993, the DTSC granted the request to operate one Transportable Treatment Unit (TTU).

- SCE submitted Acutely Hazardous Registration forms in 1988, 1989, and 1990 for hydrazine and sulfuric acid.

- A SARWQCB letter dated September 2,1988 summarized an inspection of the Etiwanda Generating Station. Areas of concern identified included drainage line failures which may be attributable to low pH waste from boiler cleaning being discharged to the main line prior to construction of the boiler cleaning waste retention basin and the condition of the retention basins and their linings.

- A DTSC letter dated July 3, 1992, identified the storage of hazardous waste in the acid retention basin without a hazardous waste storage facility permit as a violation.

- SCE submitted an "Onsite Hazardous Waste Notification Form" dated April 1, 1993 included the following conditionally exempt waste streams: four oil/water separator (oil is recycled), container crushing unit (scrap metal is recycled), demineralizer (acid is neutralized). An Onsite Hazardous Waste Treatment Notification Form dated November 24, 1993, included the following conditionally exempt waste streams: container crushing.

- An SCE letter dated November 22, 1993, titled "Withdrawal of Tiered Permit Applications to Address identified Deficiencies", indicated that SCE thought the tiered permits were no

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longer required for oil water separators as they are non-hazardous. A tank was indicated to be scheduled for construction at Etiwanda for the demineralizer neutralization process and the cooler tower waste is not regulated as hazardous, therefore, no Tiered Permit is needed for this process either.

- A SCE letter dated December 10, 1993, entitled “Tiered Permit Applications to Hazardous Waste Treatment Units”.
- The DTSC authorized the conditionally exempt treatment units on March 2, 1994.
- A SCE letter dated October 10, 1997, entitled "Cancellation of Conditional Exemption Permit, Southern California Edison Company, Etiwanda Generating Station” indicated that the container crushing unit had been removed from the facility.
- Hazardous Waste Generator (1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001).
- Generator – 51-100 employees (2002, 2003.)
- Hazardous Waste Generator 26-50 employees (2003, 2005, 2006, 2007, 2009, 2010, 2011, 2012).
- Super Large Quantity Generator (2013, 2014).
- Small Quantity Generator (2020).
- Hazardous Material Handler (1987, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001).
- Hazmat Handler – 51-100 employees (2002, 2003).
- HAZMAT Handler 26-50 employee (w/ Gen Prmt) (2003, 2005, 2006, 2007, 2009, 2010, 2011, 2012).
- Hazardous Materials 11-30 Chemicals (2012, 2013, 2014, 2020).
- Aboveground Storage Tank (2002, 2003, 2005, 2006, 2007).
- APSA 10,001-100,000-gallon FAC (2011, 2012, 2014).
- Risk Management Plan – Level 1 (2007, 2009, 2010, 2011, 2012, 2013).

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- CUPA Annual Admin Permit Program Fee – Level 5 (2013).
- EPCRA Facility (2005, 2006, 2007, 2009, 2010, 2011, 2012).
- CalARP Facility Permit (2003, 2005, 2006, 2007, 2009, 2010, 2011, 2012).
- CalARP State Fee (2003, 2005, 2006, 2007).
- Conditional Exemption (CE) Annual Fee (1999, 2001, 2002).
- Underground Storage Tank State Fee (1991, 1996, 1997, 1999).
- State Mandated Facility Service Fee (1999, 2000, 2001).
- Underground Storage Tanks (1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000).
- A Hazardous Materials Field Services Computer Data Base Update Authorization form, received February 24, 2000, requested that two permits be inactivated, and a note indicated that one tank was removed on January 13, 2000.
- A permit application from March 15, 1984, lists SCE as generating asbestos, boiler cleaning waste (sludge), oil and water, and PCBs (cleanup from infrequent leaks), and storing gasoline in a UST.
- A permit application from May 8, 1985 lists the SCE Etiwanda facility as having three USTs, and generating asbestos, boiler cleaning waste (sludge), oil and water, and PCBs (cleanup from infrequent leaks).
- A permit application from May 16, 1986 lists asbestos, boiler cleaning water, oil and water as generated at the SCE Etiwanda facility.
- A permit application dated February 19, 1993, lists 2,900 pounds mineral spirits, 225,000-pounds asbestos, 2,500-pounds oil/water, and 21,000-pounds oil-contaminated solids was as generated at the facility. Hazardous materials used at the facility were listed as sulfuric acid, sodium hydroxide, ammonium hydroxide, sodium hypochlorite, hydrazine, hydrogen, gasoline, acetylene, and deposit control polymers.
- CUPA inspections were performed March 24 and April 11, 1995. No violations were reported.

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- A computer database update form dated May 21, 1998 indicated the property owner was Mountain Vista Power, LLC. A fax from SCE indicated that the name changed.

- A Reliant Energy letter dated February26, 1999, indicated that Mountain Vista Power Generation, LLC changed its name to Reliant Energy, Incorporated.

- A Hazardous Material Field Services database authorization form dated March 15, 2001 indicated that approximately 54,000 gallons of turbine oil is stored above ground.

- A CUPA inspection performed on August 28, 2002 indicated that the facility was no longer subject to tiered permitting requirements. No violations were reported. A Hazardous Material Field Services database authorization form dated August 28, 2002, indicated that the facility was no longer subject to tiered permitting requirements.

- A Facility Information sheets from 2003 and 2009, indicated that the Etiwanda Generating Station was owned by RRI Energy, Inc. A letter from RRI Energy dated May 2, 2009 indicated that Reliant Energy changed its name to RRI Energy, Inc.

- A CUPA Inventory Summary Form dated April 28, 2000, listed acetylene, ammonium hydroxide, argon, carbon dioxide, CL-37, CL-5, Corrosion inhibitor CS, CR-3 Cleaner/degreaser, diesel oil, Fyrewash SB, gasoline, helium, hydrazine, hydrogen, H-450, nitrogen, EPA protocol mixture (nitric oxide and oxygen), oxygen, PCL-361, PCL-4025, PCLX-180, mixed oil and latex paint, potassium nitrite, potassium tetraborate, propane, sodium carbonate, sodium hydroxide, sodium hypochlorite, monosodium phosphate, disodium phosphate, trisodium phosphate, sulfuric acid, automatic transmission oil, turbine oil, urea solution, mixed gases, asbestos, cooling tower sludge, cooling tower wood, blasting grit/duct sweep, grease/fuel oil/tar, mercury debris, mercury, oily debris/soil, oil water separator sludge, used oil with solvent, paint chips containing lead, paint solids, PCB oil/debris (>2 ppm to 50 ppm PCBs), PCB oil/debris >50 ppm to 4,999 ppm PCBs).

- A CUPA Inventory Summary Form dated February 26, 2001, listed acetylene, ammonium hydroxide, argon, carbon dioxide, CL-37, CL-5, Corrosion inhibitor CS, CR-3 Cleaner/degreaser, diesel oil, Fyrewash SB, gasoline, helium, hydrazine, hydrogen, H-450, nitrogen, EPA protocol mixture (nitric oxide and oxygen), oxygen, PCL-361, PCL-4025, PCLX-180, mixed oil and latex paint, potassium nitrite, potassium tetraborate, propane, sodium carbonate, sodium hydroxide, sodium hypochlorite, monosodium phosphate, disodium phosphate, trisodium phosphate, sulfuric acid, automatic

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transmission oil, turbine oil, mixed gases, asbestos, cooling tower sludge, cooling tower wood, blasting grit/duct sweep, grease/fuel oil/tar, mercury debris, mercury, oily debris/soil, oil water separator sludge, used oil with solvent, paint chips containing lead, paint solids, PCB oil/debris (>2 ppm to 50 ppm PCBs), PCB oil/debris >50 ppm to 4,999 ppm PCBs).

- A CUPA Inventory Summary Form dated March 1, 2002, listed acetylene, ammonium hydroxide, argon, carbon dioxide, CL-37, CL-5, Corrosion inhibitor CS, CR-3 Cleaner/degreaser, diesel oil, Fyrewash SB, gasoline, helium, hydrazine, hydrogen, nitrogen, EPA protocol mixture (nitric oxide and oxygen), oxygen, PCL-361, PCL-4025, PCLX-180, mixed oil and latex paint, potassium nitrite, propane, sodium carbonate, sodium hydroxide, sodium hypochlorite, monosodium phosphate, disodium phosphate, trisodium phosphate, sulfuric acid, automatic transmission oil, turbine oil, mixed gases, asbestos, cooling tower sludge, cooling tower wood, blasting grit/duct sweep, grease/fuel oil/tar, mercury debris, mercury, oily debris/soil, oil water separator sludge, used oil with solvent, paint chips containing lead, paint solids, PCB oil/debris (>2 ppm to 50 ppm PCBs), PCB oil/debris >50 ppm to 4,999 ppm PCBs).

- A CUPA Inventory Summary Forms dated April 30, 2003 and February 26, 2004, listed acetylene, ammonia hydroxide, argon, carbon dioxide, CL-37, CL-5, LCS-20, CR-3 Cleaner/degreaser, diesel oil, Fyrewash SB, gasoline, helium, hydrazine, hydrogen, nitrogen, EPA protocol mixture (nitric oxide and oxygen), oxygen, PCL-361, PCL-4025, PCLX-180, mixed oil and latex paint, potassium nitrite, propane, sodium carbonate, sodium hydroxide, sodium hypochlorite, monosodium phosphate, disodium phosphate, trisodium phosphate, sulfuric acid, automatic transmission oil, turbine oil, ammonium hydroxide, mixed gases, asbestos, cooling tower sludge, cooling tower wood, grit/duct sweep, grease/fuel oil/tar, mercury debris, mercury, oily debris/soil, oil water separator sludge, used oil with solvent, paint chips containing lead, paint solids, PCB oil/debris (>2 ppm to 50 ppm PCBs), PCB oil/debris >50 ppm to 4,999 ppm PCBs), H550, Calcium hypochlorite, S-34 NG Ecolink cleaner/degreaser, and peak antifreeze.

- A CUPA Inventory Summary Forms dated February 28, 2005 and February 17, 2006, listed acetylene, ammonia hydroxide, argon, carbon dioxide, CL-37/Polydimethylsioxane emulsion, CL-5, Corrosion inhibitor CS, diesel oil, gasoline, Ecolink S-34, helium, hydrazine, hydrogen, H-450, nitrogen, EPA protocol mixture (nitric oxide or nitrogen and oxygen), oxygen, PCL-361, PCL-4025, PCLX-180, miscellaneous oil and latex base paint and paint thinner, potassium nitrite, propane, sodium carbonate, sodium hydroxide,

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sodium hypochlorite, monosodium phosphate, disodium phosphate, trisodium phosphate, sulfuric acid, Unocal turbine oil, mixed gases, asbestos, cooling tower sludge, cooling tower wood, grit/duct sweep, grease/fuel oil/tar, mercury debris, mercury, oily debris, oil water separator sludge, used oil with solvent, paint chips containing lead, paint solids, PCB oil/debris (>2 ppm to 50 ppm PCBs), PCB oil/debris >50 ppm to 4,999 ppm PCBs).

- A CUPA Inventory Summary Form dated February 20, 2007, listed acetylene, ammonia hydroxide, argon, carbon dioxide, CL-37/Polydimethylsioxane emulsion, CL-5, Corrosion inhibitor CS, diesel oil, gasoline, Ecolink S-34, helium, hydrazine, hydrogen, H-450, nitrogen, EPA protocol mixture (nitric oxide or nitrogen and oxygen), oxygen, PCL-361, PCL-4025, PCLX-180, miscellaneous oil and latex base paint and paint thinner, potassium nitrite, propane, sodium carbonate, sodium hydroxide, sodium hypochlorite, monosodium phosphate, disodium phosphate, trisodium phosphate, sulfuric acid, Unocal turbine oil, mixed gases, sodium nitrite, chlorine tablets, Nalco Dynacool, Nalco 73202, Nalco 73199, Nalco 7468, Nalco 8338, Nalco 8322, Nalco 7330, dielectric oil, Ryd Lyme, asbestos, cooling tower sludge, cooling tower wood, grit/duct sweep, grease/fuel oil/tar, mercury debris, mercury, oily debris, oil water separator sludge, used oil with solvent, paint chips containing lead, paint solids, PCB oil/debris (>2 ppm to 50 ppm PCBs), PCB oil/debris >50 ppm to 4,999 ppm PCBs), waste oil, waste aerosol container, universal waste, waste sandblast grit, Nalco Trasar, and lead acid batteries.

- A CUPA Inventory Summary Form dated February 14, 2008, listed acetylene, ammonia hydroxide, argon, carbon dioxide, CL-37/Polydimethylsioxane emulsion, CL-5, Corrosion inhibitor CS, diesel oil, gasoline, Ecolink S-34, helium, hydrazine, hydrogen, H-450, nitrogen, EPA protocol mixture (nitric oxide or nitrogen and oxygen), oxygen, PCL-361, PCL-4025, PCLX-180, propane, sodium carbonate, sodium hydroxide, sodium hypochlorite, monosodium phosphate, disodium phosphate, trisodium phosphate, sulfuric acid, Unocal turbine oil, mixed gases, sodium nitrite, chlorine tablets, Nalco Dynacool, Nalco 73202, Nalco 73199, Nalco 7468, Nalco 8338, Nalco 8322, Nalco 7330, dielectric oil, Ryd Lyme, asbestos, cooling tower sludge, cooling tower wood, grit/duct sweep, grease/fuel oil/tar, mercury debris, mercury, oily debris, oil water separator sludge, used oil with solvent, paint chips containing lead, paint solids, PCB oil/debris (>2 ppm to 50 ppm PCBs), PCB oil/debris >50 ppm to 4,999 ppm PCBs), waste oil, waste aerosol container, universal waste, waste sandblast grit, Nalco Trasar, and lead acid batteries.

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- A CUPA inspection performed on June 25, 2008 identified violations for unlabeled or incompletely labeled hazardous waste containers, unclosed hazardous waste containers, containers must be moved hazardous waste storage area, and RMP must be updated.

- Aboveground Storage Tank Facility Statement stamped November 17, 2008, listed 66 ASTs at the facility. AST capacity ranged from 175 gallons to 19,800 gallons. Gasoline (one 250-gallon AST), lube oil (20 ASTs), lube oil/water (one 250-gallon AST), waste oil (one 2,750-gallon AST), and dielectric oil (45 ASTs).

- A CUPA Inventory Summary Form dated February 25, 2009, listed acetylene, ammonia hydroxide, argon, carbon dioxide, diesel oil, Ecolink S-34, gasoline, helium, hydrazine, hydrogen, nitrogen, EPA protocol mixture (nitric oxide or nitrogen and oxygen), oxygen, PCLX-180, propane, sodium carbonate, sodium hydroxide, sodium hypochlorite, trisodium phosphate, sulfuric acid, Shell turbine oil, mixed gases, sodium nitrite, sulfuric acid, chlorine tablets, Nalco Dynacool, Nalco 73202, Nalco 7468, Nalco 8338, Nalco 8322, Nalco 7330, dielectric oil, Ryd Lyme (hydrogen chloride), asbestos, cooling tower sludge, cooling tower wood, grit/duct sweep, grease/fuel oil/tar, mercury debris, mercury, oily debris, oil water separator sludge, used oil with solvent, paint chips containing lead, paint solids, PCB oil/debris (>2 ppm to 50 ppm PCBs), PCB oil/debris >50 ppm to 4,999 ppm PCBs), waste oil, waste aerosol container, universal waste, waste sandblast grit, Nalco Trasar.

- A letter from RRI Energy, dated May 5, 2010, regarding “Permits PT0013929, PT0013930, PT0013931, PT0002263, PT0002264, PT0002265 and FA0002943; Subsidiary Consolidation”. This letter indicated that the Etiwanda Generating Station was owned by RRI Energy Etiwanda, Inc, a subsidiary of RRI Energy California.

- A CUPA Inventory Summary Form dated February 25, 2010, listed acetylene, ammonia hydroxide, argon, carbon dioxide, diesel oil, Simple Green, gasoline, helium, hydrazine, hydrogen, nitrogen, EPA protocol mixture (nitric oxide or nitrogen and oxygen), oxygen, propane, sodium carbonate, sodium hydroxide, sodium hypochlorite, trisodium phosphate, sulfuric acid, Shell turbine oil, mineral oil, lead acid batteries, calcium hypochlorite tablets (chlorine tablets), Nalco Dynacool, Nalco 7468, Nalco 8338, Nalco 8322, Nalco 7330, sodium bisulfate, Ryd Lyme (hydrogen chloride), asbestos, cooling tower sludge, cooling tower wood, grit/duct sweep, grease/fuel oil/tar, mercury debris, mercury, oily debris, oil water separator sludge, used oil with solvent, paint chips containing lead, paint solids, PCB oil/debris (>2 ppm to 50 ppm PCBs), PCB oil/debris >50

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ppm to 4,999 ppm PCBs), universal waste, waste sandblast grit, Nalco Trasar. Also listed were lab chemicals with maximum volumes up to 6 liters and 2 pounds.

- A Facility Information sheets from 2010 and 2011, indicated that the Etiwanda Generating Station was owned by Genon West, LP. A letter from GenON dated January 22, 2011 indicated that Reliant Energy, Inc. merged with Mirant Corporation to form GenOn Energy in 2010.

- A CUPA inspection performed on June 29, 2011 identified that the Etiwanda Generating station stores 500-800 pounds of hydrazine to remove oxygen from the boiler water, and 30,000 pounds of 19% aqueous ammonia. A newly installed 570-gallon diesel AST was identified for a new fire pump house. Other listed waste included 55-gallon drums of hydraulic oil, lead paint debris, oily waste debris, and used oil in the hazardous waste storage area; an 85-gallon used oil spill containment unit and drums of oily debris, waste oil and spent aerosol cans in the Unit 4 area; drums of waste oil, oily debris, spent aerosol cans, and buckets of fluorescent lights and mercury switches in the maintenance building; and a 1900-gallon waste oil containers in Area I. Violations were identified for the facility including that the 85-gallon used oil container being used to collect used oil was not drained daily; hazardous waste labels were incorrect; a release of ammonia was not reported; the RMP needed to be updated.

- Genon letter dated August 31, 2011, was regarding the eight violations for the Etiwanda Generating Station. One of the violations was regarding a release of 15 gallons of aqueous ammonia. The letter indicated that this release was not reported as GenOn did not think it posed an imminent threat and was less than the 100-pound reportable quantity for ammonia. The release occurred during transfer from the delivery truck and spilled onto a paved containment area beneath the truck. The spill was diluted and then washed into the retention basin. The other violations were corrected. A certificate of compliance was issued by SBC on September 1, 2011.

- A letter from NRG, dated June 26, 2013, regarding “Permits PT0013929, PT0013930, PT0013931, PT0002263, PT0002264, PT0002265 and FA0002943; Facility Owner Name Change”. This letter indicated that GenOn West, LP changed its name to NRG California South LP on May 28, 2013.

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- A CUPA inspection was performed on October 21, 2014 indicated that the facility was a power generating station with five generating units, three of which were reported to have been decommissioned. No violations were identified.

- A Facility Information sheets from 2014 through 2018, indicated that the Etiwanda Generating Station was owned by NRG California South LP.

- A CUPA inspection performed on October 13, 2017 indicated that the facility was a power generating plant that maintained two 10,000-gallon aqueous ammonia tanks. The facility was listed as having a maintenance shop, weld shop, instrument shop, electric shop, battery backup power supply, reverse osmosis and pH water treatment system. No violations were observed at the time of the inspection.

- A Facility Information sheet last updated December 14, 2018, indicated that the Etiwanda Generating Station was owned by NRG California South LP and a large quantity generator permit was listed as active.

- A CUPA inspection performed on January 10, 2019 indicated that the facility was a power generating plant that was being closed. Lead acid batteries and transformer oil were present at the facility. No violations were observed at the time of the inspection.

- A Facility Information sheet submitted December 1, 2021, indicated that the Etiwanda Generating Station was owned by BTC II Etiwanda Commerce Center LP and the small quantity generator permit was listed as inactive.

- A CUPA inspection performed on December 1, 2021 indicated that the facility was a decommissioned power plant. Hazardous waste was being generated from equipment removal. CUPA permits were listed as current. No violations were observed at the time of the inspection.

- A Facility Information sheet submitted April 25, 2023, indicated that the Etiwanda Generating Station was owned by BTC II Etiwanda Commerce Center LP and the Hazardous Materials 11-30 permit and RCRA LQG permit were listed as inactive. Comments indicated that facility was vacated, and the final manifests had been received.

- A California Accidental Release Prevention (CalARP) Program De-Registration form dated August 21, 2018, indicated that aqueous ammonia was removed from the facility as part of decommissioning activities.

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Permits to remove/install/modify USTs

- A UST permit application indicated that a 550-gallon kerosene UST was installed by SCE in 1952. A UST permit application indicated that a 120-gallon naphtha product UST was also installed in 1952. An asbestos felt was used as part of the containment.

- A permit to remove three USTs containing gasoline, kerosene solvent, and naptha was issued on January 7, 1986. The owner was listed as SCE. The USTs were removed February 21, 1986. The job card indicated “N/A” under the soil sample check box area.

- A permit to install one UST was dated January 7, 1986. The owner was listed as SCE. A UST permit application dated April 2, 1986 indicated that a 550-gallon unleaded gasoline UST was installed. Another permit application dated October 3, 1994, indicated that the 550-gallon UST had been installed April 21, 1986.

- A 548-gallon gasoline UST was reported as installed in April 21, 1986 on a Leak Monitoring form. A permit application reported that a 528-gallon UST was installed in 1985.

- A SCE letter dated December 11, 1985, subject “Etiwanda Generating Station – Remedial Action Report” summarized investigation and tank integrity test activities that were performed in preparation of removing the kerosene and naptha USTs and replacing the gasoline UST. The investigation was performed by Dale Hinkle, whose report was attached. USTs were described as 550-gallon gasoline UST, 550-gallon kerosene UST, and a 120-gallon naptha UST. Five bores were advanced around the USTs and samples were collected up to 40 feet bgs. TPH concentrations were present in four of the five soil bores, with the maximum concentration reported to be 11 ppm present in the 10-foot soil sample of bore SB2.

- A SBC Environmental Health Services letter dated December 27, 1985, subject “Site Investigation at the Etiwanda Generating Station, 8996 Etiwanda Avenue, Etiwanda, CA" indicated that the levels of contamination did not present a threat. The letter also indicated that SCE intended to close the kerosene and naptha USTs and replace the gasoline UST.

- A permit to remove one UST was issued on January 3, 2000. An application to remove an 8,000-gallon UST was dated January 3, 2000. A job card for removal of a UST was dated January 13, 2000.

Selective Catalytic Reduction (SCR) Proposal

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- Entrix, Inc, 2001, Mitigated Negative Declaration, Reliant Energy Etiwanda Generating Station Selective Catalytic Reduction (SCR) Installation Project, February. Pursuant to the SCAQMD RECLAIM Program goals of reducing nitrogen oxide emission, Reliant Energy proposed to install SCR in two of their existing boiler units (Units 3 & 4). The SCR system uses ammonia to combine with oxygen and make nitrogen molecules and water vapor. Two 10,000-gallon ASTs containing 19 percent concentration of aqueous ammonia were proposed to replace two urea ASTs.

- A SBCHMD letter dated February 21, 2001 indicated that a conditional site-specific exemption from the RMP requirement was issued for the two 10,000-gallon ammonia tanks for the SCR system.

- A SCAQMD letter to the SBCHMD dated February 22, 2001, entitled “Proposed Reliant Energy Etiwanda Generating Station SCR Installation Project (SCH 20010211027)” indicated that a CEQA document was required before issuance of AQMD’s air quality permits and a Draft Mitigated Negative Declaration (MND), had been released February 6, 2001 for a 20-day public review with a comment period ending February 26, 2001.

- A Negative Declaration for the Reliant Energy SCR Installation Project was dated September 20, 2002, and a draft was dated August 2002.

- A Drawing Register dated October 8, 2002 depicts the mechanical, civil/structural, electrical, and instrumentation at the Subject Property

- A SBC Fire Department Letter dated October 29, 2002, subject “Notice to Comply – Risk Management Plan”, indicated that ammonia was a regulated substance and a RMP was required.

- URS Corporation Americas, 2002, Reliant Energy, NOx Reduction Project, Etiwanda Units 1 & 2, Construction Specifications, October. This document was for a construction scope to retrofit Units 1 and 2 with SCR systems.

- Sage Environmental Consulting, L.P., 2009, Program 1 Risk Management Plan for Compliance Year 2009, Etiwanda Generating Station, Facility IDFA0002943, dated August - This report was a risk management plan for operation of the selective catalytic reduction ammonia storage and handling system, which was identified as the only process that triggered the CalARP requirements and Prevention Program I State requirements. Another Risk Management Plan was prepared in 2014.

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Hazardous Material Incident and/or Complaint Response Activity

SCE

- A SCE Letter dated July 20, 1995, reported a release of non-PCB mineral oil occurred on July 14, 1995 at the Etiwanda Generating facility. The mineral oil was spilled when a 5,000-gallon tank was overfilled, resulting in approximately 45 gallons of oil to be spilled onto the asphalt and flow into a dirt area. Absorbent was used to clean up the spill, and an area of approximately 12 feet by 20 feet of soil was excavated to approximately 3 to 6 inches. Impacted soil was indicated to have been sent to be re-used in asphalt.

Etiwanda Generating Station

- The release of approximately 42-gallons of lube oil was recorded as incident CO0032644 on June 16, 2016. The facility release report states that the release occurred when a pressure gauge ruptured, ad lube oil was released to a containment area. The release was cleaned up by a contractor.

- The release of approximately less than 3-gallons of sodium hypochlorite was recorded as incident CO0031131 on July 25, 2014. The facility report states that the soil contaminated by the release was excavated, stored in a drum, and disposed.

- A cement/hazardous waste release to a stream occurred from Ameron Arrow Plant was recorded as incident CO0029229 on April 5, 2012. A description of the incident indicates that a GenOn Energy staff observed a white substance in the Chadwick Chanel, flowing under the railroad, from the property to the north, onto the GenOn Energy facility. A white crystal substance was observed approximately 100-yards down the Chadwick Channel. The pH level of the released water was reported to be 12.2 to 12.6. The source appeared to be from Ameron Concrete Plant. California Fish and Game and the SARWQCB were reported to respond to the incident. Ameron fixed the pipe which was the source of the release. Soil and water samples were collected, and metal concentrations and pH were reported to be below hazardous waste levels. Remediated soil was kept on-site at Ameron and the case was closed. A 1Stop Environmental Compliance letter dated April 20, 2012, subject “Agency Written Notification File #12-2072 Regarding “Cure yard Water” threaten release from Stormwater Filter unit #1 at the NOV-Ameron Water Transmission Group Concrete and Steel water Pipe Facility Located at 12455 Arrow Route, Etiwanda, California 91739” summarized the incident on behalf of Ameron. The letter indicated that Ameron stopped the source of the flow from stormwater filter #1 and stopped the water

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spraying in the Cure Yard. A vacuum truck and portable AST were mobilized to contain the released cure water on the GenOn property. Asphalt and concrete areas were pressure washed. Liquids and soil from the stormwater channel were removed. Six roll-off bins of soil and a 15,000-gallon AST of water were removed to the Ameron facility. The water would be recycled in the cure yard.

- A release of 50-gallons of mineral oil was recorded as incident CO0025739 on March 10, 2008. The response report indicated that no PCBs were in the oil and that the spill occurred into a concrete containment structure. Spill was remediated.

- A release of 20-40-gallons of non-PCB mineral oil was recorded as incident CO0035782 on July 24, 2021. The facility release report indicated that a forklift had punctured a transformer causing a release of non-PCB oil. The impacted soil was excavated.

Genonwest, LP

- A release of 150-gallons of cooling water (reclaimed water with well mixture) was recorded as incident CO0028479 on May 9, 2011.

RRI Energy Etiwanda

- A Reliant Energy Etiwanda Letter, dated June 12, 2001, subject “Reliant Energy Etiwanda L.L.C., Cooling Tower Water Spill”, indicated that 10,000-gallons of cooling water spilled into the Chadwick Channel from Cooling Tower Number 4 due to a failure of the high-level alarm. The letter indicated that the cooling water contained trace sodium hypochlorite, sulfuric acid and two Calgon chemicals at concentrations that did not exceed discharge limits. The letter indicated samples of the spill and soil samples from the Chadwick Channel were collected. The letter conveyed the laboratory reports and a summary of the response actions.

- A release of 35-gallons of oil was recorded as incident CO0027236 on March 3, 2010. The release occurred from a broken oil line on a piece of equipment. RRI contracted MP Environmental to perform cleanup of oil spill. The release was reported to have migrated onto the adjoining SA Recycling property.

- A RRI Energy letter to the SBC Fire Department, indicated that a citizen complaint was made on March 3, 2010 by SA Recycling regarding a discharge from the station. Cooling

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water containing approximately 10 gallons of oil had been released from cracked tubes carried over to the SA Recycling property by wind.

Reliant Energy

- A release of 5,000-gallons of cooling tower water was recorded as incident CO0002935 (HMMR number 2002071501RB) on July 15, 2002. The response report indicated that a valve had been stuck open resulting in water over-flowing into Chadwick Channel. A vacuum truck removed any puddles and a sample was taken from the discharge.

- A release of 1,000-gallons of cooling water with chlorine was recorded as incident CO0002860 (Hazardous Materials Management Report [HMMR] number 2002021101SN) on February 9, 2002. The response report indicated that the release was caused due to wind damage to the cooling tower. The released water flowed to a drain and then the control channel.

- A release of 80-gallons of cooling tower water was recorded as incident CO0002554 (HMMR Number 2001091301BO) on September 13, 2001. The response report indicated that the accidental released occurred while a contractor was flushing the fire hydrant lines and did not realize that the lines were connected to the cooling tower. The water was reported to have made it to the retention basin.

- A release of 100-gallons of cooling tower water was recorded as incident CO0002525 (HMMR number 2001082801RB) on August 28, 2001. The response report indicated that algae had plugged a hole on spray unit resulting in discharge of cooling water with trace amounts of chlorine, acid, and phosphates into Chadwick Channel. Puddles of cooling water were removed using a vacuum truck. Water was identified as non-hazardous.

- A release of 150-gallons of coolant tower water was recorded as incident CO0002430 (HMMR number 2001071601) on July 16, 2001. The response report indicated that the cooling tower water was released to a containment area.

- A release of 20-gallons of cooling tower water was recorded as incident CO0002320 (HMMR number 2001052101SN) on May 21, 2001. The response report indicated that a cooling tower had overflowed and cooling water mixed with sulfuric acid was released into a dry creek bed.

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- A release of 100-gallons of cooling tower water was recorded as incident CO0002773 (HMMR number 20011701SN) on January 17, 2001. The response report indicated that a contractor was called to perform clean up.

Reliant Generator Station

- The release of 500-gallons of process tower water was recorded as incident CO0003575 (HMMR number 99070101SN) on June 30, 1999. The response report indicated that a release of raw well water released occurred due to system malfunction. A vacuum truck was used for cleanup.

Site Remediation

Chadwick Channel Release Investigation – 1985 -1986

R.M Goodman, Southern California Edison Company Environmental Operations, prepared an *Etiwanda Generating Station, Site Characterization Study, Preliminary Report*, dated July 5, 1985. This report indicated that the Etiwanda Generating Station began operations as a fossil fueled electrical generating station in 1953 when generating equipment Units 1 and 2 were constructed. A stormwater channel was identified as crossing the facility and providing stormwater drainage for the industrial facilities in the vicinity. A release of approximately 10,000-galons of oil/water occurred on March 13, 1985, from the TAMCO facility, which was identified as located north of the Etiwanda Generating Station. This release flowed through the drainage channel onto the Etiwanda Generating station property. TAMCO and SCE performed cleanup activities under the oversight of the SARWQCB. Initial findings indicated that the contaminated soil appeared to extend deeper than expected from the recent release. This report documents the investigation of the extent of impacted soil along the drainage channel. Soil bores were advanced at approximately 300-foot intervals down the approximate centerline of the channel, and soil bores were advanced along each side of the channel at approximately 10-foot interval. In total 20 bores were advanced along the channel to 4 to 5 feet bgs. Thirty-four (34) soil bores were advanced in the spreading basin (located southwest of the Subject Property) to depths up to 8 to 10 feet bgs. Samples were analyzed for TPH, and select samples were analyzed for metals. Six soil samples and one liquid sample of the spill material were collected. Groundwater samples were collected from the TAMCO well and two SCE wells. Sixteen potholes were excavated to estimate the extent of contamination, and samples were collected from three depths from these potholes. A sample from the Etiwanda Generating station fuel oil ASTs and samples from two bores advanced between the ASTs and the channel were also tested for TPH, and samples from Tamco's oil water

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separator, cooling tower basin, and drainage ditch were tested for TPH. The sampling locations were shown on the attached figures. Analytical results were indicated to be reported in a separate report.

Environmental Operations Southern California Edison Company prepared an *Etiwanda Generating Station Site Characterization Study* dated July 1986. This report summarizes the findings of the site characterization study performed to assess the contamination present in the drainage channel and settling basin. This investigation was performed after approximately 10,000-gallons of oil/water was spilled at the TAMCO facility and flowed into the drainage channel and onto the Etiwanda Generating Station. Sixteen backhoe trenches and 57 soil bores were advanced, sampled, and analyzed to delineate the contamination of total petroleum hydrocarbons in soil in the drainage channel and settling basin. Sample analytical results indicated that soil samples from the channel and basin contained petroleum hydrocarbon concentrations and metal concentrations higher than background levels. With the exception of lead, metals were reported to not exceed their STLC limits for hazardous waste. The contamination was reported to be generally present within the upper five feet of the surface, with some localized areas in the basin where it extended to 10 feet and 14 feet. Layered oily deposits were observed and the report concluded that these layers indicated that multiple historical releases had occurred. The report indicates that according to historical records, multiple releases have occurred from the TAMCO property (and it's predecessor), however, the drainage channel transports stormwater from multiple upgradient sources which also may have been sources for the petroleum impact to the drainage channel. Comparison of the petroleum hydrocarbon impacted soil results with the potential sources onsite, and the TAMCO creek outlet indicates that the TAMCO is the likely source of the contamination. The groundwater samples collected from the Etiwanda Generating Station wells and the TAMCO well showed no impact, and the depth to groundwater was reported to be greater than 300 feet.

A SQRWQCB letter dated July 22, 1987, with Subject "Remedial Action At Etiwanda Generating Station", indicated that the Site Characterization Study assessed the extent of the contamination in the drainage channel soil and water quality has not been affected or threatened. The letter indicated no further action was required.

Facility Closure

ERM-West, Inc, 2018, Closure Report for the GenOn Etiwanda Generating Station, 8996 Etiwanda Avenue, Rancho Cucamonga, California, December – This report was for CUPA closure of selected ASTs and other items at the facility. The Etiwanda Generating Station ceased

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operations on June 28, 2018. The background information for the facility reported that steam Units 1 and 2 operated from 1953 to 2003; steam Units 3 and 4 operated from 1963 through 2018; and Unit 5 operated from 1968 through 2003. Oil was drained from Units 1, 2, and 5 in 2003. The ASTs and equipment associated with Units 3 and 4 were drained, cleaned, and certified as part of the closure activities in 2018. Acids and bases, ammonia, oils and lubricants, and petroleum distillates were reported to have been stored and used at the facility. This reported documented the draining, cleaning, and removal of the AST/equipment contents and/or rinsate (as applicable). Equipment listed as pressure washed and cleaned in this report included the distillate AST; distillate pump and pump reservoir; pond oil skimmer basin; waste oil skimmer tanks; pump reservoir tank; emergency fire pump diesel tank; Unit 1 lube oil and bowser tanks; Unit 2 lube oil and bowser tanks; Unit 2, Center East, Center West, and West lube oil storage tanks; Units 3 and 4 sump junction box; Unit 3 lube oil tank; Unit 4 lube oil tank; Unit 3 start up boiler feed pump; Unit 4 start up boiler feed pump; Unit 3 seal oil vacuum tanks, Unit 4 seal oil vacuum tanks; Unit 3 boiler circulation pump reservoir; Unit 3 Main boiler feed pump oil recovery tank; Unit 4 Boiler circulation Pump reservoir; Unit 4 main Boiler feed Pump Oil Recovery tank; Unit 4 Oil-water separator; Unit 5 oil filter tank; Unit 5 hydraulic reservoir; Unit 5 lube oil tank; Unit 5 Oil filter tank. Transformer equipment was also drained in 2018 and the oil disposed of off site. Other equipment containing less than 55-gallons of oil was also drained and the waste oil transferred to drums which were transported off site for disposal. The retention basins (South and North Retention Basins, and RO Basin) were reported to have been drained, scraped and pressure washed. The following chemical ASTs were also cleaned and decommissioned: Unit 1 and 2 chemical storage building ASTs and associated pipes (hydrazine tank, phosphate tank, ammonia tank, caustic tank, phosphate mixing tank); Units 3 and 4 10,000-gallon ammonia tanks; Unit 3 and 4 caustic tank s (contained Trasar 2D134 and Trasar 3DT199); Unit 3 and 4 sulfuric acid tank, Units 3 and 4 Bearing Cooling Water Chemical Feed Tank; Unit 3 and 4 caustic tanks; Units 3 and 4 phosphate tank, Units 3 and 4 East and west ammonia day tanks; Units 3 and 4 East and west Hydrazine day tanks; Unit 1 ammonia and hydrazine flash mixing tank; Unit 1 and 2 Urea tank; Units 1 and 2 Caustic mixing (sodium hydroxide) tank; Units 3 and 4 Anodamine tanks; and Units 3 and 4 portable chlorine tanks.

4.3.7 City of Rancho Cucamonga Fire Department

Kleinfelder submitted requests for records to the City of Rancho Cucamonga Public Records Request Center Online system on September 6 and September 13, 2023 for environmental, hazardous material, or storage tank records for the Subject Property addresses. Responses were

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received on September 13 and September 18, 2023, indicating that copies of requested records have been uploaded to the Records Request Center. The following records were available:

- Etiwanda Generating Station Memorandum, Subject: Hazardous Materials, dated April 30, 1984. This memorandum lists the following hazardous materials used at the Etiwanda Generating Station: acetone, distillate fuel (JP-5), gasoline (UST), kerosene (UST), fuel oil (bulk storage tank), paint thinner, Lacquer thinner, methyl alcohol, Bola degreaser, Clean a part degreaser, lubricating oil, acetylene, various compressed gases, aqua ammonia, calcium hypochlorite, disodium phosphate, hydrazine, mercury, mercury alcohol, sodium bicarbonate, sodium chromate, trisodium phosphate, ethyl combustion improver, and sulfuric acid.

- A Foothill Fire District permit application dated February 12, 1986, was for the removal of a gasoline tank, solvent tank, and naptha tank, and installation of a 548-gallon gasoline tank.

- A Foothill Fire District permit was issued January 21, 1986 for the installation of one 548-gallon UST. The date was illegible. An attached letter from the San Bernardino County Environmental Health Services, dated January 21, 1986, subject “Underground Tank Installation at 8996 Etiwanda Avenue, Etiwanda, Ca” indicated that the UST installation was conditionally approved.

- Two undated Foothill Fire District permit applications: one for 2,000 pounds of hydrogen gas and one for 300,000 gallons of JP5 in an AST. An attached figure showed the 300,000-gallon AST in the southeast corner of the facility and the 2,000 pounds of hydrogen gas southwest of Unit 2.

- Marsh & McLennan, M&M Protection Consultants prepared a Special Report dated October 15, 1993. This report evaluated hazards and fire protection equipment associated with storage and use of No.6 fuel oil, cutter stock oil, and distillate oil at the SCE Etiwanda Generating Station. The report indicates that the tank farm, located in the southwest portion of the facility, contains four empty 5,523,000-gallon ASTs, and two 13,944,000-gallon fuel oil ASTs. East of these ASTs are a 1,152,480-gallon and a 649,110-gallon cutter stock ASTs. The ASTs were reported to sit on metal plates on sand and gravel foundations. The 904,260-gallon distillate AST was reported to be located on the east side of the facility, south of the Peaker unit. Dikes constructed of gunite over earth were reported to be present around the ASTs such that they would contain 110% of the contents

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of the ASTs. A sump was reported to be present at the low points in the tank basins. The sumps were reported to be pumped to a water treatment facility. Attached to this report was a spill response plan.

- A Rancho Cucamonga Fire Protection District “Application for Alternate Method” dated August 16, 1999 proposed to install a new 250-gallon AST as a replacement for the UST used for fueling company equipment. The proposed location of the tank was shown to be south of the guard shack and entrance into the facility.

- A Rancho Cucamonga Fire Protection District Permit dated August 16, 1999 for installation of a 250-gallon AST.

- A Rancho Cucamonga Fire Protection District Permit dated November 15, 1999 was for removal of a UST and associated piping from SCE 8996 Etiwanda.

- A Rancho Cucamonga Fire District UST abandonment checklist and information notice dated August 16, 1999 states that tanks will be hauled as hazardous waste.

- A Rancho Cucamonga Fire District Construction Inspection Report dated January 13, 2000 was for removal of a 500-gallon gasoline UST. No compliance issues were noted, and a closure report was required.

- A URS document, entitled “Reliant Energy NOx Control Project Phase I Preliminary Engineering Process Description” described a proposed Selective Catalytic reactor system for Etiwanda Units 1 and 2. This system was reported to use aqueous ammonia as a reagent and would require a 12,500-gallon capacity AST to supply the Units.

- Plans and a permit for the removal of four AST and associated piping/fillings were approved February 3, 2000. Plan documents included in the AST removal permit application, an MSDS sheet for tank contents, and a detailed site plan. The site plan showed the four ASTs located on the property southwest adjoining the Subject Property. The plans indicated that the fuel oil would be removed, and the ASTs cleaned prior to removal. After the ASTs are verified to be clean, they will be cut up using hydraulic shears. Notes on the permit application indicated that the fuel oil ASTs were formerly used for emergency back-up power. The ASTs were identified as South East (13,294,270 gallons), South West (13,312,194 gallons), East Center (5,368,910 gallons), and West Center (5,369,448 gallons). A permit (2000-567142) issued January 11, 2000, for trench/excavation was attached to the AST demolition plans.

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- A Rancho Cucamonga fire inspection notice dated May 12, 2000 documented approval to proceed with demolition of the two northern tanks.

- A SCE letter dated August 19, 2002, entitled “Information Regarding Tank Decommissioning, EPTC – Etiwanda Tank Farm, Southern California Edison Company”, conveyed that SCE removed four oil ASTs and associated equipment in 2001. The letter indicated that the former AST locations were graded and that the SARWQCB provided oversight. Attached to the letter were correspondence from SCE to the Santa Ana Regional Board, the verification sampling report, a no further action determination letter, and correspondence regarding the NPDES permit.

    - Engineering & Technical Services of Southern California Edison, 2001, *Final Remediation Report, Station Fuel Oil Facilities, Etiwanda Tank Farm Decomissioning*, March. - The report documented the collection of soil samples collected from the AST footprints after their removal, from locations within the tank basins that appeared impacted, from beneath the associated pipelines, and from excavations after impacted soil was removed. Soil containing petroleum hydrocarbon concentrations exceeding the Water Board criteria for TPH-diesel of 100 mg/kg were removed.

    - A certificate of recycling from Glen Helen Soil Recycling Facility, devore, California, indicated 2,518.38 tons of soil was accepted on May 31, June 31, and August 7, 2000.

    - A No Further Action letter from the Regional Board was issued on May 25, 2001.

    - A SARWQCB letter dated July 25, 2001, titled “Termination of Coverage Under the General NPDES Permit to Discharge Stormwater” documented closure of the stormwater permit associated with construction activity. This report was also summarized in Section 4.1.6.

- A Hazardous Materials and Wastes Inventory Matrix Report dated February 20, 2018 listed the following materials and wastes at the Etiwanda Generating Station: acetylene, hydrogen, liquid nitrogen, nitrogen, EPA Protocol Mixture (oxygen, hydrogen, carbon monoxide, and nitrogen), emission test gas (nitric oxide and nitrogen, or oxygen and nitrogen), oxygen, aqueous ammonia, paint and thinner waste, propane, soda ash (sodium bicarbonate), sodium hydroxide, bleach / sodium hypochlorite, trisodium phosphate, argon, sulfuric acid, turbine oil, transformer oil, mineral oil, dielectric oil, lead

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acid batteries, chlorine tablets, Nalco Dynacool 1383 Scale Inhibitor (acrylic acid and acrylamide), Nalco 3 D Trasar Cooling Water Treatment (sodium benzotriazole and sodium hydroxide), Nalco 7468 Cooling Water Defoamer (amorphous hydrated silica and benzoic acid), liquid carbon dioxide, Nalco 7330 microbiocide (5-chloro-2methyl-4-isothiazolin-3-one, magnesium nitrate, and 2-methyl-4-isothiazolin-3-one), sodium metabisulfate, Ryd lyme, Rid-Lime scale remover (hydrochloric acid), asbestos debris, cooling tower sludge, treated wood waste, boiler debris (chromium), grease, fuel oil, tar, diesel fuel, mercury debris, mercury, oily debris, oil water separator sludge, used oil with solvent, paint chip and debris, paint solids/sludge, mineral oil (containing 2 ppm to 50 ppm PCBs), universal waste, Crystal Simple Green industrial cleaner and degreaser (2-butoxy ethanol and water), spent sandblast grit containing lead, used lube oil, Nalco 2837 Molybdate corrosion inhibitor (sodium molybdate, sodium metaborate, and sodium hydroxide), gasoline, helium, and Nalco Trasar scale inhibitor.

- A Hazardous Materials and Wastes Inventory Matrix Report dated May 21, 2019 listed the following materials and wastes at the Etiwanda Generating Station: Crystal Simple Green industrial cleaner and degreaser, nitrogen (cylinder), oily debris, propane, turbine oil, bleach/sodium hypochlorite, treated wood waste, universal waste (batteries, light tubes, and electronics), oxygen, acetylene, argon, chlorine tablets, transformer oil, mineral oil, dielectric oil, lead acid batteries, gasoline, used oil, and mercury debris.

- A Rancho Cucamonga Fire Protection District Operating Permit (No. FIRE2017-00499) was issued to NRG Energy on October 12, 2017 for hot work, a stationary storage battery system, 40,200 cubic feet of compressed oxidizing gases stored at the facility, 9,000-gallons of sodium hypochlorite (NaOCl) and 17,000-gallons of aqueous ammonia, 250-gallons of Class I, 382-gallons of Class II, 144,361-gallons of Class IIIB flammable and combustible liquids, 400-pounds of sodium nitrate (NaNO3), 500-pounds of trisodium phosphate (Na3PO4), 355,074-pounds of sulfuric acid (H2SO4), and 60-pounds of mercury (Hg) hazardous materials, 50,669-cubic feet of compressed flammable gases, and 202,350-cubic feet of inert compressed gases.

- A Hazardous Materials and Waste Inventory Matrix Report dated February 28, 2022 for Etiwanda Generating Station lists the following hazardous materials and wastes: asbestos-containing material, Diesel Exhaust Fluid (DEF), oxygen, oily debris, PCB oil debris, used oil, waste PCB oil, and diesel fuel No. 2.

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4.3.8 City of Rancho Cucamonga, Building and Safety Department

Kleinfelder submitted requests for records to the City of Rancho Cucamonga City Clerk on September 6 and September 13, 2023, and received responses with links to the available records on September 13 and September 19, 2023. Copies of pertinent information are included in Appendix C. The following permits were available for the Subject Property addresses:

8996 Etiwanda Avenue

- Building permit (No. 79-2160) dated September 5, 1979, for SCE to perform approximately 1350-cubic yards of cut and fill grading. Handwritten notes state the project was finalized on January 30, 1980.
- Electric/Mechanical/Plumbing permit (No.89-14692) issued October 26, 1989 to SCE for installation of a 200-amp electrical meter.
- Building permit (No. 89-5706) for Southern California Edison company to perform an interior office remodel.
- Electric/Mechanical/Plumbing permit (No.90-9963) issued November 20, 1990 to SCE for a motor for a gate.
- Building permit (No. 99-7924) issued November 15, 1999 to SCE for a new canopy-foundation and new AGT-fueling station.
- Electric/Mechanical/Plumbing permit (No.99-7925) issued November 15, 1999 to SCE to shut off two switches and one circuit breaker, and install three motors.
- A building permit (No. BLD2000-08540) issued February 27, 2001 to Southern California Edison Company for a retrofit for an emissions reduction project.
- Electric/Mechanical/Plumbing permit (No. PMT2001-02976) issued June 11, 2001 to Reliant Energy for work on an emissions reduction unit. Handwritten notes state the permit is finalized on February 13, 2002.
- Building permit (No. PMT2005-05558) issued January 4, 2006 to Southern California Edison Company for “rough & precise grading” for approximately 2 acres of commercial/industrial property.
- Building permit (No. PMT2006-05212) issued June 25, 2007 to Southern California Edison for a rough grade cut and fill. Handwritten notes state the permit is finalized on June 10, 2008.
- Building permit (No. PMT2007-03355) issued April 21, 2008 to Southern California Edison for a septic system. Handwritten notes state the permit is finalized on May 20, 2008.

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- Building Permit (No. PMT2008-01238) issued December 1, 2008 to Southern California Edison for installation of an underground fire line lateral connection and two fire pumps. The permit was stamped as expired.
- A building permit (No. PMT2008-02700) was for a contractor Action Fire Protection to cut and cap three underground fire hydrant laterals. No issue date was listed.
- A building permit (No. PMT2009-02177) issued March 31, 2010 to a contractor named Action Fire Protection for capping off a 10-inch underground fire line supplying the “Inland Empire Water District Property”, parcel 0229-283-79, on-site fire hydrants. Handwritten notes state the permit is finalized on April 14, 2010.
- A building permit (No. PMT2010-02183) issued October 14, 2010 to RRI Energy (Etiwanda Generating St) for installation of a fire alarm monitoring system in the battery room. Handwritten notes depict the permit as finalized on 1/19/2011.
- A building permit (No. PMT2010-02236) issued December 1, 2010 to Reliant Energy for construction of a 370-square foot pump house enclosure. Handwritten notes state the permit is finalized on 5/31/2011.
- A building permit (No. PMT2010-01352) issued February 8, 2011 to RRI Energy (Etiwanda Generating Station) for the addition of platforms and gratings to provide access around heavy equipment. Handwritten notes state the permit is finalized on 6/8/2011.
- Building permit (No. PMT2011-00508) issued March 7, 2011 to a contractor named K & S Air Conditioning Inc for additional mechanical equipment, heat pump, and vent fan. A boiler/compressor and ventilation fan were listed as mechanical equipment on the permit.
- A building permit (No. PMT2011-01252) issued August 18, 2011 to Southern California Edison Company for installation of two roof mounted exhaust fans for Gen-On A stamp on the document depicts this permit as expired.
- A permit (No. PMT2011-02293) issued September 29, 2011 to RRI Energy (Etiwanda Generating ST) for installation of a fire alarm monitoring system in building 5 battery room for Gen-On Energy. Handwritten notes on the permit mark the document as finalized on 10/19/2011.
- Building permit (No. PMT2012-03561) issued December 5, 2012 to Southern California Edison Company to reroof commercial building.
- Building permits No. PMT2013-04840 and No. PMT2013-04839 were issued December 19, 2013 to Southern California Edison Company to reroof the maintenance warehouse building. Handwritten notes on the document depict the permit as finalized on 2/11/2014.

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- Building permit (No. PMT2015-00761) issued March 24, 2015 to Reliant Energy Etiwanda Inc for an EVGO electric car charging station.
- Building permit (No. PMT2015-03219) issued July 13, 2015 to Reliant Energy Etiwanda Inc for adding a pump and electrical to the existing irrigation system to convert from potable water to reclaimed water.
- Building permit (No. PMT2015-03477) was issued January 9, 2017 to Reliant Energy Etiwanda Inc. This permit description indicated the permit was for "rough grading for SCE access road for Falcon Ridge 66 kilovolt (kV) sub transmission located on Etiwanda spanning from East Avenue to Napa Street". Grading information states a quantity of "1,525" was to be cut and filled. Comments on the permit state that a plan check expired on 7/22/2016, and the applicant was notified. The permit was stamped as expired.

8998 Etiwanda Avenue

- A building permit (00-0693) issued February 9, 2000 to SCE for demolition of four fuel oil ASTs. Notes indicated permit was canceled due to contractor change. New permit (00-2900) issued April 19, 2000 for demolition of four fuel oil ASTs.
- A building permit (00-441) issued March 27, 2000 to SCE for grading after removal of ASTs. Approximately 53,400-cubic yards was reported to have been cut and filled. Notes indicated permit was canceled due to contractor change. New permit (00-2901) issued April 19, 2000 for grading of former AST area.
- A permit (PMT2007-00076) was issued January 3, 2007 to Southern California Edison Company for installation of a 400-AMP temporary power meter. This permit was stamped as expired.

Based on permit information provided by the City of Rancho Cucamonga Fire Department (Section 4.1.10), the permit for the removal of four ASTs was for property adjoining the Subject Property to the southwest. The removal of these ASTs and subsequent verification sampling were discussed in Section 4.1.6. Permits were issued to SCE from at least 1979 through 2013, to Reliant Energy from at least 2001 through 2017, and RRI Energy in 2010 and 2011. A permit lists a new AGT-fueling station was installed for SCE in 1999. This fueling station was likely associated with the ASTs. The presence of large fuel oil ASTs and a fueling station at or on the property adjoining the Subject Property represents a REC.

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4.3.9 Environmental Protection Agency

Kleinfelder submitted a Freedom of Information Act Records Request to the US EPA Public Access Portal (PAL Application-Home (epa.gov)) on October 19, 2023, Request No. 2024-NFO-02242, for environmental records for the Subject Property. A response was received on November 28, 2023 with the following information:

Roux Associates, Inc (Roux), 2022, *Self-Implementing PCB Cleanup and Disposal Notification Plan, BTC III Etiwanda Commerce Center, 8996 Etiwanda Avenue, Rancho Cucamonga, California*, August 5 - This Self-Implementing PCB Cleanup and Disposal Notification Plan (SICP) discusses remediation of PCB impacted materials at the Subject Property. As part of decommissioning of the Etiwanda Generating Station, composite samples of the concrete near the four former transformer pads were collected. PCB concentrations greater than 50 mg/kg were present in the concrete in the vicinity of Units 1 and 2 with the maximum PCB concentration of 420 mg/kg reported in composite sample Unit-2-SST_SO-W-S. A USEPA High Occupancy Cleanup Level of 1 mg/kg was identified as the cleanup goal. Additional sampling was proposed in a grid pattern. Concrete was proposed to be delineated and removed. Verification samples (either in concrete or soil) would be collected beneath the removed concrete. Removed material would be disposed of in accordance with TSCA. This report proposed scarification, chipping, hand tools, and mechanical equipment to remove the impacted concrete.

Roux letter, entitled “Characterization Sampling Plan, Etiwanda Commerce Center, 8996 Etiwanda Avenue, Rancho Cucamonga, California”, dated September 6, 2022. This letter indicated that PCB concentrations greater than 50 mg/kg were present in concrete samples collected in the vicinity of Units 1 and 2. The remedial goal was identified as the commercial DTSC of 0.58 mg/kg. This letter proposed additional sampling to delineate the PCB concentrations in concrete.

A US EPA letter signed December 15, 2022, entitled “Etiwanda Commerce Center – PCB Notification/Cleanup Plan – EPA Conditional Approval, 40 CFR 761/61(a) and (c) – PCB Site ID: CAR00038158”. This letter was in response to the submittal of a “Self-Implementing PCB Cleanup and Disposal Notification Plan, BTC III Etiwanda Commerce Center, 8996 Etiwanda Avenue, Rancho Cucamonga, California,” prepared by Roux Associates, Inc and dated August 5, 2022, revised November 28, 2022. This letter identified the former Etiwanda Generating Station as a PCB cleanup site. PCB contaminated concrete, asphalt, and soil was identified around Units 1 and 2, with PCB concentrations up to 750 mg/kg. This letter conditionally approved the 2022 PCB Cleanup Plan but noted that the plan does not cover Units 3 and 4 and that other areas may be

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impacted with PCBs (i.e. compressors). A PCB limit of 0.58 mg/kg was identified for any backfill material. Attached to this latter was the US EPA approval document outlining the investigation requirements and correspondence with the US EPA. The background information in the US EPA approval document and attached correspondence indicated that Roux withdrew the Original PCB Plan on September 6, 2022, submitted a *Self-Implementing PCB Cleanup and Disposal Notification Plan, BTC III Etiwanda Commerce Center, 8996 Etiwanda Avenue, Rancho Cucamonga California, August 5, 2022*, revised on November 28, 2022 as a new notification.

Roux Memorandum, entitled "Response to U.S. Environmental Protection Agency Conditions of Approval for Self-Implementing PCB Cleanup/Disposal Notification Plan – Etiwanda Commerce Center, 8996 Etiwanda Avenue, Rancho Cucamonga, California – PCB Site ID: CAR000038158," dated February 2, 2023. This memo responded to US EPA comments from the US EPA's December 2022 approval of the revised November 2022 plan and conveyed revised figures, tables, and equipment list. The oil-filled equipment list included the Unit 1 Station Service Transformer, Unit 1 lighting transformer, Unit 2 Station Services Transformer, Unit 3 Station Service Transformer, Unit 4 Station Service Transformer, Unit 4 cooling tower east substation transformer, Unit 4 cooling tower west substation transformer, Units 3 and 4 66-kV reserve transformer, Unit 5 station service transformer, Cooling Tower Make-up sub north transformer, Cooling Tower Make-up sub South transformer, East well water pump transformer, Center well water pump transformer, and west well water pump transformer.

BTC III Etiwanda submitted a "Revised Site Characterization Plan, BTC III Etiwanda Commerce Center, PCB Site ID: CATSCA111184/CAR000038158" dated October 10, 2023. The site characterization plan was revised pursuant to EPA comments. The final proposed decision units (DU) for the Subject Property included the following: DU-1 – northwest corner of the building slab where lube oil transfer pump, trench and unloading tank, and sump were located; DU-2- southwest portion of the building slab where hydrogen seal oil supply, main generator exciter sets, auxiliary generator exciter set, and motors were located; DU-3A/DU-3B – area west of DU-1 and DU-2 which includes the western condensate pit; DU-4 – area north of the former Unit-2SST and Unit ½-RT transformers, and area around former Unit-1-SST(s) transformer; DU-5 – the equipment pad for the former Unit-1-SST transformer; DU-6 – the area around the former Unit-1-SST transformer; DU-7A / DU-7B / DU-7C – area east of DU-8 and DU-9 which includes the eastern condensate pit; DU-8 – northeast corner of the building slab that formerly contained compressors; and DU-9 - southeast corner of the building slab that formerly contained motos and generators. The plan proposed that material with PCB concentrations less than the commercial/industrial soil screening level of 0.58 mg/kg will be crushed and re-used onsite;

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material with PCB concentrations greater than 0.58 mg/kg and less than 25 mg/kg will be crushed and used as fill material under new concrete (a protective cap); material with PCB concentrations greater than 25 mg/kg but less than 50 mg/kg will be disposed of off site as non-hazardous waste; and material with PCB concentrations greater than 50 mg/kg will be disposed of as hazardous waste at an approved PCB-disposal facility.

ELMT Consulting prepared a letter report entitled “Analysis of Impacts to Federally Listed Species Under the Federal Endangered Species Act (ESA) for the GenOn Industrial Site” dated September 7, 2022. The findings of this report indicated that the listed endangered species for the vicinity were not observed at the Subject Property and suitable habitat is not present at the Subject Property. A pre-construction bird survey was recommended.

4.4 PHYSICAL SETTING SOURCE(S)

Table 4-2 presents information concerning the physical setting of the Subject Property. This information was obtained from published maps.

Table 4-2
Physical Setting

DATA	GENERAL INFORMATION
USGS TOPOGRAPHIC QUADRANGLE	Kleinfelder’s review of the United States Geological Survey (USGS) Guasti Quadrangle 7.5-Minute Series (Topographic) Map dated 2018 indicated the elevation of the Subject Property’s ground surface is approximately 1,100 feet above mean sea level (MSL) at its southernmost section and approximately 1,130 feet above MSL along its northern boundary.
SOIL TYPE	Based on information for the Subject Property from the EDR GeoCheck Physical Setting (EDR, 2023b), soil at the Subject Property is comprised of the Tujunga soil component, a gravelly loamy sand, and the Hanford soil component, a sandy loam.
OIL AND GAS WELLS	On September 12, 2023, Kleinfelder searched CalGEM’s Well Finder website (DOC CalGEM WellFinder) for information regarding oil and gas fields located in the immediate vicinity of the Subject Property. No oil or gas wells are depicted to be on the Subject Property or on the adjoining properties. A copy of the Well Finder search results is presented in Appendix C.

Table 4-2 presents information concerning regional geology and hydrogeology. The information was obtained from published maps and other sources.

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Table 4-3
Regional Geology And Hydrogeology

PHYSICAL PARAMETER	INFORMATION/COMMENTS
REGIONAL PHYSIOGRAPHY AND GEOLOGY	The Subject Property is situated within the Chino Valley at the northern end of the Perris block along the northern boundary of the Peninsular Ranges geomorphic province of California (Norris and Webb, 1990). The Subject Property is underlain by late-Holocene age alluvial-fan deposits (Qyf1, Qf2) (Morton and Miller, 2006) estimated to be 1,000 to 1,100 feet (Fife, 1976). Fill soils, consisting of fine sands with little silt, and silty fine sands with coarse sand and fine gravel, and minor amounts of asphalt and concrete debris, are reported to be present up to approximately 1.5 to 8.5 feet bgs over the alluvial fan deposits at the Subject Property. The alluvial deposits beneath the fill soil consist of sands, silty sands, and sandy silts (Southern California Geotechnical, 2020).
REGIONAL HYDROGEOLOGY	California Department of Water Resources (CDWR's) Bulletin 118 (https://gis.water.ca.gov/app/bbat/) indicates the Subject Property is situated within northern part of the Upper Santa Ana Valley Groundwater Basin in the Chino Subbasin. The Subbasin is bounded on the north by the San Gabriel Mountains and the Cucamonga fault, on east by the Rialto-Colton fault, on the southeast by the Jurupa Mountains, on the south by the Puente Hills and the Chino fault, and on the northwest by the San Jose fault (CDWR, 2006). Groundwater is present in the alluvial deposits of the Subbasin. The Pleistocene alluvium is composed of interfingering finer, alluvial-fan deposits and coarser, fluvial deposits (CDWR, 2006).
DEPTH TO GROUNDWATER DIRECTION OF ANTICIPATED FLOW [1]	Based on review of the *Quarterly Sampling Report Third Quarter 2011, Groundwater Detection Monitoring Program, Etiwanda Generating Station, 8996 Etiwanda Avenue, Rancho Cucamonga, California* (P. Hamilton, 2011) for the Subject Property, groundwater was measured at elevations between 675.89 feet MSL to 732.07 feet MSL with a flow direction primarily toward the southwest. The higher elevation measurement was from well EW-4, which was reported to be in a separate confined aquifer.
REGIONAL GROUNDWATER QUALITY PROBLEMS	Groundwater in the Chino Subbasin is predominantly calcium-sodium bicarbonate. High concentrations of total dissolved solids (TDS) and nitrate-nitrogen were reported for the basin. TDS concentrations were reported to range between 149 to 1,710 mg/L with an average of 359 mg/L (CDWR, 2006).
WATER SUPPLY	The Subject Property was historically supplied by three groundwater wells.
FLOOD ZONE DESIGNATION	According to EDR's *The EDR Radius Map™ Report with GeoCheck®*, the Subject Property is not located within a 1-percent special hazard flood zone area or a 0.2-percent annual flood hazard zone (EDR, 2023b).

[1] Groundwater flow direction is based on regional information sources. Site-specific conditions may vary due to a variety of factors including geologic anomalies, utilities, nearby pumping wells (if present), and others.

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4.5 USER PROVIDED INFORMATION

Information regarding the current owners/occupants of the Subject Property is summarized in Table 4-4.

Table 4-4
Owner / Occupant Information

ENTITY	NAME
OWNER	According to the *EDR Environmental Lien and AUL Search* report (EDR, 2023a), the current owner of the Subject Property APN 0229-283-79-0000 as of December 29, 2020 is "BTC III Rancho Cucamonga Logistics Center LP". According to the *EDR Environmental Lien and AUL Search* report (EDR, 2024), the current owner of the Subject Property APN 0229-283-83-0000 as of October 26, 2005 is "Inland Empire Utilities Agency".
OCCUPANT(S)	The Subject Property is currently vacant.

Summaries of interviews of key individuals with knowledge of the Subject Property ("Key Site Managers") are provided in Section 7. The following sections present information provided to Kleinfelder by EDR.

4.5.1 Title Records

Chain-of-title information for the Subject Proper was not provided by the Client. Therefore, a review of a chain-of-title report was not performed as part of the scope of this Phase I ESA. Based on review of the *EDR Environmental Lien and AUL Search* reports (EDR, 2023a, 2024), APN 0229-283-79-0000 was purchased from GenOn California South LP, and APN 0229-283-83-0000 was purchased from Pacific Terminals LLC.

Kleinfelder also reviewed the owner history available for the Subject Property APNs on the San Bernardino County Assessor – Recorder – County Clerk Parcel Information Management System (San Bernardino (sbcounty.gov)). APN 0229-283-79-0000 was owned by Southern California Edison Company from January 1, 1973 to April 6, 1998, Mountain Vista Power Generation from April 7, 1998 to February 7, 1999, Reliant Energy Etiwanda LLC from February 8, 1999 to March 8, 2002, Reliant Energy Etiwanda Inc. from March 8, 2002 to October 7, 2019, and RRI Energy Etiwanda Inc on October 8, 2019. APN 0229-283-83-0000 was owned by Southern California Edison Company from January 1, 1973 to July 31, 2003, Pacific Terminals LLC from August 1, 2003 to November 17, 2005, and Inland Empire Utilities Agency from November 18, 2005 to the present.

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4.5.2 Environmental Liens and Usage Limitations

According to information provided in EDR's regulatory agency database search report (EDR, 2023b), no known recorded land-use environmental deed restrictions pertaining to the Subject Property are listed in the State Liens Database. Kleinfelder's review of EDR's *EDR Environmental Lien and AUL Search* reports (EDR, 2023a, 2024) indicated no environmental liens or activity and use limitations (AULs) are associated with the Subject Property. A copy of EDR's report is provided in Appendix C.

4.5.3 Value Reduction

As part of the ASTM Designation E1527-21 process, information is to be gathered regarding the prospective purchase price of the Subject Property relative to its fair market value. If there appears to be a value reduction, that reduction must be identified with respect to whether the difference could be attributed to environmental degradation of the property. As the Subject Property is not for sale, this is not applicable.

4.5.4 Other Information/Documents Provided

The following reports and other documents were provided to Kleinfelder:

- Path Forward Partners, Inc (Path Forward), 2020, *Phase I Environmental Site Assessment, 8996 Etiwanda Avenue, Rancho Cucamonga, California*, October 20. This Phase I ESA report was performed on APN 0229-283-79-0000 for Black Creek Industrial Acquisitions LLC. At the time of this Phase I ESA, the structures, power generating units, cooling towers, and retention basins that were formerly the Etiwanda Generating Station were still present. Path Forward indicated that SCE had constructed the generating station in 1951 and the facility had operated under different owners until 2018. Some equipment was reported to have been decommissioned in 2003 and the remaining equipment was reported to have been decommissioned in 2018. The following RECs were identified:
    - The potential site-wide impacts from historical use as a power generating station as a REC;
    - The potential for impacted soil beneath previously inaccessible areas as a REC;
    - Elevated arsenic concentrations reported by previous investigations in soil near the cooling towers, sulfuric acid storage tanks, and former water softener and brine pit as a REC;

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- A 2019 investigation performed by Ardent reported TPH-d concentrations in soil above human health screening levels in the Chadwick Channel; arsenic and lead in soil above human health screening levels near cooling tower 3; arsenic, copper, and lead in soil above human health screening levels near landfill I; thallium in soil above human health screening levels in the Unit 3 cooling tower flume; and VOC concentrations in soil gas above human health screening levels in the maintenance shop area and septic system area associated with the maintenance shop. These impacted areas are identified as a REC;

- In the 2020 approximately 6,445 tons of metal-impacted soil (described as black sand) from landfill I (identified in the 2019 Ardent investigation) was excavated; however, more black sand was observed by Path Forward in the northwest portion of the parcel (landfill II) and this was identified as a REC; and,

- Historical spills and releases were reported for the former Etiwanda Generating Station including a transformer leak in 1991 which generated 80 tons of impacted soil, a 45-gallon release of mineral oil in 1995, and oil-staining observed under the powerblock and other equipment. Sampling was also reported to not have been performed along oil pipelines conveying oil to the powerblocks. Path Forward identified the long history and documented releases as a REC.

HRECs that were identified included the following:

- Investigation, cleanup, and unrestricted use closure of the retention basins by the DTSC in 2011;

- Removal of three USTs (a 120-gallon naphtha, a 550-gallon kerosene, and 550-gallon gasoline) and issuance of a no further action letter from SB Environmental Health Services for the UST closure in 1985;

- The SARWQCB issued a no further action letter based on an April 9, 1998 Baseline Tank Study Report for the “west and east tank areas” (Path Forward indicated that this report and the exact location information was not available);

- TAMCO and Ameron (the occupants of the property north of the Etiwanda Generating Station) were identified as having releases into the Chadwick Channel. An investigation of arsenic concentrations in the Chadwick channel was performed in 1985 and no further action was issued by the SARWQCB in 1987, an additional

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investigation and excavation of arsenic and beryllium impacted soil in the vicinity of the discharge line from Unit 4 was also in performed 1997. All impacted soil was removed.

Path Forward identified former agricultural uses of the property prior to 1938, potential closed in place UST(s), and a potential UST near the carport area that was searched for in previous investigations but not found as *de minimis* conditions. A 550-gallon UST was reported to have been installed in 1986. A previous 2007 Phase I ESA indicated that a Rancho Cucamonga construction inspection document reported that a 500-gallon UST was removed in 2000. A 2019 Phase I ESA indicated that a 550-gallon UST was abandoned in place in 2000. A San Bernardino County record indicated that a 2,000-gallon UST was filled with inert material in 2000 and closed in place. In 1997 a search for a UST in the vicinity of the carport area was performed by Geraghty & Miller based on an old Edison drawing. Based on this information, Path Forward concluded that there may or may not be USTs that had been abandoned in place at the facility. Other findings included four septic tanks. A 7,000-gallon tank with five inline 3,000-gallon seepage pits was reported to be located east of the maintenance shop. This system was reported to have backed up in 1996. The floor drains and catch basins were reported to drain to the sumps and then to the retention basins. Water from the retention basins was reported to drain to the La Verne or Chino Wastewater Treatment facilities. Sheen was observed in the sumps around Units 3 and 4 during Path Forward's site reconnaissance. Stormwater was reported to drain to the Chadwick Channel which runs from the properties north of the Subject Property, through the Subject Property, into the property south of the Subject Property. Stormwater runoff was also reported to drain through a 30-inch drainage pipe which was located along the eastern end of Unit 3 and drained south where it exited the Subject Property near the former distillate AST. Oil-containing PCB concentrations greater than 50 mg/kg was reported to have been used in the transformers at the Subject Property prior to 1976. Since 1976, oil containing less than 50 mg/kg was reported to have been used. All the equipment was reported to have been drained and removed during decommissioning activities in 2018. Path Forward observed one well in the northern portion of the Subject Property and observed that the two other production wells (East Well and Central well) were located off the Subject Property. Another well (West Well) was reported to have been installed in 2006 at a location south of the reverse osmosis basin. The West Well was decommissioned in 2019.

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- ERM, 2020, Etiwanda Generating Station – Soil Removal Memorandum, September 22. – This memorandum, which documented the excavation and removal of a lead and arsenic-impacted soil from the northwest portion of the Subject Property, was included as an attachment to the Path Forward Phase I ESA. An area of approximately 190 feet by 105 feet, ranging between 2 to 8 feet deep was excavated and 87 confirmation soil samples were collected. Soil with arsenic concentrations exceeding 12 mg/kg and lead concentrations exceeding 320 mg/kg was excavated. Approximately 6,445 tons of soil waste was removed.

- A Project Site Plan by RGA Architecture, Inc in 2021 and adapted by Ascent in 2023 showed the proposed development for the Subject Property. Five single tenant warehouse buildings are proposed for the Subject Property with several new streets providing access to the proposed structures.

- Southern California Geotechnical, 2020, *Geotechnical Investigation, Proposed Commercial/Industrial Development, NWC Etiwanda Avenue and Napa Street, Rancho Cucamonga, California,* October 30. The findings summarized in this report indicate that fill material was present extending to depths up to 8.5 feet bgs. Remedial grading was recommended to be performed to remove the existing undocumented fill soils, over excavate the proposed building area by at least five-feet below existing grade and extend the over excavation to a depth of at least two feet below foundation bearing grade within the foundation influence zones. The report indicated that additional over excavation may be required in areas with loose or unsuitable soils. Fill materials were indicated to be re-usable with the exception of one area which had high organic content and was not suitable for structural fill material.

- Northgate Environmental Management, Inc, 2023, *RCRA Facility Investigation Report, Former SCE Etiwanda Generating Station, 8996 Etiwanda Avenue, Rancho Cucamonga, California 91739*, March 31, 2023, updated October 20, 2023. This report documents the investigation of areas of concern identified at the Subject Property. Investigation activities were conducted between 2019 and 2022. The workplan had identified thirty-eight (38) areas of concern/areas of interest. The retention basins, administration building, reverse osmosis equipment and basin, Units 3 and 4 cooling towers, Unit 4 cooling tower transformer, Generating Units 3 and 4, capped natural gas easement, construction and operations waste, auxiliary transformer, water tanks, fire pumps, sludge drainage area, northern fill, and flumes were identified as not requiring investigation. The following areas were investigated for soil and/or soil vapor impact: the distillate tank for the Unit 5 Peaker,

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the fueling station, Unit 5 Peaker, Chadick channel, hazardous waste accumulation area, Generating Units 1 and 2, warehouse, maintenance shop, welding shop, cooling tower makeup water pond, sulfuric acid tank, Units 1, 2, 3, and 4 transformers, acidic caustic tank area, sodium hypochlorite tank, former hazardous waste area, and septic pits. Soil samples were analyzed for TPH, VOCs, SVOCs, metals, pH, and PCBs. Soil vapor samples were analyzed for VOCs, and one grab groundwater sample was analyzed for VOCs. OCPs were not analyzed based agricultural activities ceasing by the 1950s and on previous sampling performed at or in the vicinity of the Subject Property by Geraghty & Miller in 1997 and Ardent Environmental Group, Inc. in 2019. OCPs were either not detected or were detected at low concentrations (DDE at 0.021 mg/kg and 0.065 mg/kg, DDT at 0.135 mg/kg). The following investigations and cleanup activities were performed between 2019 and 2022 and were summarized in the RFI Report:

- An ERM/Ardent Environmental Group, Inc. 2019 site investigation performed soil and/or soil vapor sampling at the cooling towers, in the Chadwick Channel, along the railroad spur, in landfills I and II, in the sludge drainage area, at the existing and former hazardous waste storage areas, at the maintenance shop, septic system, cooling tower flumes, and the tributary southeast of the Etiwanda Generating Station. Soil samples were collected between 0.5 foot and 7 feet bgs. Soil vapor samples were collected from either sub-slab or from 5 feet bgs. Soil samples were analyzed for TPH carbon-chain distinction (TPH-cc), PCBs, OCPs, and VOCs based on their location. Sample results from the cooling towers 1, 2, and 4; railroad spur, tributary, existing and former hazardous waste storage areas, sludge drainage area, and landfill II indicated that the detected constituents did not exceed commercial/industrial screening levels. Arsenic concentrations were present in soil samples near Cooling Tower 3. TPH-d concentrations were detected in shallow soil in the Chadwick channel and the impacted area was delineated. Lead and arsenic concentrations above commercial screening levels were detected in soil samples from Landfill I. One detection of thallium exceeded commercial screening levels in a soil sample collected at 0.5-foot in the Cooling Tower 3 flume. VOCs (PCE, bromodichloromethane, chloroform, 1,1-DCA, and vinyl chloride) in soil vapor samples collected from the maintenance shop and septic system area exceeded commercial screening levels with an attenuation factor of 0.03.

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- Northgate performed soil sampling in October and November 2020 at the Unit 4 Cooling Tower and transformer, former auxiliary transformer locations, Sulfuric Acid Tanks, and sodium hypochlorite tanks. The detected TPH and PCB concentrations were below residential and commercial screening levels. Soil pH was reported to be between 5.69 and 10.1.

- Path Forward performed a Limited Subsurface Investigation in 2020. Soil and soil vapor samples were collected in the vicinity of Units 1-5 in areas where staining was observed, where oil and solvents were stored, the hazardous waste accumulation area, and oil ASTs. Soil samples were analyzed for TPH, VOCs, SVOCs, PCBs, metals, and pH and results did not exceed commercial industrial screening levels. Soil vapor probes were installed at 5 feet bgs and soil vapor samples were analyzed for VOCs. Detected VOC concentrations in soil vapor did not exceed their respective commercial screening levels with an attenuation factor of 0.03 applied, with the exception of PCE, which was present at a concentration of 130 μg/m3 near the Peaker Unit 5.

- ERM excavated and removed arsenic and lead impacted soil in 2020 from the northwest portion of the former Etiwanda Generating Station. Confirmation soil samples were collected to confirm the removal of arsenic and lead concentrations above clean-up levels. Removal activities were documented in a Soil Removal Memorandum.

- A spill of approximately 40 gallons of mineral oil occurred during decommission activities on July 22, 2021 when a transformer was removed from the Cooling Tower 4 pad. Approximately 146.4 tons of oil-impacted soil were excavated and four confirmation soil samples were collected. Results indicated that PCB concentrations in the confirmation soil samples were not detected above the laboratory reporting limits. The excavated soil was disposed of off site.

- Northgate prepared a Soil Removal Completion Report at Cooling Towers for Units 1 and 2 in 2022. Elevated arsenic concentrations (above the background level of 12 mg/kg) were reported to be present up to approximately 1.5-feet horizontally around the cooling towers and in the adjoining drainage channel. Approximately 4 to 6 feet around the cooling tower was excavated up to 6-inches deep based on previous soil sampling, pre-excavation sample, or confirmation soil sample results.

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No further action was recommended and the DTSC approved this report in an email dated January 6, 2022.

- Two locations near Cooling tower 3 were reported to contain elevated arsenic concentrations based on the results of previous investigations. Roux advanced step-out bores on September 9, 2021. Arsenic concentrations in the samples from the step-out bores did not exceed 12 mg/kg. The arsenic-impacted areas were excavated on October 18, 2021. The two excavations were 8 feet by 4 feet and were 3 feet deep. These two excavations were performed under the SMP prepared for the redevelopment activities.

- Northgate performed soil sampling near one of two exterior transformers associated with the Unit 5 Peaker, which was demolished after sampling in November 2021. PCB concentrations in the shallow soil sample were above commercial screening levels. Step-out samples were collected, and the extent of contamination was vertically and laterally defined. Roux collected a composite concrete sample from the Unit 5 transformer pad and additional confirmation soil samples in November 2021. The concrete pad was demolished in August 2022 and the PCB impacted area was excavated. An area of 16 feet by 20 feet was excavated to 2.5 feet. The concrete and excavated soil was disposed of off site.

- Northgate performed RFI sampling near the two transformers located south of Units 3 and 4 in 2022. TPH and PCB concentrations were present in shallow soil above commercial screening levels. Step-out samples were collected, and the PCB impacted soil was delineated vertically and horizontally. Roux collected composite concrete samples from the transformer pads and then the transformer pads were demolished. The PCB and TPH impacted soils were excavated in two areas: one 35 feet by 20 feet and 2.5-feet deep, and one 35 feet by 25 feet and 2.5-feet deep. Roux collected confirmation samples.

- Northgate performed RFI sampling near eight transformers located south of Units 1 and 2 in 2022. The transformers had been removed in 2021 prior to sampling. TPH, VOC, and PCB concentrations did not exceed commercial screening levels. Roux collected composite concrete samples. PCB concentrations greater than 50 mg/kg were present. Results were reported to the US EPA TSCA cleanup group and a Self-Implementing PCB Cleanup and Disposal Notification Plan was prepared, while additional concrete, asphalt, and soil sampling was performed to

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further delineate the PCB-impacted area between January and November 2022. The investigation and remediation of the PCB-impacted area in the vicinity of Units 1 and 2 is ongoing.

- Additional soil vapor assessment and the installation of a temporary well and collection of a groundwater were proposed in multiple memorandums and were approved by the DTSC. Field activities, consisting of the advancement of 145 bores, were performed between August 2021 and September 2022. Soil vapor probes were installed in 59 of the soil bores.

- The following areas were investigated:

    - The Unit 5 Peaker Distillate tank. Four soil bores were advanced around the base of the former tank location and samples were collected at 2.5 feet, 5 feet, and 10 feet bgs. Soil vapor probes were installed at 5 feet and 10 feet bgs. TPH concentrations in soil did not exceed 100 mg/kg. VOC concentrations in soil vapor did not exceed commercial screening levels with an attenuation factor of 0.03.

    - A former fueling station was located in the southeast portion of the property and a fuel UST was also reported to be located in this area (east of the North Basin). Path Forward had noted a 250-gallon fuel AST associated with the fueling station. Two bores were advanced to 10 feet bgs in the fuel pump/AST and UST areas and soil samples were collected at 2.5 feet, 5 feet, and 10 feet bgs. Soil vapor probes were installed at 5 feet and 10 feet bgs. TPH concentrations in soil did not exceed 100 mg/kg. The VOC and lead concentrations in soil did not exceed commercial screening levels. PCE in the soil vapor sample collected from the 5-foot probe (88.7 µg/m^3) exceeded its commercial screening level with an attenuation factor of 0.03. The remaining VOCs did not exceed commercial screening levels, and PCE did not exceed commercial screening levels in the 10-foot soil vapor sample. As VOCs were not detected in soil, Northgate concluded that the PCE in soil vapor was from a “insignificant surface release.”

    - PCE was detected in soil vapor above commercial screening levels with an attenuation factor of 0.03 in the vicinity of the Unit 5 Peaker during Path Forward’s limited Phase II ESA. Northgate advanced eight bores around

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the two transformers south of the Peaker Unit and collected soil samples at 0.5 foot, 1 foot, and 2.5 feet from most of the bores, and collected soil samples from 2.4 feet, 5 feet, and 10 feet from one bore advanced adjoining the previous investigations bore. Soil vapor probes were installed at 5 feet and 10 feet in four of the bores. TPH in soil exceeded 100 mg/kg in three samples collected from 0.5 foot to 2.5 feet bgs. VOC concentrations in soil did not exceed commercial industrial screening levels. PCB concentrations in samples up to 1 foot exceeded commercial industrial screening levels (Aroclor-1254 was detected at a maximum concentration of 6.9 mg/kg and Aroclor-1260 was detected at a maximum concentration of 1.4 mg/kg). Step-out samples were collected from four additional bores and the PCB concentrations were laterally defined. Roux excavated and removed the impacted soil under the SMP. VOCs (specifically benzene and PCE) in soil vapor exceeded commercial screening levels with an AF of 0.03. The maximum PCE concentrations was reported to be 317 μg/m^3 and the maximum benzene concentration was reported to be 16.4 μg/m^3. Step-out bores advanced and soil vapor probes were installed. PCE was delineated in the 5-foot soil vapor probes and was reported to decrease beyond 20 feet bgs. Benzene was only present in the 5-foot and 20-foot soil vapor samples from location P-6 and decreased with depth with the benzene concentration in the 20-foot sample reported to be 1.0 μg/m^3.

- Arsenic-impacted soil around the Unit 1 and 2 Cooling Towers was excavated to remove arsenic above background levels (12 mg/kg).

- Ardent collected ten composite soil samples from the Chadwick Channel in 2019 from 0.5 feet bgs. TPH-g, TPH-mo, metals, and PCB concentrations detected in the soil samples did not exceed commercial industrial screening levels. TPH-d was detected above commercial screening levels in one composite sample. Northgate advanced 11 bores in the Chadwick Channel and sampled at 0.5 foot, 2.5 feet, and 5 feet bgs. TPH, VOC, SVOC, and PCB concentrations did not exceed commercial screening levels in Northgate's samples.

- Ardent had advanced eight bores around Unit 4 cooling and all the metal concentrations were less than commercial industrial screening levels or

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background levels. Northgate advanced two bores adjoining the transformer south of Unit 4. Results indicated that TPH and PCB concentrations in soil did not exceed screening levels. No further assessment was performed during the RFI for these areas.

- Path Forward investigated Units 3 and 4. Soil sample results indicated that TPH, VOCs, PCBs, and metals in soil did not exceed commercial industrial screening levels. Soil vapor samples indicated that VOCs did not exceed commercial industrial screening levels with an AF of 0.03. Assessment was reported as complete.

- Ardent sampled soil vapor in the hazardous waste accumulation area in 2019. Northgate advanced one additional bore to 10 feet bgs and installed soil vapor probes at 5 and 10 feet. TPH, VOCs, PCBs, and metals (except for arsenic) were less than their respective commercial screening levels. Arsenic was less than background levels. VOCs in soil vapor did not exceed screening levels with an AF of 0.03.

- Units 1 and 2 were demolished in 2022. The sumps and drains were part of the basin assessment which received closure in 2011. Path Forward advanced five bores to 10 feet bgs and collected soil and soil vapor samples from the Unit 1 and 2 locations. With the exception of n-nitrosodimethylamine (NDMA) which was detected at a maximum concentration of 0.094 mg/kg, concentrations detected in soil did not exceed commercial screening levels. The commercial screening level for NDMA was reported as 0.034 mg/kg. The tracer gas was detected in one of Path forward's soil vapor samples. PCE was detected in Path Forwards' soil vapor samples at a maximum concentration of 46 $\mu g/m^3$. Northgate installed a 5-foot soil vapor probe adjoining the soil vapor probe that had the tracer gas, the results of Northgate's sample indicated VOC concentrations were less than commercial screening levels. Roux collected composite concrete samples from the Unit 1 and 2 building slab and PCB concentrations were detected. Assessment and remediation of the PCB-impacted concrete is continuing under DTSC and US EPA TSCA Group oversight.

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- The warehouse structure, formerly located northeast of Units 3 and 4, and adjoining maintenance shop and welding shop were demolished in 2021. Ardent performed an investigation of the warehouse and maintenance shop area in 2019. VOCs (PCE, dichloromethane (DCM), chloroform, 1,1-DCA, and vinyl chloride) were detected in soil vapor at concentrations above commercial screening levels with an attenuation factor of 0.03 in an area east of the warehouse and adjacent to the Maintenance shop. Northgate performed additional assessment of the maintenance area, warehouse, welding shop, and septic pits. Soil samples were collected up to 20 feet bgs and analyzed for TPH, VOCs, and select metals. The 19 bores advanced by Northgate were converted to multi-nested soil vapor probes. An additional 19 soil vapor probes were installed to further assess the area. VOCs were identified to increase in concentration with depth. A grab groundwater sample was collected from the area to identify if groundwater was impacted. TPH concentrations in soil did not exceed commercial screening levels. VOC concentrations were detected in soil at depths ranging from 0.5 foot to 200 feet bgs; however, concentrations did not exceed their respective commercial screening levels. With the exception of arsenic (which was within background levels), the metal concentrations detected in soil did not exceed commercial screening levels. Carbon tetrachloride (maximum concentrations of 4,920 µg/m^3 at 200 feet bgs) and chloroform (maximum concentrations of 1,900 µg/m^3 at 100 and 150 feet bgs) were detected in soil vapor samples above commercial screening levels using attenuation factors of 0.001 and 0.0005. Concentrations were reported to decrease between 200 and 400 feet bgs. The concentrations appeared to be associated with the former hypochlorite AST located south of the Unit 3 cooling tower. VOCs PCE, TCE, 1,1-DCA, 1,2-DCA, benzene, ethylbenzene, bromodichloromethane (BDCM), dibromochloromethane, naphthalene, and 1,1,2-trichloroethane were detected in one or more soil vapor samples at concentrations above commercial screening levels with an attenuation factor of 0.03. Benzene was detected above screening levels in two soil vapor samples and did not exceed screening levels in the remaining 129 soil vapor samples. BDCM was present above screening levels in soil vapor samples from five locations and appeared to increase in concentration to 200 feet and then decrease between 200 and 250 feet bgs and was not detected in deeper

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soil vapor samples. Dibromochloromethane was detected above screening levels in three soil vapor samples and did not exceed screening levels in the remaining 129 soil vapor samples. VOC 1,2-DCA was present slightly above commercial screening levels in soil vapor samples from five locations. Ethylbenzene was detected above screening levels in one soil vapor sample and did not exceed screening levels in the remaining 129 soil vapor samples. Naphthalene was detected above screening levels in one soil vapor sample and did not exceed screening levels in the remaining 129 soil vapor samples. VOC 1,1,2-trichloroethane was detected above screening levels in one soil vapor sample and did not exceed screening levels in the remaining 129 soil vapor samples. TCE was detected above screening levels in two soil vapor samples and did not exceed screening levels in the remaining 129 soil vapor samples. PCE concentrations were detected commercial screening levels in multiple soil vapor samples beneath the maintenance shop and welding shop. VOC 1,1-DCA was also present above commercial screening levels beneath the maintenance shop and welding shop. A groundwater sample was collected in the vicinity of the former sodium hypochlorite AST near the warehouse and maintenance shop. Groundwater was reported to be present at 453 feet bgs. A temporary well was installed and a groundwater sample was collected and analyzed for VOCs. Results indicated that VOC concentrations did not exceed their respective California MCLs.

- Shallow arsenic concentrations were reported to have been identified and delineated from the Unit 3 Cooling tower area. The impacted soil (arsenic greater than 12 mg/kg) was planned to be removed under the SMP.

- Northgate advanced one bore to 5 feet bgs next to each of the former sulfuric acid AST locations. Metal concentrations were reported to be less than commercial screening levels and the ambient arsenic level.

- Northgate advanced four bores around three main transformers and two bores adjoining two small transformers associated with Units 3 and 4 in 2021. Results indicated that TPH and PCB concentrations were detected in soil and step-out bores were advanced. The area with concentrations exceeding commercial screening levels was excavated by Roux under the SMP.

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- Eight transformers were removed in 2021 from the south side of Units 1 and 2. Northgate advanced four bores around each transformer. TPH exceeded 100 mg/kg, but VOC and PCB concentrations did not exceed commercial screening levels.

- The acid caustic tank was removed in 2022. A soil bore was advanced at this location and analyzed for metals and pH. Metal results did not exceed commercial screening levels or ambient arsenic levels and pH was 9.7 to 10.3.

- The sludge drudge area south of the Units 1 and 2 cooling towers and north of the former railroad spur were assessed in 2019. Metal results did not exceed commercial screening levels or ambient arsenic levels.

- The northern fill area (landfill II) area was previously assessed.

- Four sodium hypochlorite tanks were present at the Subject Property. Northgate investigated the north central and western tanks. Metal results did not exceed commercial screening levels or ambient arsenic levels and pH was reported between 7.3 and 11.6.

- Ardent collected soil vapor samples in the former hazardous waste area in the southwestern portion of the Subject Property in 2019. Northgate advanced three soil bores to 10 feet bgs and installed soil vapor probes at 5 feet and 10 feet. TPH, VOCs, and PCBs were not detected in soil samples above commercial screening levels. Metal results did not exceed commercial screening levels or ambient arsenic levels. Soil vapor results did not exceed commercial screening levels using attenuation factors of 0.03, 0.001, and 0.0005.

- Five inline 3,000-gallon septic pits were present east of the maintenance shop and were part of the maintenance shop area assessment.

- The fumes associated with the cooling towers were assessed by Ardent in 2019. The fumes were described as concrete-lined channels with expansion joints. Except for thallium in one sample, metal results did not exceed commercial screening levels or ambient arsenic levels. Thallium was reported to be present at a concentration of 14.9 mg/kg in a 0.5-foot

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soil sample, and assessed to 2.43 mg/kg in the 1.5 foot soil sample beneath it.

- In summary, the RFI findings indicated that TPH and PCBs in soil at concentrations above commercial screening levels were delineated at the Unit 5 Peaker and Units 3 and 4 transformers. These areas were excavated and impacted soil removed by Roux under the SMP in 2022. TPH, VOCs, SVOCs, metals (with the exception of arsenic and one detection of thallium), and PCBs in the remaining soil samples collected across the Subject Property were either not detected or reported at concentrations that did not exceed commercial screening levels. Thallium was reported in one soil sample from 1.5 feet in the Cooling Tower 3 flume. Thallium was reported to decrease in the sample below and was considered to be localized under the joint in the concrete lined flume. Soil vapor assessment results indicated PCE and benzene were present in the Peaker Unit 5 area above commercial screening levels with an attenuation factor of 0.03; however, concentrations decreased by 20 feet and were laterally assessed. PCE was present in the former fueling station area above commercial screening levels with an attenuation factor of 0.03 but was also assessed by 10 feet bgs, and was only present in the one sample. VOCs carbon tetrachloride and chloroform in soil vapor samples collected from below the maintenance shop, warehouse, and welding shop exceeded commercial screening levels with attenuation factors of 0.001 and 0.0005. VOCs PCE, TCE, 1,1-DCA, 1,2-DCA, benzene, ethylbenzene, BDCM, dibromochloromethane, naphthalene, and 1,1,2-trichloroethane were detected in one or more soil vapor samples at concentrations above commercial screening levels with an attenuation factor of 0.03. With the exception of PCE and 1,1-DCA, the VOC concentrations that exceeded screening levels either barely exceeded or were limited to only a few samples and were therefore not considered COPCs. Carbon tetrachloride, chloroform, PCE, and 1,1-DCA appeared to increase in concentration up to 200 feet bgs and then decrease in concentration between 200 and 400 feet bgs. A groundwater sample was collected from beneath the soil vapor impacted area and VOCs were not detected. PCB concentrations were identified in soil and concrete beneath Units 1 and 2. The investigation of PCB concentrations in soil and concrete are ongoing. A human health risk assessment identified that PCBs present an unacceptable cancer and non-cancer risk to construction workers and future commercial/industrial workers. Remedial planning

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is ongoing. The RFI report concluded that no further assessment was required and that the property was “adequately characterized.”

- An Environmental Checklist for the Etiwanda Commerce Center Project was provided with the lead agency as the City of Rancho Cucamonga Planning Department. The description of the project is presented as the following: Black Creek Industrial Acquisitions LLC (applicant) is proposing to develop the project site, which would include the site clearing and grading of the project site and the construction, use, and maintenance of five new buildings for warehouse distribution, office space, loading docks for truck trailers, and include 729 automobile parking spaces and 211 truck trailer parking spaces. The proposed project would also include the creation of a new internal vehicle circulation system, water quality basins, utility infrastructure, exterior lighting and signage, and provide roughly 16 percent landscape coverage. In total, the proposed project would introduce 1,214,131-gross-square feet of new building floor area on approximately 2,787,840 square feet of total site area (approximately 64 acres). Other public agencies whose approval is required include the SCAQMD and the SARWQCB. The City of Rancho Cucamonga has also initiated outreach to Native American Tribes that previously requested notification pursuant to AB 52. An Environmental Impact Report may also be required since the proposed project may have a significant effect on the environment.

- The Rancho Cucamonga Planning Department forwarded Formal Notifications pursuant to Assembly Bill 52 (52 (Public Resources Code 21080.3.1) for the Project to the Gabrieleno Band of Mission Indians – Kizh Nation, Morongo Band of Mission Indians, San Gabriel Band of Mission Indians, San Manuel Band of Mission Indians, Soboba Band of Luiseno Indians, and Torres Martinez Desert Cahuilla Indians on November 1, 2023.

- A hazardous waste statement was signed and dated November 11, 2021.

- Thienes Engineering, Inc. prepared drawings showing the location of existing overhead utilities as “Exhibit B”, last updated on May 1, 2023.

- Drawings prepared by RGA Office of Architectural Design, dated October 21, 2021, show the proposed redevelopment features. A Site Plan - Phase 2 was provided October 17, 2023.

- Gibson Transportation Consulting, Inc. prepared a Draft Memorandum *Transportation Analysis and Evacuation Evaluation for the Etiwanda Avenue and Arrow Route Warehouse Projects, Rancho Cucamonga, California,* dated August 12, 2022. This

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memorandum indicated that the project consisted of a total of 1,266,019-square feet of warehouse space in five buildings and that access will be primarily from Napa Street.

- Thienes Engineering, Inc prepared a *Preliminary Hydrology Calculations* report dated November 10, 2021 to calculate the 100-year existing and proposed condition peak flow rates from the Subject Property. Tributary flow from the north through the western portion of the Subject Property will be conveyed to a 3-foot by 7-foot reinforced concrete box. The 30-inch storm drain currently located in the eastern portion of the Subject Property will be re-routed around the proposed Building 1.

- Thienes Engineering, Inc. prepared a *Preliminary Water Quality Management Plan (PWQMP),* dated November 10, 2021, for the BTC III Etiwanda Commerce Center to comply with the requirements of the City of Rancho Cucamonga and the NPDES Areawide Stormwater Program. This report indicated that sine soil gas beneath the property is impacted, infiltration was not recommended. Stormwater treatment was instead proposed to be performed through underground retention systems, biofiltration units, and separators/drain inserts.

- ELMT Consulting prepared a *Biological Due Diligence Investigation for the Proposed GenOn Powerplant Project, Located at 8996 Etiwanda Avenue, Rancho Cucamonga, San Bernardino County, California,* dated October 29, 2020. The report indicated that 13 special-status plants and 33 special status wildlife species have the potential to occur on the project site, however, the report concluded that there was not suitable habitat for the plants and there was minimal suitable habitat for wildlife foraging or nesting. Pre-construction surveys for burrowing owls were recommended even though no burrowing owls were observed. A trapping study for the Los Angeles Pocket Mouse was recommended. An updated aquatic resources jurisdictional delineation was recommended.

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5 HISTORY OF THE SUBJECT PROPERTY

The history of the Subject Property was researched to identify obvious uses. Historical land use was researched to the first developed use, or back to 1940, whichever was earlier or readily available. Table 5-1 summarizes the availability of information reviewed during this assessment.

Table 5-1
Historical Information Sources

SOURCE	YEARS REVIEWED	SOURCE / AVAILABILITY
SANBORN FIRE INSURANCE MAPS	Not available	EDR, 2023c
AERIAL PHOTOGRAPHS	1938, 1949, 1953, 1959, 1966, 1975, 1985, 1990, 1994, 2002, 2005, 2009, 2012, 2016, and 2020	EDR, 2023d
CITY DIRECTORIES	1922 through 2020 (select years)	EDR, 2023e
HISTORICAL TOPOGRAPHIC MAP REPORT	1897, 1900, 1903, 1941, 1944, 1953, 1954, 1966, 1973, 1976, 1981, 2012, 2015, and 2018.	EDR, 2023f
BUILDING DEPARTMENT	Not available	EDR, 2023g
PREVIOUS ASSESSMENT(S)	1987 through present	Sections 4.1.6, 4.1.10, and 4.1.16

5.1 SANBORN FIRE INSURANCE MAPS

Sanborn Fire Insurance Maps provide historical land use information for some metropolitan areas and small, established towns. Kleinfelder requested EDR to search its library of Sanborn Fire Insurance Maps for maps of the Subject Property. EDR responded that Sanborn Fire Insurance Maps were not available for the Subject Property (EDR, 2023d). A copy of EDR's response is provided in Appendix D.

5.2 AERIAL PHOTOGRAPHS

A review of historical aerial photography may indicate past activities at a property that may not be documented by other means or observed during a reconnaissance visit. The effectiveness of this technique depends on the scale and quality of the photographs and the available coverage. Aerial photographs were obtained from several historical photograph collections through EDR (2023d) and span a period of 82 years. A tabulation of the aerial photographs reviewed by Kleinfelder is

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presented in Table 5-2. Copies of the aerial photographs provided by EDR are included in Appendix D.

TABLE 5-2
Historical Aerial Photographs Reviewed

YEAR	APPROXIMATE SCALE	SUMMARY
1938 1949	1” = 500’	**Subject Property:** The Subject Property appears to be agricultural land and contains no visible structures. **Surrounding Area:** The adjoining properties to the north, west, south, and east are developed as agricultural land. A road is present adjoining the Subject Property to the east. Approximately four residential structures are present on the east side of the road. A railroad is present along the northern Subject Property boundary and a railroad siding extends from this railroad into the agricultural property farther to the north. A structure appears to be present just west of where the railroad spur appears to re-join the railroad, north of the central portion of the Subject Property. A yard with some structures appears to be located north of where the railroad spur leaves the railroad, north of the northeast corner of the Subject Property. A residence appears to be present south of the southeast corner of the Subject Property. Etiwanda Creek is visible farther to the east.
1953	1” = 500’	**Subject Property:** The Subject Property has been developed with an industrial facility (a power generating station). The main power plant structures (transformers, generating units, and at least ten buildings) appeared to be present in the eastern half of the Subject Property. The western portion of the Subject Property contains four structures (Units 1 and 2 cooling towers) and two large ASTs in secondary containment. A road appears to run east to west north of the AST containment area and south of the cooling towers. Material appears to be stored on the northside of this road. A drainage channel (Chadwick Channel) extends southward through the approximate center of the Subject Property. The side of the northern portion of the drainage channel appear to be leveed. A bridge extends over the drainage channel to the main industrial facility in the eastern portion of the Subject Property. Piles of construction materials appear to be present east of the Chadwick Channel, along the northern Subject Property, and scattered around the eastern portion of the facility. A large reservoir is present in the northeast portion of the Subject Property. Two retention basins were present in the southeast portion of the Subject Property. The area around these basins appears to be in use as a parking lot. **Surrounding Area:** The adjoining properties to the north, west, and east appear generally the same. A new warehouse structure is present northeast of the Subject Property, across the road. Two very large ASTs and one small AST appear present south of the southwest portion of the Subject Property. The property south of the east-central portion of the Subject Property appears to have been developed as an electrical substation. Natural drainage channels appear to flow southward from the Subject Property.

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Table 5-2 (Continued)
Historical Aerial Photographs Reviewed

YEAR	APPROXIMATE SCALE	SUMMARY
1959	1” = 500’	**Subject Property:** The Subject Property appears generally the same and developed as a power plant. There appear to be less structures around the main power plant area in the eastern half of the Subject Property. Additionally, the scattered material piles appeared to no longer be present. A water tower or AST appeared to be located north-northeast of the main powerplant structures, west of the northeast reservoir. An AST appeared to be present on the west side and a second AST appeared to be present on east side of the power plant. Two buildings were remained present south of the main power plant. A new structure was present southeast of the power plant, north of the driveway entering the facility. The cooling towers and ASTs remain present in the western portion of the Subject Property. The area north of these cooling towers appears to be developed with agricultural rows to extend eastward to the Chadwick Channel and northward to the Subject Property boundary. A small basin (flume) appeared to be present south of the two western cooling towers and a couple small structures were present south of the two eastern cooling towers. **Surrounding Area:** The adjoining property to the west remains unchanged. The adjoining properties to the south and east also generally the same except that the switch station to the south appears to have been expanded and the residence south of the southeast corner of the Subject Property is no longer present. Additionally, two of the residences east of the Subject Property are also no longer present. The property north of the western half of the Subject Property, across the railroad, has been developed as an industrial facility (steel mill). Large material stockpiles are present along the railroad and around the industrial building, and railroad spurs are present extending into the facility. The property north of the eastern portion of the Subject Property appears generally the same.
1966	1” = 500’	**Subject Property:** The 1966 aerial photograph does not fully show the western portion of the Subject Property. Based on the visible areas, the power plant on the Subject Property appears to have expanded. Two cooling towers and half of one AST in the western portion of the Subject Property are visible. Two new cooling tower structures are present along the northern boundary of the Subject Property, one west of the Chadwick Channel and one east of the Chadwick Channel. Flumes are present extending southward from each of these cooling structures. Additional generating units (Units 3 and 4) are present in the approximate center of the Subject Property, west of the older power plant structures and generator Units 1 and 2. Two new ASTs are present between the new and old structures. A parking lot and small shed are located south of the new structures. **Surrounding Area:** The adjoining properties appear generally the same, except that a new large AST is present south of the ASTs south of the southwest portion of the Subject Property. The facility to the north also appeared to have an additional structure and materials storage in the northern portions of the property. The switch station south of the Subject Property appears to have been expanded.

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Table 5-2 (Continued)
Historical Aerial Photographs Reviewed

YEAR	APPROXIMATE SCALE	SUMMARY
1975	1" = 500'	**Subject Property:** The Subject Property appears generally the same as the 1966 aerial photographs. The western portion of the property shows no change in the Subject Property features from the 1959 aerial photograph. A new generator unit (Peaker Unit 5) is present south of the reservoir in the eastern portion of the Subject Property. A new AST is present south of the retention basins in the southeastern portion of the Subject Property. **Surrounding Area:** The adjoining properties are generally consistent with the previous aerial except that the previously unmapped coverage on the western side of the Subject Property is visible. Two additional large ASTs are present south of the ASTs adjoining the southwestern boundary of the Subject Property. Fluid appears to be present in the secondary containment around the western of these two ASTs. The property north of the Subject Property also appears to have undergone further development. A new storage yard with stockpiled material was present on the property northeast of the Chadwick Channel. The facility north of the eastern half of the Subject Property (former steel mill) appears to have expanded northward and westward with additional commercial buildings, storage yard areas, and railroad spurs. Farther to the north is a new industrial facility along Arrow Route. The residence to the east of the northeast portion of the Subject Property also appears to have been replacement with a rectangular commercial building.
1985	1" = 500'	**Subject Property:** The Subject Property appears generally the same as the 1975 aerial photograph except for a new basin present in the parking lot south of the two newer generating units (Units 3 and 4). Another new retention basin is present east of the AST in the southeast portion of the Subject Property. **Surrounding Area:** The adjoining properties to the west, south, and east appear generally the same except that more parking areas appear to be present on the property to the south. The facility to the north appears to have expanded to the west and northwest. The property north of the northeast portion of the Subject Property appears to have been developed with a commercial building located adjoining Etiwanda Avenue.
1990 1994	1" = 500'	**Subject Property:** The Subject Property appears generally the same as the 1985 aerial photograph except for the presence of materials stored adjoining the basin south of Units 3 and 4. **Surrounding Area:** The adjoining properties are generally the same. New commercial buildings are present on Arrow Route and along Etiwanda Avenue northwest and northeast of the Subject Property.

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Table 5-2 (Continued)
Historical Aerial Photographs Reviewed

YEAR	APPROXIMATE SCALE	SUMMARY
2002	1” = 500’	**Subject Property:** The Subject Property appears generally the same as the 1994 aerial photograph. **Surrounding Area:** The adjoining properties to the north and west appear generally the same, except that there appear to be additional structures on both the properties to the north of the western half of the Subject Property, and the property north of the northeast corner of the Subject Property. The four large ASTs south of the southwestern portion of the Subject Property are no longer present, instead the property is a vacant graded lot. A new road (Napa Street) is present intersecting Etiwanda Avenue east of the Subject Property and extends eastward. A new commercial structure is depicted on the southeast corner of this new intersection. New structure and stockpiled material appear to be present at the property east of the northeast portion of the Subject Property.
2005	1” = 500’	**Subject Property:** The Subject Property appears similar to the 2002 aerial photograph. **Surrounding Area:** The adjoining properties appear generally the same except for a new structure on the property adjoining to the south.
2009	1” = 500’	**Subject Property:** The Subject Property appears similar to the 2005 aerial photograph. **Surrounding Area:** The adjoining properties appear generally the same except for a new electrical substation present south-southwest of the southwest portion of the Subject Property. A new industrial facility was also located west of the southwest portion of the Subject Property. The property east of the Subject Property (formerly vacant) appears developed as an asphalt-paved parking lot/storage yard.
2012 2016	1” = 500’	**Subject Property:** The Subject Property appears similar to the 2009 aerial photograph. **Surrounding Area:** The adjoining properties appear generally the same except the property west of the Subject Property appeared to be paved and the property east of the Subject Property, which was paved in 2009, appears to be unpaved and vacant.
2020	1” = 500’	**Subject Property:** The Subject Property appears similar to the previous aerial. **Surrounding Area:** The adjoining properties appear generally consistent with the previous aerial except the property adjoining to the north of the east-center portion of the Subject Property has been redeveloped as a trucking warehouse.
Note: Aerial photographs only provide information concerning indications of land use, and no conclusions regarding the release of hazardous substances or petroleum products can be drawn from the review of photographs alone.		

The aerial photograph review indicated the Subject Property was developed as agricultural land from at least 1938 through 1949. Railroad tracks were present north and adjoining the Subject Property from at least 1938 through the present. In 1953, the Etiwanda Generating Station was

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developed at the Subject Property with two generating units (Units 1 and 2) and associated buildings and ASTs adjoining the structures. The Chadwick Channel was present draining southward through the Subject Property. A large reservoir was present in the northeast portion of the Subject Property and two retention basins were present in the southeast portion of the Subject Property. Cooling towers and two large ASTs were present in the western portion of the Subject Property. The property south of the western portion the Subject Property also contained two large ASTs, and one smaller AST, and the property south of the central portion of the Subject Property appeared to be developed as an electrical substation. The other adjoining properties remained developed for agricultural or residential use. By 1959, the area north of the cooling towers in the western portion of the Subject Property appeared to be back in use for agricultural purposes and the property north of the Subject Property, across the railroad tracks, had been developed as a steel mill. By 1966, the Etiwanda Generating Station had been expanded with additional generating (Units 3 and 4) located west of Units 1 and 2, and an additional two cooling towers were located along the northern boundary of the Subject Property. Additional large ASTs were present on the property south of the western portion of the Subject Property. By 1975, the Peaker Unit (Unit 5) was present on the eastern side of the Subject Property, south of the reservoir and north of the driveway into the Etiwanda Generating Station. Also, a new AST was present east of the southern retention basin in the southeast portion of the Subject Property by 1975. The steel mill north of the Subject Property appears to have expanded, and additional commercial facilities appeared to be present east of the steel mill, and along Etiwanda Avenue east and northeast of the Subject Property. By 1985, a new basin present in the parking lot south of the two newer generating units (Units 3 and 4). Another new retention basin is present east of the AST in the southeast portion of the Subject Property. The Subject Property remained relatively unchanged from 1990 to 2020. The adjoining properties continued to be developed and used for commercial industrial purposes. The large ASTs south of the western portion of the Subject Property had been removed by 2002, and this area and the property west of the Subject Property were developed with electrical facilities by 2009. Based on review of the aerial photographs, the long history of industrial use (electrical generating station), and presence of multiple ASTs at the Subject Property are considered RECs.

5.3 CITY DIRECTORIES

City directories provide information regarding property occupants by address. EDR provided a city directory abstract (EDR, 2023d) that summarized a review of city directories for properties along Etiwanda Avenue between 1922 and 2020. The available directory listings for the Subject Property addresses mentioned in EDR's report are summarized below:

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8996 Etiwanda Avenue

- 1965 – “Southern California Edison Co Glen Bjotrklundsta attendant Steam Sta”
- 1985 – “Etiwanda Av Fon”, “Sephton Wtr Technlgy”
- 2003, 2008 – XXXX

8998 Etiwanda Avenue

No listings

Directory listings for the adjoining properties were not listed.

The occupation of the Subject Property by Southern California Edison, an electric utility company, is considered a potential REC given the industrial nature of this type of facility.

5.4 HISTORICAL TOPOGRAPHIC MAP REVIEW

Kleinfelder obtained information regarding historical topographic maps of the Subject Property vicinity from EDR (2023g). The topographic maps reviewed for this assessment are listed in Table 5-4 and copies of the maps are included in Appendix D.

Table 5-3
Historical Topographic Maps Reviewed

YEAR	SCALE	SUMMARY
1887 1900 1903	1:62,500 1:62,500 1:62,500	**Subject Property:** The Subject Property also appears to be located within an area identified as West Etiwanda. A road is drawn extending east to west through the north portion of the Subject Property. A second road extends southwest through the center of the Subject Property from the northern road in the northeast corner of the Subject Property. **Surrounding Area:** The adjoining properties appeared to be vacant except for a railroad running in an east-westerly direction along the northern boundary of the Subject Property. A road is present along the eastern boundary of the Subject Property. A structure is present northeast of the Subject Property, across the intersection of the railroad and the road.

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Table 5-3
Historical Topographic Maps Reviewed

YEAR	SCALE	SUMMARY
1941	1:31,680	**Subject Property:** The Subject Property appeared to remain vacant. **Surrounding Area:** The adjoining properties appear vacant. The railroad remained present to the north. The road (Etiwanda Avenue) remained present east of the Subject Property. A railroad siding was drawn extending into the property north of the railroad. Structures were drawn along the road north of this spur. Structures were also drawn on the eastside of the road, east of the Subject Property. An unimproved road was drawn intersecting the road east of the Subject Property and then extending eastward. Another structure was drawn south of the southeast corner of the Subject Property, adjoining the road.
1944	1:50,000	**Subject Property:** The Subject Property appeared to remain vacant except for an unimproved road extending east to west through the northern portion of the Subject Property. **Surrounding Area:** The surrounding area appears to be relatively similar to the previous map except that additional structures are present on the east side of Etiwanda Avenue, east of the Subject Property. A transmission line is also drawn extending north to south, on the east side of Etiwanda Avenue. An additional structure is located south of the Subject Property, and a new structure is shown north of the railroad, north of the approximate center of the Subject Property.
1953 1954	1:24,000” 1:62,500	**Subject Property:** The Subject Property has been developed as a power plant with multiple structures and ASTs present in the eastern half of the Subject Property, and four structures and two oil ASTs present in the western portion of the Subject Property. A large reservoir was present in the northeast corner of the Subject Property and one retention basin was present in the southeast portion of the Subject Property. A railroad spur extends into the Subject Property from its western boundary, and extends eastward north of two oil tanks towards the main power plant structures. A road is drawn extending westward from Etiwanda Avenue along the southern boundary of the central and western portions of the Subject Property.

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Table 5-3 (Continued)
Historical Topographic Maps Reviewed

YEAR	SCALE	SUMMARY
1953 1954	1:24,000 1:62,500	(Continued) **Surrounding Area:** The railroad remains present adjoining the Subject Property to the north. The property farther to the north is developed as orchard. The adjoining property to the west appears to be undeveloped except for the presence of the railroad spur that extends to the Subject Property from the railroad and a MWD upper feeder line (aqueduct) that extends westward from the southwest corner of the Subject Property. The property adjoining to the south also appeared to be undeveloped except for three ASTs shown south and adjoining the southwest portion of the Subject Property and two transmission lines that extend northward into the Subject Property, and then turn eastward toward Etiwanda Avenue. Etiwanda Avenue remains present east and adjoining the Subject Property. The property east of Etiwanda Avenue was shown to be developed as orchard. The MWD Upper Feeder aqueduct is drawn extending eastward from the driveway into the Subject Property. Two structures were shown adjoining the east side of Etiwanda Avenue, east of the northeast corner of the Subject Property. Two transmission lines were drawn farther to the east. A commercial-type structure is shown northeast of the intersection of Etiwanda Avenue and the railroad, northeast of the Subject Property. A Kaiser Steel Plant is shown a little over 0.5 mile to the east of the Subject Property.

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Table 5-3 (Continued)
Historical Topographic Maps Reviewed

YEAR	SCALE	SUMMARY
1966	1:24,000	**Subject Property:** The Subject Property remains developed as a power plant though the power plant appears to have been expanded with new structures to the west and northwest of the original main power plant. A water tower was noted to be present east of the power plant structures and southwest of the reservoir in the northeastern portion of the Subject Property. Additional driveways were also drawn south of the structures. The MWD Upper Feeder is drawn extending eastward through the southwest portion of the Subject Property, until it intersects the driveway, and appears to go under the driveway before exiting the Subject Property at the entrance on Etiwanda Avenue. **Surrounding Area:** The adjoining property to the north, on the northside of the railroad is shown as developed with a commercial industrial facility with multiple structures, railroad spurs, and a water tank. The properties on either side of this commercial industrial property remain depicted as orchards. The property west of the Subject Property appears generally the same as on the 1954 topographic map. Of the three ASTs previously shown south of the southwest portion of the Subject Property, the eastern AST has been replaced with two smaller ASTs and two additional large ASTs are present south of the two original ASTs. A driveway is drawn extending northward to the center of the Subject Property's southern boundary. A yard with multiple transmission lines extending to it from the south is present adjoining the southern boundary of the central portion of the Subject Property. The properties adjoining the Subject Property to the east are generally the same. Additional commercial development is present farther to the east including a large structure with a water tank. The Kaiser Steel plan also appears to have extended westward with the closest structure present a little over a 0.25-mile east-southeast of the Subject Property.
1973	1:24,000	**Subject Property:** The Subject Property appears generally the same except that a new AST was drawn in the southeast portion of the Subject Property (south-southeast of the retention basin) and a new rectangular structure is present along the northern boundary of the Subject Property, north of the power plant structures. **Surrounding Area:** The adjoining properties appear generally the same. A commercial structure is shown east of the northeast corner of the Subject Property, on the east side of Etiwanda Avenue.
1976	1:50,000	**Subject Property:** The Subject Property appears generally the same as on the previous topographic map except that the retention basin in the southeast portion of the Subject Property is no longer depicted. **Surrounding Area:** The adjoining properties appear generally the same except that orchards are shown to be present on the property to the west, and on the undeveloped property to the east.

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Table 5-3 (Continued)
Historical Topographic Maps Reviewed

YEAR	SCALE	SUMMARY
1981	1:24,000	**Subject Property:** The Subject Property is generally the same except a new retention basin is under construction north of the AST in the southeastern portion of the Subject Property. **Surrounding Area:** The adjoining properties appear generally the same except that orchards aren't drawn on the property to the west.
2012	1:24,000	**Subject Property:** The format of the topographic map no longer depicts structures or extensive site features. The reservoir in the northeast portion of the Subject Property is shown and a retention basin in the southeast portion of the Subject Property is shown. The MWD Upper Feeder is shown extending into the Subject Property from the west. **Surrounding Area:** Etiwanda Avenue is drawn adjoining the Subject Property to the east. Napa Street is shown intersection Etiwanda Avenue near the southeast portion of the Subject Property and extending eastward. The MWD Upper Feeder is drawn extending eastward from the Subject Property, north of Napa Street. Etiwanda Creek is depicted farther to the east.
2015	1:24,000	**Subject Property:** The Subject Property appears similar to the 2012 topographic map. **Surrounding Area:** The adjoining properties appear generally the same except that the railroad and railroad spurs are once again shown adjoining the Subject Property to the north and extending into the property north of the railroad tracks (though less railroad spurs are drawn then previous shown for this facility).
2018	1:24,000	**Subject Property:** The Subject Property appears similar to the 2012 and 2015 topographic maps except that the driveway into the Subject Property from Etiwanda Avenue is shown. **Surrounding Area:** The adjoining properties appear generally the same except that new roads are shown on the property north of the northeast portion of the Subject Property.

In summary, the Subject Property appears to have been developed as a power plant with multiple ASTs, including two large oil ASTs, since at least 1953. The Subject Property has also been adjoined to the north by a railroad since at least 1987. The long history of industrial use as a power plant and the storage of petroleum hydrocarbons at the Subject Property is considered a REC. The presence of the railroad adjoining the Subject Property since 1987, is also considered a REC.

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5.5 BUILDING DEPARTMENT

EDR provided Kleinfelder with a report summarizing its Subject Property building permit search (EDR, 2023e), a copy of which is included in Appendix D. The *EDR Building Permit Report* documents EDR's negative search results for the Subject Property. Additional permit search information is summarized in Section 4.3.3.

5.6 PREVIOUS ASSESSMENTS

Previous investigations are summarized in Sections 4 under the regulatory agency records reviewed and user provided information.

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6 SUBJECT PROPERTY RECONNAISSANCE

Kleinfelder's Phase I ESA activities included a Subject Property reconnaissance. This section summarizes the findings from the Subject Property reconnaissance.

6.1 METHODOLOGY AND LIMITING CONDITIONS

Ms. Lindsey Dandridge-Perry and Mr. Alan Rodriguez of Kleinfelder performed a Subject Property reconnaissance on September 20, 2023. The Subject Property reconnaissance included a visual inspection of the Subject Property to assist in identifying the presence or likely presence of hazardous substances or petroleum hydrocarbons under conditions that indicate an existing release, a past release, or threat of release into structures, soil, groundwater, or surface water at the Subject Property (i.e., RECs). Observations of readily apparent environmental conditions are summarized in Table 6-1, and color photographs of the Subject Property are presented in Figures 6-50. The approximate Subject Property boundaries are shown in Figure 2.

6.2 GENERAL PROPERTY SETTING

The Subject Property consists of APN 0229-283-79-0000 and a portion of APN 0229-283-83-0000, located west of the intersection of Etiwanda Avenue and Napa Street in the City of Rancho Cucamonga, California. The Subject Property is generally surrounded by industrial properties.

6.3 PROPERTY OBSERVATIONS

Kleinfelder's Subject Property observations are summarized in Table 6-1.

Table 6-1
Subject Property Observations

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Current use	Unoccupied former electric generating facility. Two large ASTs being were present in the southwest portion of the Subject Property.	X	
Current use likely to indicate RECs			X
Past use	Electric Generating Facility	X	
Past use likely to indicate RECs	Former electrical generating facility activities including chemical storage (ammonia, fuel oil, lube oil, distillate oil, hypochlorite, etc.), ASTs, pipelines, USTs, fuel dispensers, PCB-containing equipment, retention basins, sumps, and metal impacts from cooling tower wastewater.	X	

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Table 6-1 (Continued)
Subject Property Observations

GENERAL OBSERVATIONS	REMARKS	OBSERVED	NOT OBSERVED
Structures (size, material, location)	Two large ASTs located in bermed area in southwest portion of the Subject Property.	X	
Other Site Improvements (i.e. pavement, fencing, retention pond…)	An asphalt road extends into the Subject Property from Napa Street. A large dry reservoir was located in the northeast portion of the Subject Property. Chadwick Channel, a stormwater drainage system, extends southward through the western portion of the Subject Property. A MWD pipeline extended east to west through the Subject Property. Fencing was located along the perimeter of the Subject Property.	X	
Roads	An asphalt road extends westward into the Subject Property from Napa Street. Etiwanda Avenue is present east of the Subject Property.	X	
Topography of Subject Property and surrounding area	Generally flat with scattered areas of uneven terrain caused by construction/excavation activity associated with equipment removal and decommissioning of the former electric generating facility.	X	
Interior and exterior observations or environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.		**Observed**	**Not Observed**
Aboveground storage tanks (ASTs)	Two large ASTs (currently used to store reclaimed water) are present in the southwest portion of the Subject Property. Two ASTs were located off-Subject Property on the adjoining property to the south.	X	
Asbestos and lead			X
Below grade vaults	Multiple vaults were observed across the Subject Property. Observed vaults included SCE vaults, MWD vaults, storm drain vaults, and other former unknown utility vaults.	X	
Burned or buried debris			X
Chemical storage			X
Chemical mixing areas			X
Discolored soil or water			X
Ditches, streams	Chadwick Channel was observed to be a dry drainage channel extending through the western portion of the Subject Property. A storm drain channel was present in the southeast portion of the Subject Property. A 30-inch storm drain was reported to be present in the eastern portion of the Subject Property.	X	

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Table 6-1 (Continued)
Subject Property Observations

Interior and exterior observations or environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.		Observed	Not Observed
Drains and piping	A 30-inch storm drain was reported to be present in the eastern portion of the Subject Property. Piping/pumps associated with the MWD pipeline running through the Subject Property was observed near the entrance to the Subject Property from Napa Street. Piping associated with the large ASTs and former fuel oil pipelines on the Subject Property was present south of the ASTs.	X	
Drums			X
Electrical or hydraulic equipment (polychlorinated biphenyls [PCBs])	One pad-mounted transformer was present on Etiwanda Avenue, adjoining the eastern portion of the southeast portion of the Subject Property. Electrical equipment was observed on the adjoining properties. Concrete impacted with PCBs was identified in the Units 1 and 2 building pad area.	X	
Fill dirt from an unknown source			X
Fill dirt from a known source			X
Hazardous chemical and petroleum products in connection with known use			X
Non-hazardous containers with contents	Asphalt emulsion container on eastern property line	X	
Hazardous waste storage	Former hazardous waste storage areas are now empty, and no staining observed. The retention basin that former stored wastewater had been decommissioned.	X	
Heating and cooling system and fuel source			X
Industrial waste treatment equipment			X
Loading and unloading areas			X
Odors			X
Pits, ponds, or lagoons	A dry reservoir was located in the northeastern portion of the Subject Property.		X
Pools of liquid			X
Process wastewater			X

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Table 6-1 (Continued)
Subject Property Observations

Interior and exterior observations or environmental conditions that may involve the use, storage, disposal or generation of hazardous substances or petroleum products.		Observed	Not Observed
Sanitary sewer system			X
Septic system (e.g., tank and leach fields)	The septic systems were reported to have been removed.		X
Soil piles	Large stockpiles of asphalt, gravel, soil, concrete, and construction debris were present in the northwest portion of the Subject Property. Asbestos-abatement was reported to have been performed and the materials tested for contaminants.	X	
Solid waste/evidence of unauthorized dumping	Trash debris was present along the eastern exterior of the Subject Property boundary (along the fence).	X	
Stained pavement, soil or concrete			X
Stains or corrosion (interior, non-water)			X
Storm drains/catch basins	A trench drain was observed in the former carport area, near the northeast portion of the main power generating facility, and drains were observed east of the Unit 1 and 2 building pad area. Other drainage systems included the Chadwick channel and drains near the ASTs. A 30-inch storm drain and a drainage channel were also present in the southeast portion of the Subject Property. A catch basin was observed near Napa Street.	X	
Stressed vegetation			X
Sumps and clarifiers			X
Surface water			X
UST(s) (including heating oil tanks)			X
Unidentified substance containers			X
Wastewater discharge			X
Water supplies (potable and process)			X
Wells (irrigation, monitoring, or domestic)			X
Wells (dry)			X
Wells (oil and gas)			X

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6.3 RESULTS OF SUBJECT PROPERTY RECONNAISSANCE

The Subject Property was observed to vacant except for two large water ASTs in a bermed area in the southwestern portion of the Subject Property. A dry reservoir was observed in the northeastern portion of the Subject Property. The northwestern portion of the Subject Property was covered with stockpiles of concrete, asphalt, and construction debris (broken pipe, bollards, pieces of metal). A driveway extended into the Subject Property from the intersection of Napa Street and Etiwanda Avenue, east of the Subject Property. The driveway extended westward to the AST containment area. Remnant concrete building pad remained present in the former Power generating Unit 1 and Unit 2 location. Former asphalt and concrete pavement remained in the former carport area. Depressions and excavations were observed in the former boiler chemical cleaning basin area, former waste accumulation area, former cooling tower areas, and former flume area. The Chadwick Channel was also observed, the northern portion of which was covered in riprap. Utility remnants including manholes and trench drains were observed near the former Unit 1 and 2 building pad and in the northeast portion of the former power generating station. Utility vaults associated with the MWD pipeline were observed near the driveway into the Subject Property, in the carport, and pipeline infrastructure was observed along the southern boundary of the AST containment area. Multiple vaults/pump station associated with the MWD pipeline were observed on the north side of the driveway in the eastern portion of the Subject Property. An SCE vault was observed south of the Subject Property in the gravel area north of the adjoining substation. A southern California Gas pipeline was observed adjoining the Subject Property to the east, along Etiwanda Avenue. A leak at this pipeline was being repaired at a point adjoining the northeast corner of the Subject Property at the time of the reconnaissance. A railroad right-of-way was present adjoining the Subject Property to the north. A fiber optic marker was noted in the railroad right-of-way. Storm drains were observed extending under the railroad allowing stormwater to drain towards the Subject Property. The adjoining properties were observed to be commercial industrial. Transmission lines were present along Etiwanda Avenue, and south of the Subject Property. SCE facilities were present adjoining the Subject Property to the south, southwest, and west. A bails bond building was located on the southeast corner of the intersection of Napa Street and Etiwanda Avenue. A metal recycling facility was present east of the northeast portion of the Subject Property, across Etiwanda Avenue, and the property south of the metal recycling facility was vacant. Evidence of discolored water, stressed vegetation, pits, ponds, or lagoons was not observed on the Subject Property during the reconnaissance.

Kleinfelder walked the Subject Property with Mr. Carlos Palafox, Ares Management, and their environmental consultant, Mr. Matthew Nelson, Roux, Inc. on September 20, 2023. Mr. Nelson

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provided copies of figures showing the former Subject Property features, site investigation areas, and remedial activities. Mr. Palafox has been involved with the project for one year and through the former Etiwanda Generating Station demolition. Mr. Nelson has been involved with the site assessment and remediation activities. Most of the areas of concern have been assessed and remediated. Ongoing investigation is being performed of PCB-impacted concrete at former Units 3 and 4 transformer locations. The PCB investigation is being performed under US EPA oversight due to it being a TSCA regulated hazardous waste and additional information is provided in section 4.3.9. They indicated that the Subject Property has not been graded and that most of the subsurface features have been removed. Two water lines (one for MWD and one reclaimed water) cross the Subject Property. The stockpiles located in the northwest portion of the Subject Property consist of construction debris, concrete, and asphalt from the demolition of the former on-site structures. Mr. Palafox indicated that all asbestos material (transite pipe) had been abated and removed.

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7 INTERVIEWS

Key Site Managers were contacted to obtain current and historical environmental information concerning the Subject Property. The following sections highlight information revealed during the interviews.

7.1 INTERVIEW WITH CLIENT

Kleinfelder submitted a User questionnaire to Ascent on July 27, 2023. Ascent informed Kleinfelder that the applicant indicated that all relevant information was included in the reports provided by the User. A completed User questionnaire has not been included as of the date of this report.

7.2 INTERVIEW WITH OWNER/MANAGER/OCCUPANTS

Kleinfelder walked the Subject Property with Mr. Carlos Palafox, Ares Industrial Management, and their environmental consultant, Mr. Matthew Nelson, Roux, Inc. on September 20, 2023. Mr. Nelson provided copies of figures showing the former Subject Property features, site investigation areas, and remedial activities. Mr. Palafox has been involved with the project for one year and through the Subject Property's demolition. Mr. Nelson has been involved with the site assessment and remediation activities. Most of the areas of concern have been assessed and remediated. Ongoing investigation is being performed of PCB-impacted concrete at former Units 1 and 2 transformer locations. The PCB investigation is being performed under US EPA oversight due to it being a TSCA-regulated hazardous waste. The site contacts indicated that the Subject Property has not been graded and that most of the subsurface features have been removed. Two water lines (one for MWD and one reclaimed water) cross the Subject Property. The stockpiles located in the northwest portion of the Subject Property consist of concrete and asphalt which was ground up from on-site structures during the Subject Property demolition activities. Mr. Palafox indicated that all asbestos material (transite pipe) had been abated and removed.

Copies of figures of the remediation, sampling locations, and areas of interest were provided by Roux during the site reconnaissance. These investigations were summarized in sections 4.1.6 and 4.1.16.

7.3 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

Information obtained from regulatory agencies contacted by Kleinfelder is discussed in Section 4.3.

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8 EVALUATION

Kleinfelder performed this Phase I ESA of the Subject Property consistent with the scope and limitations of ASTM Designation E1527-21. The following sections describe Kleinfelder's findings and provide general background information about the Subject Property. Findings address RECs, HRECs, CRECs, and notation of *de minimis* quantities, as applicable to the Subject Property. In summary, Kleinfelder's assessment revealed the following information concerning the Subject Property:

- The Subject Property consists of approximately 64 acres of land, which is identified by the San Bernardino County Assessor's Office as APN 0229-283-79-0000 (the main parcel) and a portion of APN 0229-283-83-0000. Two addresses are associated with the Subject Property: 8996 and 8998 Etiwanda Avenue.
- The Subject Property was formerly occupied by the SCE Etiwanda Generating Station, which included the Subject Property, and the property to the west and southwest from 1950 to 1997. The generating station portion of the SCE property (APN 0229-283-79-0000) was sold to Alta Power Generation LLC., a subsidiary of Houston Industries Inc in 1998, and the facility then became Mountain Vista Power Generation facility. In 1999 Houston Industries Inc changed its name to Reliant Energy and subsequently to RRI Energy, and then to GenOn, which subsequently merged with NRG Energy. GenOn, a subsidiary of NRG Energy, declared bankruptcy on June 14, 2017, and APN 0229-283-79-0000 was bought by BTC Etiwanda LLC. The remainder of the former SCE facility was retained by SCE and the southwest portion of the Subject Property (APN 0229-283-83-0000) was occupied by EPTC from 1997 to 2003, Pacific Terminals from 2003 to 2005, and then IEUA from 2005 to present. The Subject Property includes the northwest portion of APN 0229-283-83-0000.
- At the time of this Phase I ESA the main parcel was vacant and two large ASTs were present in a bermed area on the Subject Property portion of APN 0229-283-83-0000. A dry reservoir was observed in the northeastern portion of the Subject Property. The northwestern portion of the Subject Property was covered with stockpiles of concrete, asphalt, and construction debris (broken pipe, bollards, pieces of metal). A driveway extended into the Subject Property from the intersection of Napa Street and Etiwanda Avenue, east of the Subject Property. The driveway extended westward to the AST containment area. A remnant concrete building pad remains present in the former Power generating Unit 1 and Unit 2 location. Former asphalt and concrete pavement remained

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in the former carport area. Depressions and excavations were observed in the former boiler chemical cleaning basin area, former waste accumulation area, former cooling tower areas, and former flume area. The Chadwick Channel was also observed, the northern portion of which was covered in riprap. Utility remnants including manholes and trench drains were observed near the former Unit 1 and 2 building pad and in the northeast portion of the former power generating station. Utility vaults associated with the MWD pipeline were observed near the driveway into the Subject Property, in the carport, and pipeline infrastructure was observed along the southern boundary of the AST containment area. Multiple vaults/pump station associated with the MWD pipeline were observed on the north side of the driveway in the eastern portion of the Subject Property. A SCE vault was observed south of the Subject Property in the gravel area north of the adjoining substation. A Southern California Gas pipeline was observed adjoining the Subject Property to the east, along Etiwanda Avenue. A leak at this pipeline was being repaired at a point adjoining the northeast corner of the Subject Property at the time of the reconnaissance. A railroad right-of-way was present adjoining the Subject Property to the north. A fiber optic marker was noted in the railroad right-of-way. Storm drains were observed extending under the railroad, allowing stormwater to drain towards the Subject Property. The adjoining properties were observed to be commercial industrial. Transmission lines were present along Etiwanda Avenue, and south of the Subject Property. SCE facilities were present adjoining the Subject Property to the south, southwest, and west. A bails bond building was located on the southeast corner of the intersection of Napa Street and Etiwanda Avenue. A metal recycling facility was present east of the northeast portion of the Subject Property, across Etiwanda Avenue, and the property south of the metal recycling facility was vacant. Evidence of discolored water, stressed vegetation, pits, ponds, or lagoons was not observed on the Subject Property during the reconnaissance.

- The Subject Property was either used for agriculture, grazing, or was fallow land until approximately 1953. The Chadwick Channel was present flowing through the center of the property since at least 1938. Railroad tracks have been present north and adjoining the Subject Property since at least 1938. An approximately 30-foot wide MWD Easement, which contains their Upper Feeder Line (a 10-foot diameter aqueduct constructed in the 1940s), bisected the parcel from the east to the west. SCE developed the Subject Property as a power generating station with generating Units 1 and 2, associating cooling towers, a reservoir for cooling tower makeup water in its northeast portion, retention basins in its southeast portion, and two large ASTs in its southwest portion between 1951 and 1953.

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The generating station was expanded with the construction of Units 3 and 4 in 1963. All four generating units used oil-fired boilers, which were later changed to natural gas. Water for the generating units was supplied by off-site three groundwater wells located on the SCE property. A Unit 5 Peaker Unit was installed in 1969. A third retention basin (boiler chemical cleaning basin) was constructed in 1979 and a reverse osmosis basin was constructed by 1997. In 2001, Units 3 and 4 were retrofitted with SCR units and 10,000-gallon ammonia ASTs were installed at the Subject Property. Units 1, 2, and 5 were decommissioned in 2003 and facility operations ceased by 2018. The former generating station was demolished between 2018 and 2020.

- Large oil ASTs were constructed in the southwest portion of the SCE property (off site, adjoining to the south of the southwest portion of the Subject Property) between 1953 and 1975 and were removed by 2002. The adjoining property to the south of the main Subject Property was developed as an electrical power distribution facility by 1966. TAMCO (a steel mill facility) was developed north of the railroad tracks, north of the western half of the Subject Property by 1959 and operated until 2020. Commercial buildings (DP Etiwanda, SA Recycling, Ferromet, Simsmetal, Bernell Hydraulics) were constructed north of the eastern portion of the Subject Property by 1949. Etiwanda Avenue has adjoined the Subject Property to the east since 1887. The property east of the Subject Property, across Etiwanda Avenue, was developed with a commercial building (All State Paper & Metal Recycling Co Inc.) by 1975. Electrical transmission lines have been present extending along the eastern side of Etiwanda Avenue since 1944. SCE's Grapeland Peaker facility was constructed west and adjoining the Subject Property by 2005 and exists to the present day.
- Hazardous materials and waste used, stored, and/or generated at the Subject Property included: acetone, acetylene, distillate fuel (JP-5), gasoline, kerosene, fuel oil (bulk storage tank), turbine oil, transformer oil, mineral oil, dielectric oil, lead acid batteries, chlorine tablets, various compressed or liquid gases, aqueous ammonia, calcium hypochlorite, disodium phosphate, hydrazine, mercury, mercury alcohol, soda ash (sodium bicarbonate), sodium chromate, trisodium phosphate, ethyl combustion improver, sulfuric acid, paint and thinner waste, propane, sodium hydroxide, bleach / sodium hypochlorite, Nalco Dynacool 1383 Scale Inhibitor (acrylic acid and acrylamide), Nalco 3 D Trasar Cooling Water Treatment (sodium benzotriazole and sodium hydroxide), Nalco 7468 Cooling Water Defoamer (amorphous hydrated silica and benzoic acid), Nalco 7330 microbiocide (5-chloro-2methyl-4-isothiazolin-3-one, magnesium nitrate, and 2-methyl-4-isothiazolin-3-one), sodium metabisulfate, Ryd lyme, Rid-Lime scale remover

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(hydrochloric acid), asbestos debris, cooling tower sludge, treated wood waste, boiler debris (chromium), grease, fuel oil, tar, diesel fuel, oily debris, oil water separator sludge, used oil with solvent, paint chip and debris, paint solids/sludge, mineral oil (containing 2 ppm to 50 ppm PCBs), universal waste, Crystal Simple Green industrial cleaner and degreaser (2-butoxy ethanol and water), spent sandblast grit containing lead, used lube oil, Nalco 2837 Molybdate corrosion inhibitor (sodium molybdate, sodium metaborate, and sodium hydroxide), gasoline, helium, and Nalco Trasar scale inhibitor.

- Numerous releases and clean-up cases have been reported on upgradient properties. Upgradient properties of concern include the former TAMCO steel mill, the Ameron Pipe Plant, DP Etiwanda, and Bernell Hydraulics.
    - Former TAMCO, located at 12459 Arrow Route, adjoins the Subject Property to the north – this property had been developed as a steel mill in the 1950s. Multiple closed cleanup cases were listed in association with this property, including a NFA status for lead remediation issued by the SARWQCB in 1990, a NFA for UST removal issued in 1994 by SBCDEH, excavation oversight performed by the DTSC in 2001, NFA for slag stockpile remediation in 2002 by SBCFD, NFAs for UST removal in 2006, 2011, and 2014 by SBCFD, and a Consent Order in 2007 by the DTSC. Multiple site investigations have been performed since 2021. Soil and soil vapor have been impacted by historic operations. TPH, PCBs, and metals were reported to be present in localized areas in shallow soils. Impacted soil is being cleaned up under a SMP. Soil vapor extraction remediation is planned at the property.
    - DP Etiwanda located at 8822 Etiwanda Avenue adjoins the Subject Property to the north, across the railroad tracks. This facility was enrolled in the VCP and has a case status of certified O & M – land use restrictions only as of October 22, 2020. This property was historically agricultural with a single-family residence and a railroad spur on the property between 1938 and 1966. The facility was then used for automobile and scrap metal recycling from 1975 through 2017. This facility was redeveloped as a transportation facility with office, storage, freight, shipping, and trucking operations. Concentrations of metals, TPH, and PCBs were reported to be present in soil samples at this facility. Remedial excavation was performed; however, confirmation soil samples indicated that residual metals and PCB concentrations above commercial/industrial screening levels were present along the western, northern, and southern property boundaries. A LUC between DP Etiwanda and DTSC was executed on August 19, 2020, restricting the property to commercial/industrial use. A drainage

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channel and the northern portion of the Chadwick Channel, which flows through the Subject Property, adjoins the western boundary and southwest corner of this property (the lead and PCB-impacted area). A concrete cinder block wall was reported to be present on the boundary preventing any further step-out bore assessments or remedial excavation.

- Bernell Hydraulics, located at 8810 Etiwanda Avenue adjoins the Subject Property to the north, across the railroad tracks and adjoining Etiwanda Avenue. This facility was listed in the VCP with an active case as of September 17, 2021. This property was historically developed as a Department of Transportation maintenance yard by 1938, with additional structures developed between 1949 and 2005. The property was occupied by Mountain Metals, a metal recycling facility, between 1970 and 1980, and then hydraulic systems fabrication, maintenance, and repair facilities from 1980 to the present. A Ninyo & Moore Phase I ESA reported that the facility received violations for poor housekeeping and had heavy oil staining and during the site reconnaissance, and a hydraulic oil spill was noted in the northern portion of the property. Other incidents included an ERNS database listing for “50 or more 55-gallon drums of motor oil and hydraulic oil that were knocked over and overfilled for a long period of time” in 1998, an incident of overflow from the oil filter area in 2015 resulting in runoff to the storm drain south of the property and north of the SCE property (the Subject Property), and a CHMIRS database report indicating employees dumped approximately 500 gallons of used oil over the wall into the dry channel. Ninyo & Moore performed a limited Phase II ESA (Ninyo & Moore, 2021) to assess soil and soil vapor conditions at the property. Assessment activities identified slag material beneath the pavement, and elevated metal and PCB concentrations were detected in soil. PCE was reported to be present in soil vapor.

Though, these properties may have historically impacted the Subject Property, the historical impacts have been assessed or remediated/in the process of being remediated as part of the current redevelopment activities. Currently, due to redevelopment (Ameron has been redeveloped as a Goodman distribution center, DP Etiwanda, has been developed as a Central Transport facility, and TAMCO is currently being re-developed by BTC Etiwanda as a commercial facility) the former cleanup-cases at these facilities are being remediated or have been capped to prevent runoff and land use restrictions emplaced to prevent exposure of the impacted soil. Additionally, runoff from these facilities will be collected in a concrete catch basin or transported through a 30-inch storm drain in

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the proposed Subject Property development plans. The above redevelopment of the properties of concern, and the proposed redevelopment of the Subject Property to prevent runoff from impacting subsurface soils removes the potential for the upgradient properties to impact the Subject Property, therefore, these are not considered RECs.

Retention Basin Summary

- On February 1, 1995, the Superior Court of California issued a Final Stipulation to SCE for improperly storing hazardous materials in a non-permitted wastewater retention basin. A RFI case was initiated for the Etiwanda Generating Station. SCE was required to perform assessments of the retention basins and their associated sumps. SCE conducted LDI of the north and south retention basins and the Boiler Chemical Cleaning Basin with soil samples collected up to 100 feet bgs. Soil and soil gas samples were collected. Elevated metal concentrations (antimony, arsenic, mercury, molybdenum, nickel, silver, and thallium), low pH, and VOCs (chloroform, chloromethane, styrene, tetrachloroethene, toluene, vinyl chloride, butyl benzyl phthalate, and dioxin/furans) were detected in soil beneath the North and South Retention Basins. No contamination was identified beneath the Boiler Chemical Cleanout Basin. Soil contamination was reported to be mostly within the upper 5 feet below the bottom of the basins. In 1996, a Title 22 Drinking Water analysis was conducted for the three production wells downgradient of the Subject Property. The results indicated that no levels of metals or other constituents of concern were detected. In 2002, four groundwater monitoring wells, EW-1 through EW-4, were installed in the vicinity, and downgradient of the retention basins. Groundwater monitoring wells EW-5 and EW-6 were installed in 2003. Groundwater sampling was performed between 2002 and 2011. Based on statistical analysis of the groundwater sampling results, groundwater was concluded to not have elevated concentrations of constituents of concern and to not have been impacted. A project-wide closure certification report for the RCRA basins was issued on December 19, 2011. The closure certification included the north wastewater retention basin, south wastewater retention basin, boiler chemical cleaning basin, Units 1 and 2 fireside wash drain system, Units 3 and 4 fireside wash drain system, Units 3 and 4 fireside wash system sediment trap, Units 1 and 2 boiler acid wash drain system, and Units 3 and 4 boiler acid wash drain system. The certification closure indicated the retention basin were closed and approved for unrestricted use. The RFI for the remainder of the generating station was to be performed upon its decommissioning and SCE remained responsible for the performance of the RFI and cleanup of contamination from prior to the sale of the property. Due to the unrestricted use closure of the retention basins,

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the former retention basins and their associated piping and sumps are considered an HREC.

Chadwick Channel

- On March 13, 1985, approximately 10,000 gallons of oil/water was spilled at the TAMCO facility (steel mill located north of the Subject Property) into the Chadwick Channel and flowed onto the Subject Property. TAMCO and SCE performed cleanup activities under SARWQCB oversight. The upper 5 feet of drainage channel and spreading basin soils were identified as contaminated with petroleum hydrocarbons and metals. Based on depth of impact, it was surmised that previous releases had occurred and impacted soil in the Chadwick Channel. A site characterization study was performed, and findings indicated that, with the exception of lead, elevated metals concentrations did not exceed hazardous waste levels. As groundwater water quality was not threatened, the SARWQCB issued a letter indicating that no further remedial action was required.
- An area with elevated nickel concentrations was identified at the former Unit 4 Drain Line Discharge into the Chadwick Channel. Soil containing nickel in excess of the TTLC value of 2,000 mg/kg and soil containing soluble nickel in excess of its STLC was excavated. On February 27, 1996, an area of Chadwick Channel was excavated for that purpose. Confirmation soil samples were collected and confirmed the removal of the impacted soil.
- A release of cement/hazardous waste occurred from the Ameron Arrow Plant on April 5, 2012. The release flowed through the storm drain to the Chadwick channel and into the Subject Property. California Fish and Game and the SARWQCB were reported to respond to the incident. Ameron fixed the pipe which was the source of the release. Soil and water samples were collected, and metals concentrations and pH were reported to be below hazardous waste levels. Remediated soil was kept on site at Ameron and the case was closed.
- Numerous cooling tower releases were reported to occur at the Subject Property including the following: a release of 100 gallons of cooling tower water occurred on January 17, 2001; a release of 20 gallons of cooling tower water occurred on May 21, 2001; a release of 10,000 gallons of cooling water into the Chadwick Channel from Cooling Tower Number 4 was reported on June 12, 2001; a release of 150 gallons of coolant tower water occurred on July 16, 2001; a release of 100 gallons of cooling tower water occurred on August 28, 2001; a release of 80 gallons of cooling tower water occurred on September 13, 2001; a release of 1,000 gallons of cooling water with chlorine occurred on February 9, 2002; a

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release of 5,000 gallons of cooling tower water occurred on July 15, 2002; and a release of 150 gallons of cooling water (reclaimed water with well mixture) occurred on May 9, 2011.

- Recent investigations performed in the Chadwick Channel in 2019 identified the presence of TPH-d in shallow soils in one composite sample. This impacted soil was delineated. TPH-g, TPH-mo, metal, and PCB concentrations did not exceed commercial screening levels. Additional investigations performed in 2022 indicated that TPH, VOCs, SVOCs, and PCBs were not present above commercial screening levels. The Subject Property is being remediated under a SMP to commercial screening levels, therefore, any residual contamination in the Chadwick Channel is considered a CREC.

USTs

- Numerous USTs were listed in the HIST UST and SWEEPS UST databases as being present at the Subject Property. A 550-gallon kerosene UST and a 120-gallon naphtha product UST were installed in 1952. Three USTs containing gasoline, kerosene solvent, and naptha were removed in 1986, and a new 550-gallon (or 548-gallon) unleaded gasoline UST was installed in the same UST cavity. Based in review of a SCE letter dated December 11, 1985, subject “Etiwanda Generating Station – Remedial Action Report”, investigation and tank integrity test activities were performed in preparation of removing the kerosene and naptha USTs and replacing them with the gasoline UST. Prior to removal of the USTs, five bores were advanced around the USTs and samples were collected up to 40 feet bgs. TPH concentrations were present in four of the five soil bores, with the maximum concentration reported to be 11 ppm present in the 10-foot soil sample of bore SB2. A Rancho Cucamonga Fire Protection District “Application for Alternate Method” dated August 16, 1999 proposed to install a new 250-gallon AST as a replacement for the UST used for fueling company equipment. The proposed location of the tank was shown to be south of the guard shack and entrance into the facility. A Rancho Cucamonga Fire Protection District Permit dated November 15, 1999 was for removal of a UST and associated piping from SCE 8996 Etiwanda. No further information was available about this UST. Based on review of a previous Phase I ESA prepared by CH2MHill in 1997 (CH2MHill, 1997) and historical site plans, the former 550-gallon gasoline UST was located between Units 3 and 4 and Units 1 and 2. No closure report was available for removal of the gasoline UST; however, subsequent investigations performed in the fueling station area have not identified significant contamination. The Subject Property is being

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remediated under a SMP to commercial screening levels, therefore, any residual contamination in the UST area is considered a CREC.

- Based on information from a Phase I ESA prepared by CH2MHill, in 1997, a septic system consisting of a 7,000-gallon septic tank and five seepage pits was located east of the Shop building, between Units 1 and 2. This septic system was indicated to have been installed in 1951. Based on information from the RFI Report, dated 2022, five 3,000-gallon inline seepage pits were part of the septic system located east of the maintenance building.
- A permit to remove one UST was issued on January 3, 2000. An application to remove an 8,000-gallon UST was dated January 3, 2000. A job card for removal of a UST was dated January 13, 2000. No further information was available. This may be related to removal of a septic system tank.

Subject Property-wide Releases / Assessments

- Reported releases at the Subject Property included the following: a release of PCBs was reported to have occurred in 1983 (Geraghty & Miller, 1997); a release of 45 gallons of non-PCB mineral oil occurred on July 14, 1995; a release of 50-gallons of non-PCB mineral oil occurred on March 10, 2008; a release of 35-gallons of oil occurred on March 3, 2010; less than 3-gallons of sodium hypochlorite occurred on July 25, 2014; a release of 42-gallons of lube oil occurred on June 16, 2016; and a release of 20 to 40-gallons of non-PCB mineral oil occurred on July 24, 2021. These releases were cleaned up and impacted soil was reported to have been excavated.
- A Phase II ESA was prepared by Geraghty & Miller on June 6, 1997 to assess areas of concern identified by CH2MHill in their 1997 Phase I ESA. Geraghty & Miller concluded six areas (surface water discharge, pipelines, cooling towers, sulfuric acid storage tanks, former water softener and brine pit, and second solid waste disposal area) had arsenic concentrations above screening levels and they recommended an environmental risk screening evaluation for industrial use. No further action was recommended, but additional sampling was indicated to be likely required as part of decommissioning activities at the ASTs, transformers, powerblock, and a possible UST location. No further action was recommended for the waste discharges from off-site (Chadwick Channel), USTs, hazardous waste storage area, landfill, scrap metal yard, septic systems, 1995 transformer oil spill area, vineyard water tank, Peaker Unit floor drain and sump, laydown area, switchyard perimeter, boiler wash water storage tank area, Units 1 and 2 cooling tower sludge dewatering area, utility pole storage area, and agricultural research area.

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- A FICA between the DTSC and BTC III Etiwanda Commerce Center LP was signed June 1, 2021. BTC III Rancho Cucamonga Logistics Center LP purchased the Subject Property from GenOn California South, LP on December 29, 2000. This document indicated that as of January 2020, SCE was responsible for implementation of a RCRA Facility Investigation (RFI) Workplan and RFI Report. After DTSC approval of the RFI Report, Subject Property redevelopment may be performed. The Etiwanda Generating Station was decommissioned between 2018 and 2022 and assessment activities have been performed between 2019 and 2023 to characterize the subsurface impact at the Subject Property.
- A former landfill area was excavated and arsenic- and lead-impacted soil was removed from the northwest portion of the Subject Property in 2020 (ERM, 2020). Confirmation soil samples were collected to confirm the removal of arsenic and lead concentrations above clean-up levels. Removal activities were documented in a Soil Removal Memorandum prepared by ERM.
- In 2022, shallow arsenic-impacted soil was excavated from around the cooling towers for Units 1 and 2. Soil with arsenic concentrations greater than California background levels (12 mg/kg) was excavated. Confirmation soil samples were collected and approximately 289.13 tons of arsenic-impacted soil was removed. The field activities were summarized in a Soil Removal Report prepared by Northgate Environmental, and no further action was recommended.
- The RFI Report prepared by Northgate Environmental, Inc, dated October 2023, summarized investigation activities that were conducted between 2019 and 2022. The RFI workplan had identified thirty-eight (38) areas of concern/areas of interest. The retention basins, administration building, reverse osmosis equipment and basin, Units 3 and 4 cooling towers, Unit 4 cooling tower transformer, Generating Units 3 and 4, capped natural gas easement, construction and operations waste, auxiliary transformer, water tanks, fire pumps, sludge drainage area, northern fill, and flumes were identified as not requiring investigation based on previous investigation/remedial activities or no identified concern. The following areas were investigated for soil and/or soil vapor impact: the distillate tank for the Unit 5 Peaker, the fueling station, Unit 5 Peaker, Chadick channel, hazardous waste accumulation area, Generating Units 1 and 2, warehouse, maintenance shop, welding shop, cooling tower makeup water pond, sulfuric acid tank, Units 1, 2, 3, and 4 transformers, acidic caustic tank area, sodium hypochlorite tank, former hazardous waste area, and septic pits. The RFI finings indicated that TPH and PCB concentrations above commercial screening levels in soil were delineated at the Unit 5 Peaker and Units 3 and

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4 transformers. These areas were excavated and impacted soil removed by Roux under the SMP in 2022. Similarly, other impacted areas (arsenic around the cooling towers and the landfill area in the northwest portion of the Subject Property) were excavated during previous assessments. TPH, VOCs, SVOCs, metals (with the exception of arsenic and one detection of thallium), and PCBs in the remaining soil samples collected across the Subject Property were either not detected or reported at concentrations that did not exceed commercial screening levels. Thallium was reported in one soil sample from 0.5-foot beneath the Cooling Tower 3 flume. Thallium was reported to decrease in the sample below and was considered to be localized under the joint in the concrete-lined flume. Soil vapor assessment results indicated PCE and benzene were present in the Peaker Unit 5 area above commercial screening levels with an attenuation factor of 0.03; however, concentrations decreased by 20 feet in depth and were laterally assessed. PCE was present in the former fueling station area above commercial screening levels with an attenuation factor of 0.03, but was also assessed by 10 feet bgs, and was only present in the one sample. The VOCs carbon tetrachloride and chloroform in soil vapor samples collected from below the maintenance shop, warehouse, and welding shop exceeded commercial screening levels with attenuation factors of 0.001 and 0.0005. The VOCs PCE, TCE, 1,1-DCA, 1,2-DCA, benzene, ethylbenzene, BDCM, dibromochloromethane, naphthalene, and 1,1,2-trichloroethane were detected in one or more soil vapor samples at concentrations above commercial screening levels with an attenuation factor of 0.03. With the exception of PCE and 1,1-DCA, the VOC concentrations that exceeded screening levels either barely exceeded or were limited to only a few samples, and were therefore not considered COPCs. Carbon tetrachloride, chloroform, PCE, and 1,1-DCA appeared to increase in concentration up to 200 feet bgs and then decrease in concentration between 200 and 400 feet bgs. A groundwater sample was collected from beneath the soil vapor-impacted area and VOCs were not detected. PCB concentrations were identified in soil and concrete beneath Units 1 and 2. The investigation of PCB concentrations in soil and concrete are ongoing. A human health risk assessment identified that PCBs present an unacceptable cancer and non-cancer risk to construction workers and future commercial/industrial workers. Remedial planning is ongoing. The RFI report concluded that the property was “adequately characterized.”

- During demolition activities at the Subject Property, PCB concentrations greater than 50 mg/kg were detected in the building pad beneath Units 1 and 2. Ongoing assessment is being performed under US EPA oversight. Grid sampling has been proposed to delineate the concentrations laterally and vertically. The clean-up criteria was identified as the PCB

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commercial industrial screening level of 0.58 mg/kg. Materials with PCB concentrations greater than 0.58 mg/kg and less than 25 mg/kg may be used as fill and covered with a concrete cap, materials with concentrations greater than 25 mg/kg but less than 50 mg/kg would be disposed of off site as non-hazardous waste, and materials with PCB concentrations greater than 50 mg/kg would be disposed of at a hazardous waste facility that accepts PCB-impacted waste.

AST Farm Assessments

- The two ASTs (identified as SCE's Northwest and Northeast tanks) located in the southwest portion of the Subject Property were formerly used for oil storage until approximately 2005. When IEUA purchased the property, these ASTs were converted to water storage tanks (IEUAs West and East Reservoirs, respectively). A former pumping area and pipelines remain present on the IEUA property. Investigations were performed in the AST area in 1997, 1998, 2017, and 2018. Bores were advanced around the ASTs, at the primary fuel pumping area, along the pipelines, adjoining sumps, in truck loading areas, stained soil areas, and along any wastewater pipelines and the Chadwick Channel. Additionally, in the 2017 investigation soil vapor probes were installed adjoining the sumps/separators at seven locations. Residual TPH concentrations were identified in shallow soils, though only a couple areas were identified with TPH concentrations exceeding 100 mg/kg. On June 7, 2021, IEUA entered into a FICA agreement with the DTSC to facilitate the removal of soils to acceptable levels and a SMP was prepared by Environmental Application Inc. (EnvApps) on March 24, 2022. In 2020, soil with TPH concentrations greater than 100 mg/kg and PAH concentrations above commercial screening levels was excavated from an area southeast of the Northwest AST. The documented residual TPH concentrations in soil and the unassessed area beneath the ASTs is considered a REC.

8.1 DEVIATIONS AND ADDITIONAL SERVICES

The scope of this Phase I ESA does not incorporate ASTM Standard non-scope considerations, such as ACMs, radon, LBP, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality/vapor intrusion, and high-voltage power lines.

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8.2 CONCLUSIONS AND RECOMMENDATIONS

Kleinfelder has performed a Phase I ESA, in conformance with the scope of services required by ASTM Designation E1527-21, our Proposal No. MW232277.001P/LH22P146237 dated June 28, 2023, and limitations discussed in this report. Exceptions to and deviations from this practice are described in Section 8.1 of this report.

Based on the results of the Phase I ESA, no RECs, CRECs, HRECs, or *de minimis* conditions were identified for the Subject Property, except for the following:

RECs

- The former presence of large fuel oil ASTs on the Subject Property and the unassessed areas beneath these ASTs represents a REC.
- Soil vapor sampling conducted at the northwest portion of the maintenance shop and south of the Unit 3 cooling tower indicated the presence of chloroform, carbon tetrachloride, PCE, and 1,1-DCA above US EPA screening levels and DTSC-modified screening levels for commercial land use beneath the Subject Property. The impacted soil vapor beneath the Subject Property is considered a REC.
- The ongoing cleanup and remediation of PCB-impacted concrete and soil at the former Unit 1 and 2 location is considered a REC.

HRECs

- The unrestricted closure of the retention basins and their associated piping and sumps on the Subject Property is considered an HREC.
- The removal of shallow arsenic-impacted soil from around the Unit 1 and 2 cooling tower and the removal metals-impacted soil in the northwest portion (landfill area) of the Subject Property are considered HRECs.

CREC

- The Subject Property has a long history of industrial use with multiple releases and cleanup activities reported. USTs and ASTs containing various oils, gasoline, sulfuric acid, sodium hypochlorite, and other hazardous substances have been present on the Subject Property. Recent assessment activities have characterized the subsurface impacts at the Subject Property and Kleinfelder understands that a SMP is in place outlining removal and

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management of impacted material encountered during construction activities. Soil cleanup is being performed to commercial limits; therefore, this is considered a CREC.

Based on the findings and conclusions of this Phase I ESA, Kleinfelder has the following recommendations for further assessment.

- Install vapor mitigation system for proposed building.
- Performance of assessment activities beneath the former ASTs when removed.

8.3 DATA GAPS

Kleinfelder attempted to obtain reasonably ascertainable information regarding the Subject Property consistent with ASTM Standard E1527-21. Despite good faith efforts by the environmental professional(s) to gather the necessary information, data gaps, a lack of information, or inability to obtain information as required by the ASTM Standard, were encountered during the completion of this Phase I ESA.

- A Chain of Title was not provided by the Client.
- A completed User Questionnaire has not been received as of the date of this report.
- Gaps in historical sources greater than 10 years (19-03 to 1922 and 1938 to 1949).

The lack of a User Questionnaire and Chain-of-Title report, and a gap in historical sources greater than 10 years are not considered significant data gaps based on other information obtained for the Subject Property.

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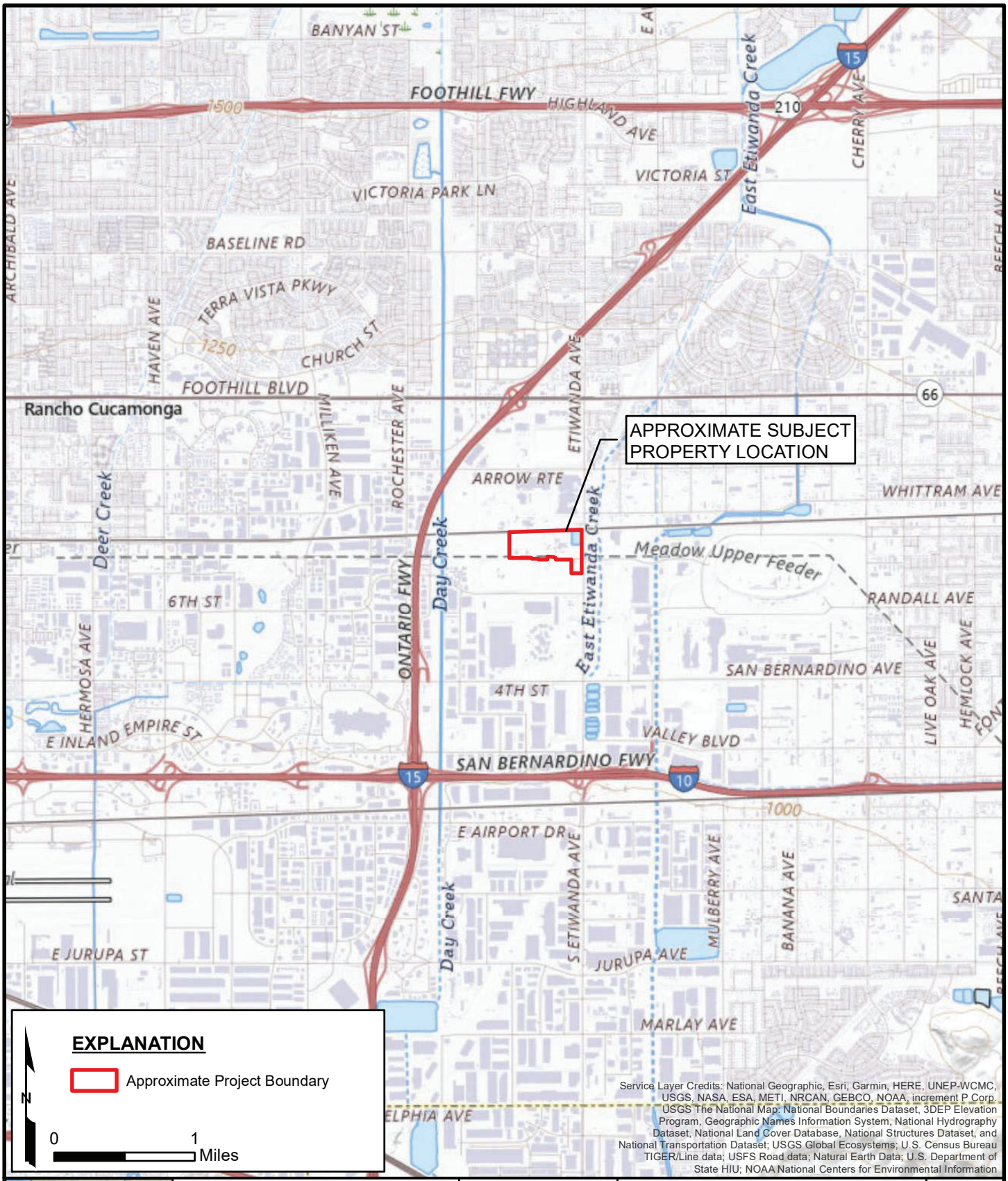
FIGURES



EXPLANATION

Approximate Project Boundary

N

0 1 Miles

Service Layer Credits: National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp. USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information

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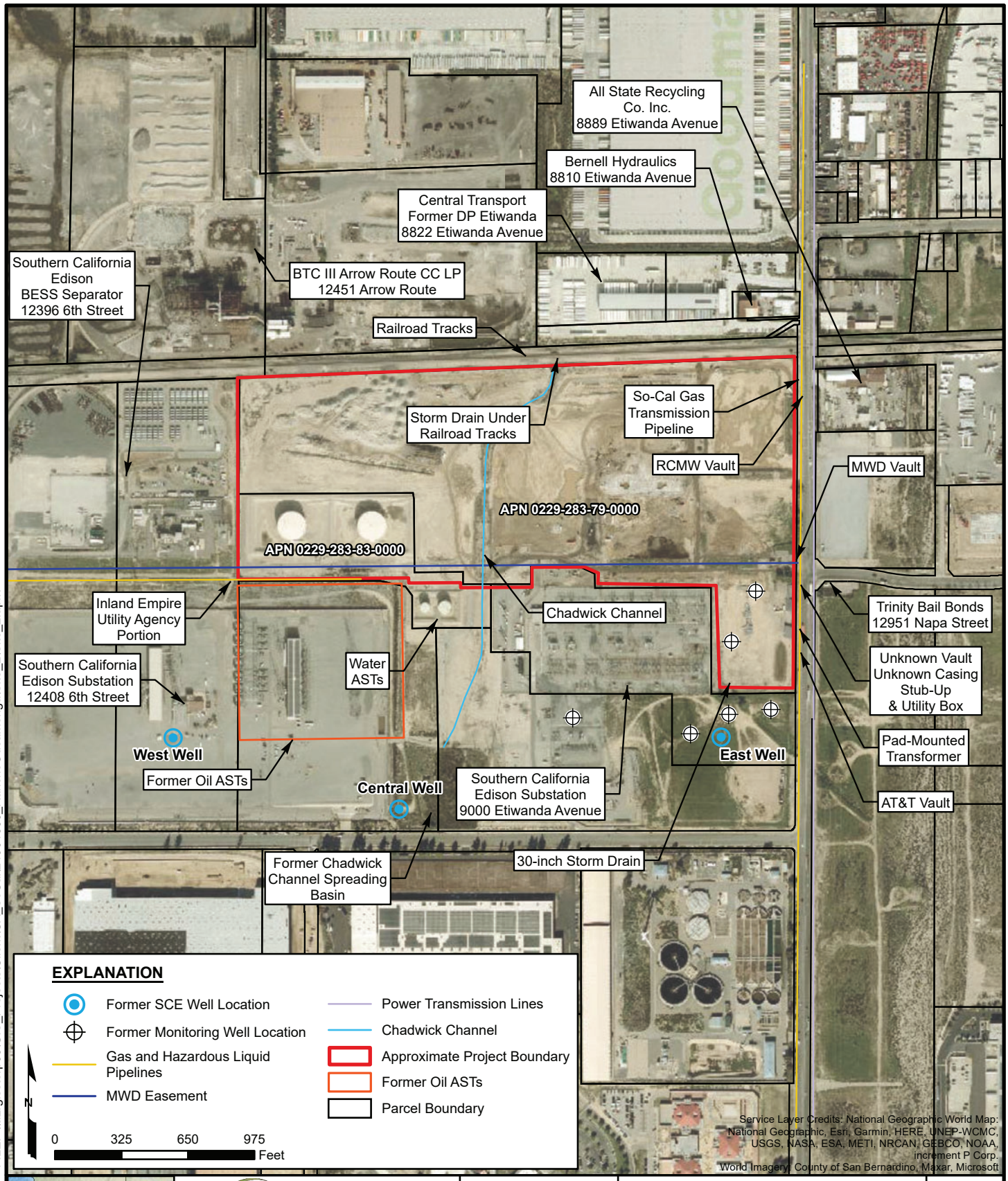
SUBJECT PROPERTY LOCATION MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT
ETIWANDA COMMERCE CENTER PROJECT
ASSESSOR'S PARCEL NUMBERS (APNS)
0229-283-79-0000 AND 0229-283-83-0000
RANCHO CUCAMONGA, CALIFORNIA 91739
KLEINFELDER PROJECT NO. 24001666.002A

FIGURE

1



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SUBJECT PROPERTY VICINITY MAP

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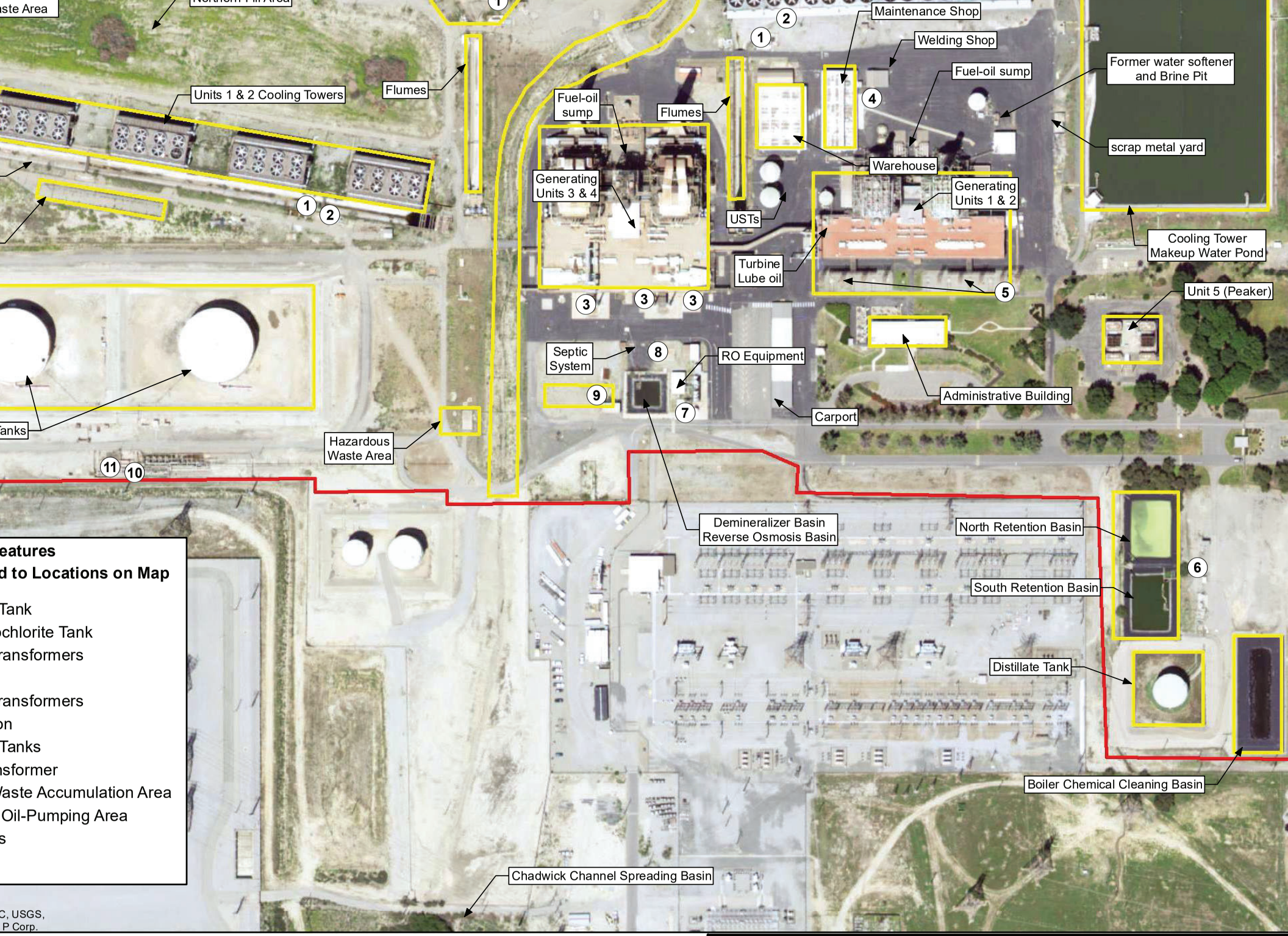
ETIWANDA COMMERCE CENTER PROJECT
ASSESSOR'S PARCEL NUMBERS (APNS)
0229-283-79-0000 AND 0229-283-83-0000
RANCHO CUCAMONGA, CALIFORNIA 91739
KLEINFELDER PROJECT NO. 24001666.002A

FIGURE

2



EXPLANATION

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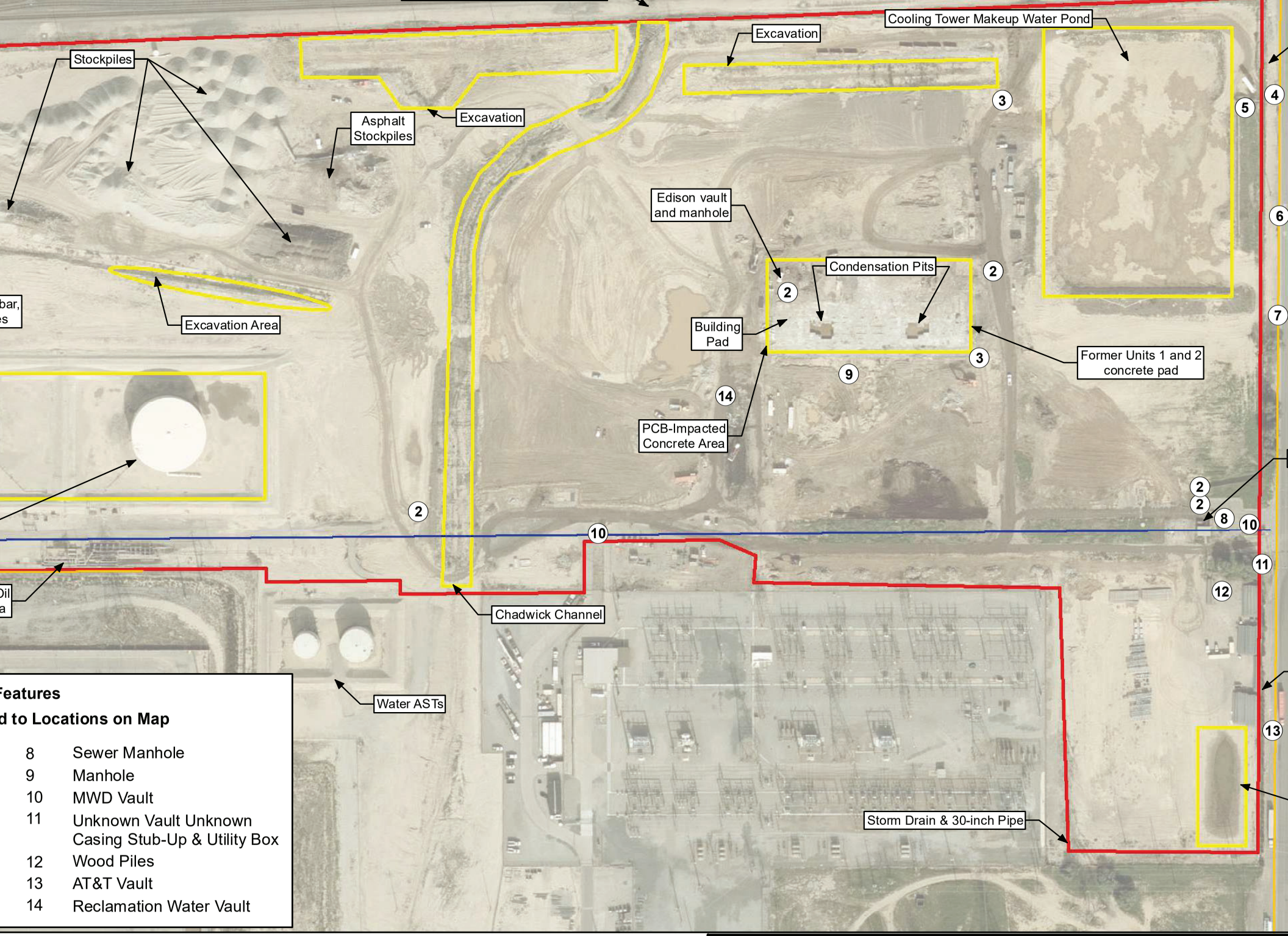

Features

d to Locations on Map

8	Sewer Manhole
9	Manhole
10	MWD Vault
11	Unknown Vault Unknown Casing Stub-Up & Utility Box
12	Wood Piles
13	AT&T Vault
14	Reclamation Water Vault

EXPLANATION

○ Site Features (see table)

PROJECT NO. 24001666.002A

CREATED: JUNE 2024

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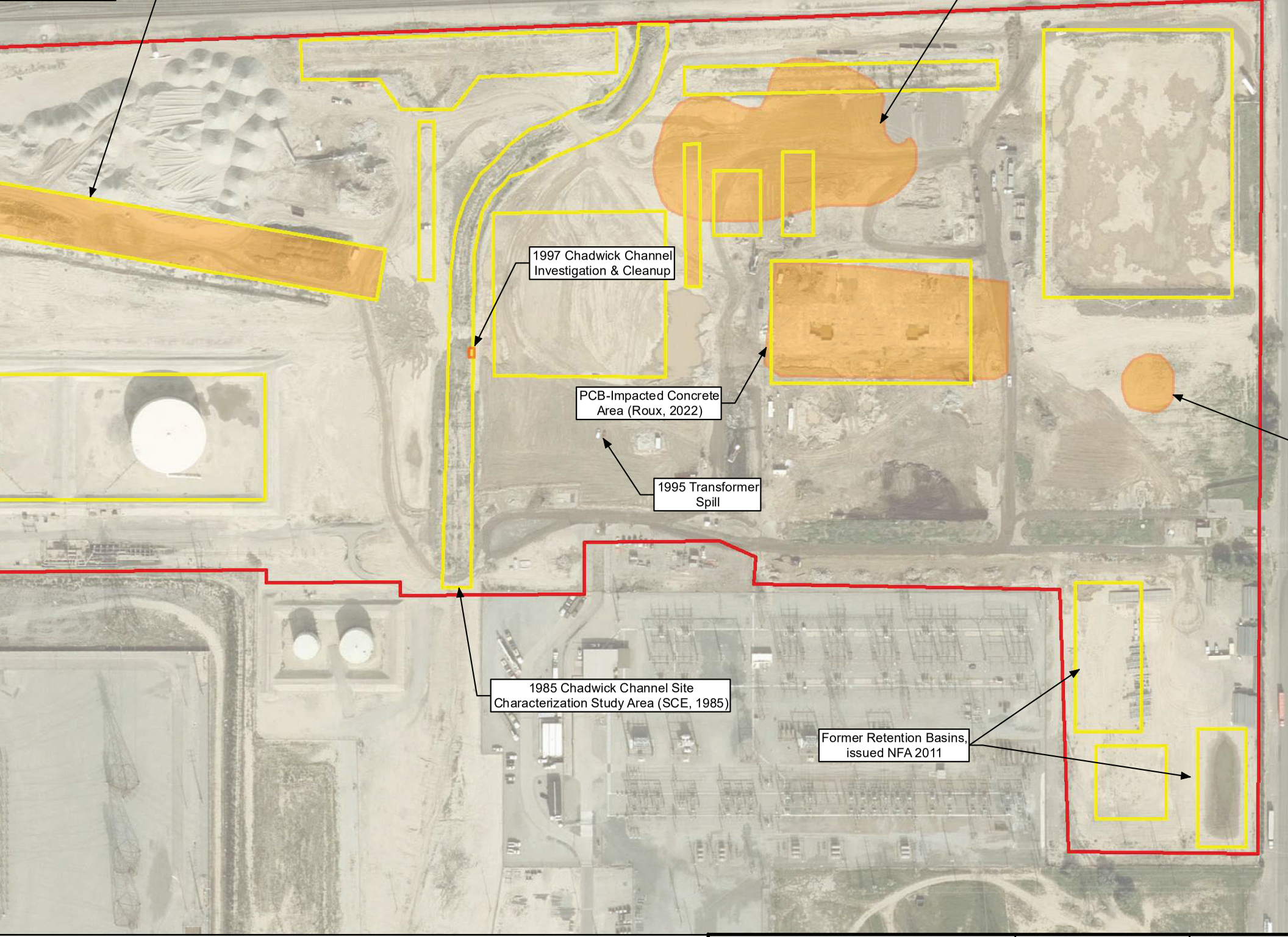

EXPLANATION

Remediation/Investigation

Former Structure/Feature

PROJECT NO. 24001666.002A	SUB REMEDIATIO
CREATED: JUNE 2024	



PHOTOGRAPH 1 – FACING WEST-SOUTHWEST ACROSS DRIVEWAY ENTRANCE OFF ETIWANDA AVENUE. THE ADJOINING SUBSTATION TO THE SOUTH OF THE SUBJECT PROPERTY IS VISIBLE IN THE BACKGROUND.



PHOTOGRAPH 2 – FACING WEST ALONG NORTHERN SUBJECT PROPERTY BOUNDARY FROM ETIWANDA AVENUE. SOUTHERN CALIFORNIA GAS PIPELINE UTILITY INFRASTRUCTURE IS IN THE FOREGROUND. THE RAILROAD IS PRESENT ON THE RIGHT SIDE OF THE PHOTOGRAPH.

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PHOTOGRAPH 3 – FACING NORTH ALONG THE EASTERN SUBJECT PROPERTY BOUNDARY AND ETIWANDA AVENUE FROM THE DRIVEWAY ENTRANCE.



PHOTOGRAPH 4 – FACING WEST ALONG THE SOUTHERN BOUNDARY OF THE CENTRAL AND WESTERN PORTIONS OF THE SUBJECT PROPERTY.

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PHOTOGRAPH 5 – FACING SOUTH ALONG THE WESTERN SUBJECT PROPERTY BOUNDARY FROM THE NORTHWEST CORNER. THE ADJOINING SCE PROPERTY IS LOCATED ON THE RIGHT SIDE OF THE PHOTOGRAPH. THE WESTERN AST (FORMER SCE NW AST, CURRENT IEUA WEST RESERVOIR) ON THE SUBJECT PROPERTY IS VISIBLE IN THE BACKGROUND.



PHOTOGRAPH 6 – METROPOLITAN WATER DISTRICT (MWD) WATER VAULT IN CENTER MEDIUM OF DRIVEWAY INTO THE SUBJECT PROPERTY.

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PHOTOGRAPH 7 – STUB-UP WITH UTILITY BOX, UNKNOWN CASING, AND MANHOLE ON THE SOUTHERN CORNER OF DRIVEWAY ENTRANCE OFF NAPA STREET AND ETIWANDA AVENUE.



PHOTOGRAPH 8 – PAD TRANSFORMER (MANUFACTURED APRIL, 2022) ON THE EASTERN EXTERIOR PERIMETER OF THE SUBJECT PROPERTY, LOCATED SOUTH OF THE DRIVEWAY INTO THE SUBJECT PROPERTY AND THE INTERSECTION OF NAPA STREET AND ETIWANDA AVENUE.

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PHOTOGRAPH 9 – AT&T VAULT ON SOUTHEASTERN EXTERIOR PERIMETER OF THE SUBJECT PROPERTY ADJOINING ETIWANDA AVENUE.



PHOTOGRAPH 10 – POLE-MOUNTED TRANSFORMER ON EAST SIDE OF ETIWANDA, EAST OF THE SUBJECT PROPERTY.

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PHOTOGRAPH 11 – FACING NORTH ALONG EASTERN SUBJECT PROPERTY BOUNDARY. MISCELLANEOUS TRASH ALONG EAST PERIMETER.



PHOTOGRAPH 12 – ASPHALT EMULSION BUCKET ON EASTERN EXTERIOR PERIMETER

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PHOTOGRAPH 13 – NATURAL GAS PIPELINE MARKER ON NORTHEASTERN EXTERIOR PERIMETER OF SUBJECT PROPERTY. THE RESERVOIR IN THE NORTHEASTERN PORTION OF THE SUBJECT PROPERTY IS IN THE BACKGROUND BEHIND THE FENCE.



PHOTOGRAPH 14 – NATURAL GAS PIPING AND HIGH-PRESSURE NATURAL GAS MARKER. THE RESERVOIR IN THE NORTHEASTERN PORTION OF THE SUBJECT PROPERTY IS IN THE BACKGROUND BEHIND THE FENCE.

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PHOTOGRAPH 15 – RCMW VAULT ON THE NORTHEAST EXTERIOR PERIMETER OF THE SUBJECT PROPERTY.



PHOTOGRAPH 16 – GTE MANHOLE ON THE NORTHEAST PERIMETER OF THE SUBJECT PROPERTY.

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PHOTOGRAPH 17 – SOUTHERN CALIFORNIA GAS TRANSMISSION PIPELINES ON NORTHEAST EXTERIOR CORNER.



PHOTOGRAPH 18 – WATER PIPE EXTENDING INTO NORTHEAST RETENTION BASIN. ETIWANDA AVENUE IS IN BACKGROUND ON LEFT.

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PHOTOGRAPH 19 – WOOD DEBRIS SOUTH OF THE DRIVEWAY ENTRANCE IN THE SOUTHEASTERN PORTION OF THE SUBJECT PROPERTY.



PHOTOGRAPH 20 – FACING NORTHWEST ACROSS THE SOUTHEAST PORTION OF THE SUBJECT PROPERTY.

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PHOTOGRAPH 21 – FORMER DISTILLATE TANK AREA IN THE SOUTHEAST CORNER OF THE SUBJECT PROPERTY.



PHOTOGRAPH 22 – FACING SOUTH ACROSS THE FORMER BOILER CHEMICAL CLEANING BASIN AND FUELING STATION AREA IN THE SOUTHEAST PORTION OF THE SUBJECT PROPERTY.

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PHOTOGRAPH 23 – FACING NORTH ALONG THE WESTERN SIDE OF THE FORMER NORTH AND SOUTH RETENTION BASIN AREA IN THE SOUTHEAST CORNER OF THE SUBJECT PROPERTY. THE SCE SUBSTATION ADJOINING THE SUBJECT PROPERTY IS VISIBLE TO THE LEFT.



PHOTOGRAPH 24 – STORM DRAIN CHANNEL ON THE SOUTHWEST CORNER OF THE SOUTHEAST PORTION OF THE SUBJECT PROPERTY WITH SIGNAGE INDICATING "STORMWATER SAMPLING SITE D-1".

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PHOTOGRAPH 25 – FACING WEST ALONG THE DRIVEWAY EXTENDING EAST TO WEST FROM THE ENTRANCE TO THE ASTS IN THE SOUTHWESTERN PORTION OF THE SUBJECT PROPERTY.



PHOTOGRAPH 26 – FORMER ASPHALT-PAVED CARPORT IN THE SOUTHERN PORTION OF THE SUBJECT PROPERTY.

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PHOTOGRAPH 27 – FORMER VAULT IN SOUTH PERIMETER IN THE FORMER CARPORT AREA.



PHOTOGRAPH 28 – FORMER VAULT IN SOUTH PERIMETER NEAR THE FORMER CARPORT AREA

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PHOTOGRAPH 29 – FORMER DRAIN GRATE IN THE NORTHEAST CORNER OF THE FORMER CARPORT.



PHOTOGRAPH 30 – RECLAMATION WATER VAULT IN THE NORTHEAST CORNER OF THE FORMER CARPORT.

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PHOTOGRAPH 31 – FORMER HAZARDOUS WASTE ACCUMULATION AREA EAST OF CHADWICK CHANNEL ON THE SOUTHERN PORTION OF THE SUBJECT PROPERTY.



PHOTOGRAPH 32 – FACING SOUTHWEST OVER THE FORMER HAZARDOUS WASTE AREA.

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PHOTOGRAPH 33 – SOUTHERN CALIFORNIA EDISON VAULT SOUTH OF THE SUBJECT PROPERTY (FILLED WITH CLEAR LIQUID LIKELY WATER).



PHOTOGRAPH 34 – FACING SOUTH ALONG CHADWICK CHANNEL EXTENDING OFF THE SUBJECT PRIORITY TO THE SOUTH.

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PHOTOGRAPH 35 – FACING NORTH ALONG CHADWICK CHANNEL FROM THE SOUTHERN BOUNDARY OF THE SUBJECT PROPERTY.



PHOTOGRAPH 36 – ASTS IN BERMED AREA ADJOINING SOUTH OF THE SUBJECT PROPERTY. A VAULT IS PRESENT IN THE FOREGROUND.

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PHOTOGRAPH 37 – PARTIALLY BURIED STORM DRAIN ON SOUTH PORTION OF THE SUBJECT PROPERTY WEST OF THE CHADWICK CHANNEL



PHOTOGRAPH 38 – BRIDGE RAMP ON THE SOUTHWESTERN CORNER NEAR CHADWICK CHANNEL, EAST OF THE ASTS IN THE SOUTHWEST PORTION OF THE SUBJECT PROPERTY.

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PHOTOGRAPH 39 – FACING WEST-NORTHWEST ACROSS THE SOUTHWEST PORTION OF THE SUBJECT PROPERTY. TWO LARGE WATER ASTS ARE PRESENT IN THE SOUTHWEST PORTION OF THE SUBJECT PROPERTY. FORMER PIPING AND PUMPING AREA SHOWN ON LEFT SIDE OF PHOTOGRAPH.



PHOTOGRAPH 40 – FACING WEST ALONG SOUTHERN BOUNDARY OF THE SOUTHWESTERN PORTION OF THE SUBJECT PROPERTY. THE FORMER PRIMARY FUEL PUMPING AREA IS PRESENT IN BACKGROUND. THE ASTS IN THE SOUTHWESTERN PORTION OF THE SUBJECT PROPERTY ARE ON THE RIGHT AND THE ADJOINING SCE RANCHO VISTA SUBSTATION IS ON THE LEFT.

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PHOTOGRAPH 41 – FACING SOUTHWEST ACROSS EASTERN AST TANK CONTAINMENT AREA.



PHOTOGRAPH 42 – FACING WEST ALONG THE NORTHERN BOUNDARY OF THE EASTERN AST CONTAINMENT AREA.

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PHOTOGRAPH 43 – FACING SOUTH-SOUTHEAST ACROSS THE WESTERN AST CONTAINMENT AREA.



PHOTOGRAPH 44 – FACING SOUTH ACROSS THE EASTERN PORTION OF THE WESTERN AST CONTAINMENT AREA.

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PHOTOGRAPH 45 – FACING SOUTH ACROSS WESTERN SIDE OF EASTERN AST TANK CONTAINMENT AREA.



PHOTOGRAPH 46 – FACING EAST-SOUTHEAST ACROSS THE NORTHERN PORTION OF THE EASTERN AST CONTAINMENT AREA.

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PHOTOGRAPH 47 – FACING EAST ALONG AST CONTAINMENT AREA. FORMER EQUIPMENT PAD IN CENTER.



PHOTOGRAPH 48 – FACING NORTHEAST ACROSS THE SUBJECT PROPERTY.

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PHOTOGRAPH 49 – INTERIOR VIEW OF THE CONTAINMENT BASIN OF THE WATER ASTS IN THE SOUTHWEST PORTION OF THE SUBJECT PROPERTY. THE EASTERN AST IS ON THE RIGHT. SMALLER ASTS ON ADJOINING PROPERTY TO THE SOUTH ARE IN BACKGROUND ON LEFT.



PHOTOGRAPH 50 – FIRE HYDRANT IN THE NORTHWEST AREA OF THE TANK FARM.

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PHOTOGRAPH 51 – FORMER FLUME/SLUDGE BASIN FOR THE FORMER UNIT 1 AND 2 COOLING TOWERS. LOCATED SOUTH OF THE STOCKPILES AND NORTH OF THE AST TANK FARM.



PHOTOGRAPH 52 – EAST END OF FORMER FLUME/SLUDGE BASIN FOR THE FORMER UNIT 1 AND 2 COOLING TOWERS. STOCKPILE IN BACKGROUND ON LEFT.

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PHOTOGRAPH 53 – FACING SOUTHWEST FROM NORTHWEST CORNER OF SUBJECT PROPERTY TOWARDS FORMER LANDFILL EXCAVATION.



PHOTOGRAPH 54 – STORM DRAINS UNDERNEATH RAILROAD TRACKS FROM ADJOINING PROPERTIES TO THE NORTH.

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PHOTOGRAPH 55 – FACING EAST TOWARDS STOCKPILES. CONCRETE AND ASPHALT STOCKPILES (LEFT) AND CONCRETE WITH REBAR, PIPES, AND BOLLARD PILES (RIGHT) IN THE NORTHWEST CORNER OF THE SUBJECT PROPERTY.



PHOTOGRAPH 56 – STOCKPILES IN THE NORTHWEST PORTION OF THE SUBJECT PROPERTY.

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PHOTOGRAPH 57 – FACING EAST ALONG FORMER COOLING TOWER EXCAVATION ON THE NORTHERN PORTION OF THE SUBJECT PROPERTY LOCATED NORTH OF THE STOCKPILES



PHOTOGRAPH 58 – FIBER OPTIC PIPELINE MARKER ON THE NORTH EXTERIOR OF THE SUBJECT PROPERTY ALONG RAILROAD RIGHT-OF-WAY.

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PHOTOGRAPH 61 – OVERVIEW OF THE FORMER GENERATING UNITS 3 AND 4 AREA IN THE CENTRAL PORTION OF THE SUBJECT PROPERTY LOOKING EAST.



PHOTOGRAPH 62 – FACING EAST ALONG THE FORMER COOLING TOWER EXCAVATION AREA IN THE NORTH PORTION OF THE SUBJECT PROPERTY. LOCATED WEST OF THE RESERVOIR.

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PHOTOGRAPH 68 – THE FORMER UNIT 2 CONDENSATION PIT.

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PHOTOGRAPH 69 – THE FORMER UNIT 1 CONDENSATION PIT.



PHOTOGRAPH 70 – MANHOLE NORTHWEST OF THE PCB-IMPACTED AREA.

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PHOTOGRAPH 81 – FACING NORTHEAST ACROSS EASTERN PORTION OF UNITS 1 AND 2 BUILDING PAD.

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PHOTOGRAPH 82 – EQUIPMENT PAD AND WIRES SOUTHWEST OF THE PCB-IMPACTED AREA.



PHOTOGRAPH 83 – FACING WEST ACROSS THE FORMER UNITS 1 AND 2 BUILDING PAD. DARK-COLORED SOIL IN THE EAST CORNER OF THE BUILDING PAD.

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PHOTOGRAPH 84 – VAULT TO THE EAST OF THE UNITS 1 AND 2 BUILDING PAD..



PHOTOGRAPH 85 – GRATE TO THE EAST OF THE UNIT 1 AND 2 BUILDING PAD.

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PHOTOGRAPH 86 – BOLLARD AND ASPHALT DEBRIS EAST OF TO THE EAST OF THE UNITS 1 AND 2 BUILDING PAD.



PHOTOGRAPH 87 – FORMER FIRE PUMP STATION AND MANHOLE TO THE EAST OF THE UNITS 1 AND 2 BUILDING PAD.

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PHOTOGRAPH 88 – FACING SOUTHEAST ACROSS AREA SOUTH OF THE NORTHEAST RESERVOIR (THE FORMER PEAKER UNIT 5 LOCATION).



PHOTOGRAPH 89– LOW POINT COLLECTION AREA OF THE NORTHEAST RESERVOIR.

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PHOTOGRAPH 91 – MWD VAULT IN THE MEDIAN OF THE DRIVEWAY ENTERING THE SUBJECT PROPERTY FROM ETIWANDA AVENUE AND NAPA STREET..

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PHOTOGRAPH 92 – NORTH ADJACENT PROPERTY CENTRAL TRANSPORT.



PHOTOGRAPH 93 – NORTHWEST ADJACENT PROPERTY (FORMER TAMCO STEEL MILL). AN ELECTRICAL SUBSTATION IS VISIBLE ON THE NORTH SIDE OF THE RAILROAD TRACKS.

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PHOTOGRAPH 95 – EAST ADJACENT PROPERTY - VACANT LAND AND THEN AGUILAR WAREHOUSE IN THE BACKGROUND ON THE LEFT AND NEW WAREHOUSE CONSTRUCTION (IN BACKGROUND ON THE RIGHT).

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PHOTOGRAPH 97 – SOUTH ADJOINING PROPERTY SCE SUBSTATION

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PHOTOGRAPH 98 – SOUTHEAST ADJOINING PROPERTY VEHICLE PARKING AND POWER TRANSMISSION LINES FOR ADJOINING SUBSTATION



PHOTOGRAPH 99 – WEST ADJACENT PROPERTY SCE BESS SEPARATOR

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APPENDIX A
Statement of Qualifications

STATEMENT OF QUALIFICATIONS

We declare that to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all-appropriate inquiries in conformance with the standards and practices set forth in CFR Part 312.

_____
Lindsey Dandridge-Perry
Senior Professional

_____
Lizanne Simmons, PG 7431
Senior Principal Geologist

The resumes of above-listed environmental professionals performing this Phase I ESA are on file at the Kleinfelder office and are available on request.

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APPENDIX B
Regulatory Agency Database Report

APN 22928379
APN 22928379
Rancho Cucamonga, CA 91739

Inquiry Number: 7438580.1s
September 07, 2023

The EDR Radius Map™ Report with GeoCheck®

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

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

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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 (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

APN 22928379
RANCHO CUCAMONGA, CA 91739

COORDINATES

Latitude (North):	34.0911400 - 34˚ 5' 28.10''
Longitude (West):	117.5276790 - 117˚ 31' 39.64''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	451320.8
UTM Y (Meters):	3772192.5
Elevation:	1123 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12015973 GUASTI, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200423
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
APN 22928379
RANCHO CUCAMONGA, CA 91739

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	CALIFORNIA HOME BRAN	8930 ETIWANDA AVE	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Lower	28, 0.005, ENE
B2	NRG CALIFORNIA SOUTH	8996 ETIWANDA AVE	AST, SWEEPS UST, HIST UST, CHMIRS, EMI, NPDES,...	Lower	30, 0.006, East
B3	ETIWANDA LAUNCHER FA	8996 ETIWANDA AVE	HIST UST	Lower	30, 0.006, East
B4	ETIWANDA GENERATING	8996 ETIWANDA AVE	RCRA-LQG, TSCA, FINDS, ECHO	Lower	30, 0.006, East
B5	GENERATING STATION,E	8996 ETIWANDA AVENUE	WMUDS/SWAT, CHMIRS	Lower	30, 0.006, East
B6	NRG ENERGY INC	8996 ETIWANDA AVENUE	CHMIRS, LDS, NPDES, San Bern. Co. Permit, CIWQS,...	Lower	30, 0.006, East
B7	SOUTHERN CALIFORNIA	8998 ETIWANDA AVENUE	ENVIROSTOR, San Bern. Co. Permit	Lower	30, 0.006, East
B8	EPTC ETIWANDA	8998 ETIWANDA AVE	CORRACTS, RCRA NonGen / NLR	Lower	30, 0.006, East
B9	ETIWANDA PUMPING STA	8998 ETIWANDA AVE	HWP, HAZNET, HWTS	Lower	30, 0.006, East
B10	SCE ETIWANDA SWITCHY	9000 ETIWANDA AVE	AST, San Bern. Co. Permit, CERS	Lower	30, 0.006, East
B11	CHB FOODS INC		PFAS ECHO	Lower	52, 0.010, East
B12	VERIZON WIRELESS: CO	9039 ETIWANDA AVE	San Bern. Co. Permit	Lower	74, 0.014, ESE
A13	ALL STATE PAPER & ME	8889 ETIWANDA AVE	NPDES, San Bern. Co. Permit	Lower	113, 0.021, ENE
C14	SA RECYCLING	8822 ETIWANDA AVE	RCRA NonGen / NLR	Higher	248, 0.047, NE
C15	SIMSMETAL AMERICA	8822 ETIWANDA AVE	RCRA-SQG, SWEEPS UST, HIST UST, FINDS, ECHO, EMI,...	Higher	248, 0.047, NE
C16	DP ETIWANDA	8822 ETIWANDA AVE	RCRA-LQG	Higher	248, 0.047, NE
C17	DP ETIWANDA	8822 ETIWANDA AVENUE	ENVIROSTOR, VCP, DEED, CHMIRS, EMI, HAZNET, NPDES,...	Higher	248, 0.047, NE
C18	DP ETIWANDA	8822 ETIWANDA AVENUE	RCRA-SQG	Higher	248, 0.047, NE
C19	SA RECYCLING	8822 ETIWANDA AVE	AST, HAZNET, CIWQS, HWTS	Higher	248, 0.047, NE
C20	BERNELL HYDRAULICS,	8810 ETIWANDA AVENUE	RCRA NonGen / NLR	Higher	258, 0.049, NE
C21	BERNELL HYDRAULICS I	8810 ETIWANDA AVENUE	RCRA-SQG, FINDS, ECHO	Higher	258, 0.049, NE
C22	BERNELL HYDRAULICS I	8810 ETIWANDA AVE	RCRA NonGen / NLR	Higher	258, 0.049, NE
C23	BERNELL HYDRAULICS	8810 ETIWANDA AVENUE	ENVIROSTOR, AST, VCP, CERS HAZ WASTE, CERS TANKS,...	Higher	258, 0.049, NE
C24	BERNELL HYDRAULICS I		PFAS ECHO	Higher	259, 0.049, NE
D25	SOUTHERN CALIFORNIA	8949 ETIWANDA AVE	RCRA NonGen / NLR	Lower	386, 0.073, East
D26	ALL STATE RECYCLING	8949 ETIWANDA AVENUE	CPS-SLIC, CERS	Lower	386, 0.073, East
E27	YAQUIS TRUCK REPAIR	8821 ETIWANDA AVE	RCRA NonGen / NLR	Higher	409, 0.077, ENE
E28	A G TRANSPORT	8821 ETIWANDA	San Bern. Co. Permit	Higher	409, 0.077, ENE
E29	BERNELL HYDRAULICS I	8821 ETIWANDA AVE	RCRA-SQG, FINDS, ECHO, HAZNET, NPDES, CIWQS, CERS,...	Higher	409, 0.077, ENE
30	TAMCO	12459 B ARROW ROUTE	SEMS-ARCHIVE, RCRA-SQG, ENVIROSTOR, LUST,...	Higher	543, 0.103, NW
F31	KAISER STEEL CORP	9400 ETIWANDA AVE	CA FID UST	Lower	715, 0.135, SSE
F32	KAISER STEEL CORPORA	9401 ETIWANDA AVE	SWEEPS UST, CA FID UST	Lower	715, 0.135, SSE
F33	NEXTEL COMMUNICATION	ETIWANDA AVE & 6TH S	San Bern. Co. Permit	Lower	716, 0.136, SSE
G34	I.E.U.A. PLANT #4	12811 6TH ST	UST	Lower	786, 0.149, SSE
G35	IEUA REGIONAL PLANT	12811 6TH ST	AST, CERS HAZ WASTE, CERS TANKS, CHMIRS, San Bern....	Lower	786, 0.149, SSE
G36	INLAND EMPIRE UTIL A	12811 6TH ST	RCRA NonGen / NLR	Lower	786, 0.149, SSE
G37	IEUA REGIONAL PLANT	12811 SIXTH STREET	PFAS	Lower	786, 0.149, SSE
H38	CHAPARRAL TRUCKING	8729 ETIWANDA	RCRA NonGen / NLR, FINDS, ECHO	Higher	840, 0.159, NE
H39	GEORGIA-PACIFIC	8688 ETIWANDA AVENUE	RCRA NonGen / NLR	Higher	1108, 0.210, NE

MAPPED SITES SUMMARY

Target Property Address:
APN 22928379
RANCHO CUCAMONGA, CA 91739

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
H40	GEORGIA PACIFIC	8688 ETIWANDA AVE	RCRA NonGen / NLR	Higher	1108, 0.210, NE
H41	NATIONAL DISTRIBUTIO	8688 ETIWAND AVE	NPDES, San Bern. Co. Permit, CERS	Higher	1108, 0.210, NE
H42	NATIONAL DISTRIBUTIO	8688 ETIWANDA AVE	RCRA NonGen / NLR	Higher	1108, 0.210, NE
H43	UFP INDUSTRIAL, LLP	8685 ETIWANDA AVE	HAULERS, San Bern. Co. Permit, CERS	Higher	1122, 0.213, NE
H44	UFP INDUSTRIAL LLC D	8685 ETIWANDA AVE	RCRA NonGen / NLR	Higher	1122, 0.213, NE
I45	IVP INC DBA V&L REPA	13053 WHITTRAM AVENU	CERS HAZ WASTE, NPDES, San Bern. Co. Permit, CERS	Higher	1180, 0.223, ENE
I46	IVP INC DBA V & L RE	13053 WHITTRAN	RCRA NonGen / NLR	Higher	1180, 0.223, ENE
J47	CAL HOME BRANDS, C-H	8939 ETIWANDA AV	HIST UST, EMI	Lower	1215, 0.230, East
J48	NATIONAL CAN CORP	8939 ETIWANDA AVE	RCRA-SQG	Lower	1215, 0.230, East
J49	STERLING CAN	8939 ETIWANDA AVENUE	CPS-SLIC	Lower	1215, 0.230, East
J50	STERLING CAN	8939 ETIWANDA AVENUE	CPS-SLIC, CERS	Lower	1215, 0.230, East
I51	TRINITY EQUIPMENT RE	13052 WHITTRAM AVE	RCRA NonGen / NLR	Higher	1251, 0.237, ENE
K52	INLAND EMPIRE REGION		LOS ANGELES CO LF METHANE	Lower	1276, 0.242, SSW
K53	INLAND EMPIRE REGION	12645 6TH ST	AST, CERS HAZ WASTE, CERS TANKS, San Bern. Co....	Lower	1316, 0.249, SSW
K54	INLAND EMPIRE REGION	12645 6TH ST	RCRA NonGen / NLR	Lower	1316, 0.249, SSW
K55	INLAND EMPIRE REGION	12645 SIXTH STREET	SWF/LF	Lower	1316, 0.249, SSW
K56	INLAND EMPIRE REGION	12645 6TH ST.	SWF/LF, HAZNET, HWTS	Lower	1316, 0.249, SSW
I57	PACIFIC RECYCLING EN	13012 WITTRAM AVE.	SEMS-ARCHIVE	Higher	1317, 0.249, ENE
58	VILLA PARK LANDSCAPE	13109 WHITTRAM AVE.	SWF/LF	Higher	1694, 0.321, ENE
59	GOODMAN LOGISTICS CE	12455 ARROW ROUTE	WMUDS/SWAT, HIST UST, DEED, CHMIRS, LDS, ENF, San...	Higher	1885, 0.357, North
60	SOIL TREATMENT, RANC	12167 ARROW ROUTE	WMUDS/SWAT	Higher	2087, 0.395, WNW
61	FOSECO CUCAMONGA	7TH ST OFF ROCHESTER	SEMS-ARCHIVE, RCRA-SQG, ENVIROSTOR, HIST UST	Lower	2216, 0.420, WSW
L62	BTC III ARROW ROUTE	12451 ARROW ROUTE	ENVIROSTOR, VCP, NPDES, San Bern. Co. Permit,...	Higher	2333, 0.442, NW
M63	TAMCO	12549 ARROW HIGHWAY	ENVIROSTOR	Higher	2338, 0.443, NNW
L64	TI WIRE	12459 ARROW ROUTE	LUST, AST, CHMIRS, NPDES, San Bern. Co. Permit,...	Higher	2368, 0.448, NNW
L65	AMERON STEEL AND WIR	12459 ARROW HWY	LUST, Cortese	Higher	2397, 0.454, NNW
L66	AMERON STEEL AND WIR	12459 ETIWANDA	HIST CORTESE	Higher	2410, 0.456, NNW
M67	AIR LIQUIDE	12550 ARROW RTE	LUST, Cortese	Higher	2416, 0.458, NNW
M68	AIR LIQUIDE	12550 ARROW RT	HIST CORTESE	Higher	2416, 0.458, NNW
M69	AIR LIQUIDE	12550 ARROW RTE	LUST, AST, NPDES, San Bern. Co. Permit, CIWQS,...	Higher	2416, 0.458, NNW
70	VISTA METALS CORP.	13425 WHITTRAM AVENU	ENVIROSTOR, UST, AST, CERS HAZ WASTE, SWEEPS UST,..	Higher	3547, 0.672, ENE
N71	KAISER SHELL CASING		FUDS	Lower	3919, 0.742, SSE
N72	KAISER SHELL CASING		ENVIROSTOR	Lower	3920, 0.742, SSE
N73	NIRP TAYLOR FORGE LA		ENVIROSTOR	Lower	3920, 0.742, SSE
O74	WORLD OIL ENVIRONMEN	13579 WHITTRAM AVENU	CORRACTS, RCRA-TSDF, RCRA NonGen / NLR, US FIN...	Higher	4795, 0.908, ENE
O75	BASE OIL SERVICE	13579 WHITTRAM	ENVIROSTOR, SWEEPS UST, CA FID UST, EMI, ICE,...	Higher	4795, 0.908, ENE
P76	CHEMWEST IND INC	13425 SAN BERNARDINO	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-SQG, US...	Lower	4879, 0.924, SE
P77	CHEMWEST INDUSTRIES	13425 SAN BERNARDINO	ENVIROSTOR, CPS-SLIC, WMUDS/SWAT, HIST UST, DEED,..	Lower	4879, 0.924, SE
P78	CHEMWEST INDUSTRIES	13425 SAN BERNARDINO	Toxic Pits	Lower	4879, 0.924, SE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

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

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

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

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS ---------- Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ---------- State Response Sites

EXECUTIVE SUMMARY

Lists of state and tribal leaking storage tanks

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

Lists of state and tribal registered storage tanks

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

Lists of state and tribal voluntary cleanup sites

INDIAN VCP---------- Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

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

Local Land Records

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

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
SPILLS 90---------- SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOD---------- Department of Defense Sites

EXECUTIVE SUMMARY

SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
ECHO	Enforcement & Compliance History Information
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
AQUEOUS FOAM	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	Inspection, Compliance and Enforcement
HWT	Registered Hazardous Waste Transporter Database
HAZNET	Facility and Manifest Data

MINES Mines Site Location Listing
MWMP Medical Waste Management Program Listing
NPDES NPDES Permits Listing
PEST LIC Pesticide Regulation Licenses Listing
PROC Certified Processors Database
Notify 65 Proposition 65 Records
HAZMAT Hazardous Material Facilities
UIC UIC Listing
UIC GEO UIC GEO (GEOTRACKER)
WASTEWATER PITS Oil Wastewater Pits Listing
WDS Waste Discharge System
WIP Well Investigation Program Case List
MILITARY PRIV SITES MILITARY PRIV SITES (GEOTRACKER)
PROJECT PROJECT (GEOTRACKER)
WDR Waste Discharge Requirements Listing
CIWQS California Integrated Water Quality System
CERS CERS
NON-CASE INFO NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ Well Stimulation Project (GEOTRACKER)
MINES MRDS Mineral Resources Data System
BIOSOLIDS ICIS-NPDES Biosolids Facility Data
HWTS Hazardous Waste Tracking System
PFAS TRIS List of PFAS Added to the TRI

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants
EDR Hist Auto EDR Exclusive Historical Auto Stations
EDR Hist Cleaner EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 06/22/2023 has revealed that there are 3 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TAMCO Site ID: 0904936 EPA Id: CAD982361404	***12459 B ARROW ROUTE***	***NW 0 - 1/8 (0.103 mi.)***	***30***	***258***
PACIFIC RECYCLING EN Site ID: 0904783 EPA Id: CAD983659970	13012 WITTRAM AVE.	ENE 1/8 - 1/4 (0.249 mi.)	I57	405

Lower Elevation	Address	Direction / Distance	Map ID	Page
FOSECO CUCAMONGA Site ID: 0901435 EPA Id: CAD053844395	***7TH ST OFF ROCHESTER***	***WSW 1/4 - 1/2 (0.420 mi.)***	***61***	***425***

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 07/24/2023 has revealed that there are 3 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WORLD OIL ENVIRONMEN EPA ID:: CAT080025711	***13579 WHITTRAM AVENU***	***ENE 1/2 - 1 (0.908 mi.)***	***O74***	***571***

Lower Elevation	Address	Direction / Distance	Map ID	Page
EPTC ETIWANDA	***8998 ETIWANDA AVE***	***E 0 - 1/8 (0.006 mi.)***	***B8***	***91***
CHEMWEST IND INC	***13425 SAN BERNARDINO***	***SE 1/2 - 1 (0.924 mi.)***	***P76***	***723***

EPA ID:: CAD040520975

Lists of Federal RCRA generators

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

A review of the RCRA-LQG list, as provided by EDR, and dated 07/24/2023 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DP ETIWANDA EPA ID:: CAP000290510	8822 ETIWANDA AVE	NE 0 - 1/8 (0.047 mi.)	C16	137

Lower Elevation	Address	Direction / Distance	Map ID	Page
ETIWANDA GENERATING EPA ID:: CAR000038158	***8996 ETIWANDA AVE***	***E 0 - 1/8 (0.006 mi.)***	***B4***	***48***

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

A review of the RCRA-SQG list, as provided by EDR, and dated 07/24/2023 has revealed that there are 7 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SIMSMETAL AMERICA EPA ID:: CAD981368228	***8822 ETIWANDA AVE***	***NE 0 - 1/8 (0.047 mi.)***	***C15***	***122***
DP ETIWANDA EPA ID:: CAP000332783	8822 ETIWANDA AVENUE	NE 0 - 1/8 (0.047 mi.)	C18	162
BERNELL HYDRAULICS I EPA ID:: CAR000076950	***8810 ETIWANDA AVENUE***	***NE 0 - 1/8 (0.049 mi.)***	***C21***	***194***
BERNELL HYDRAULICS I EPA ID:: CAR000070748	***8821 ETIWANDA AVE***	***ENE 0 - 1/8 (0.077 mi.)***	***E29***	***240***
TAMCO EPA ID:: CAD982361404	***12459 B ARROW ROUTE***	***NW 0 - 1/8 (0.103 mi.)***	***30***	***258***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CALIFORNIA HOME BRAN EPA ID:: CAD981399843	***8930 ETIWANDA AVE***	***ENE 0 - 1/8 (0.005 mi.)***	***A1***	***9***
NATIONAL CAN CORP	8939 ETIWANDA AVE	E 1/8 - 1/4 (0.230 mi.)	J48	367

EXECUTIVE SUMMARY

EPA ID:: CAD041580945

Lists of state- and tribal hazardous waste facilities

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/24/2023 has revealed that there are 12 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DP ETIWANDA Facility Id: 60002634 Status: Certified O&M - Land Use Restrictions Only	***8822 ETIWANDA AVENUE***	***NE 0 - 1/8 (0.047 mi.)***	***C17***	***139***
BERNELL HYDRAULICS Facility Id: 60003183 Status: Active	***8810 ETIWANDA AVENUE***	***NE 0 - 1/8 (0.049 mi.)***	***C23***	***199***
TAMCO Facility Id: 36340064 Status: No Further Action	***12459 B ARROW ROUTE***	***NW 0 - 1/8 (0.103 mi.)***	***30***	***258***
BTC III ARROW ROUTE Facility Id: 36340066 Status: Active	***12451 ARROW ROUTE***	***NW 1/4 - 1/2 (0.442 mi.)***	***L62***	***431***
TAMCO Facility Id: 36330050 Status: Refer: Other Agency	12549 ARROW HIGHWAY	NNW 1/4 - 1/2 (0.443 mi.)	M63	439
VISTA METALS CORP. Facility Id: 36340036 Status: Refer: Other Agency	***13425 WHITTRAM AVENU***	***ENE 1/2 - 1 (0.672 mi.)***	***70***	***465***
BASE OIL SERVICE Facility Id: 80001853 Status: Active	***13579 WHITTRAM***	***ENE 1/2 - 1 (0.908 mi.)***	***O75***	***709***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA Facility Id: 60001192 Status: Active	***8998 ETIWANDA AVENUE***	***E 0 - 1/8 (0.006 mi.)***	***B7***	***88***
FOSECO CUCAMONGA Facility Id: 36280006 Status: Refer: Other Agency	***7TH ST OFF ROCHESTER***	***WSW 1/4 - 1/2 (0.420 mi.)***	***61***	***425***
KAISER SHELL CASING		SSE 1/2 - 1 (0.742 mi.)	N72	569

Facility Id: 80000271
Status: No Further Action

NIRP TAYLOR FORGE LA — SSE 1/2 - 1 (0.742 mi.) — N73 — 570
Facility Id: 80000675
Status: No Further Action

CHEMWEST INDUSTRIES — 13425 SAN BERNARDINO — SE 1/2 - 1 (0.924 mi.) — P77 — 772
Facility Id: 80001364
Facility Id: 36280139
Status: Certified / Operation & Maintenance
Status: Refer: RCRA

Lists of state and tribal landfills and solid waste disposal facilities

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, has revealed that there are 3 SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VILLA PARK LANDSCAPE	13109 WHITTRAM AVE.	ENE 1/4 - 1/2 (0.321 mi.)	58	406
Database: SWF/LF (SWIS), Date of Government Version: 05/08/2023 Facility ID: 36-AA-0473 Operational Status: Active Regulation Status: Notification				

Lower Elevation	Address	Direction / Distance	Map ID	Page
INLAND EMPIRE REGION	12645 SIXTH STREET	SSW 1/8 - 1/4 (0.249 mi.)	K55	382
Database: SWF/LF (SWIS), Date of Government Version: 05/08/2023 Facility ID: 36-AA-0423 Operational Status: Active Regulation Status: Notification				
INLAND EMPIRE REGION	***12645 6TH ST.***	***SSW 1/8 - 1/4 (0.249 mi.)***	***K56***	***385***
Database: LOS ANGELES CO. LF, Date of Government Version: 04/10/2023 Site ID: 2733 Status: Active				

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 5 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TAMCO	***12459 B ARROW ROUTE***	***NW 0 - 1/8 (0.103 mi.)***	***30***	***258***
Database: LUST REG 8, Date of Government Version: 02/14/2005 Global ID: T0607100309 Facility Status: Case Closed				
TI WIRE	***12459 ARROW ROUTE***	***NNW 1/4 - 1/2 (0.448 mi.)***	***L64***	***440***
Database: LUST, Date of Government Version: 06/05/2023 Status: Completed - Case Closed Global Id: T0607100309				
AMERON STEEL AND WIR	***12459 ARROW HWY***	***NNW 1/4 - 1/2 (0.454 mi.)***	***L65***	***453***
Database: LUST REG 8, Date of Government Version: 02/14/2005 Global ID: T0607100046 Facility Status: Case Closed				
AIR LIQUIDE	***12550 ARROW RTE***	***NNW 1/4 - 1/2 (0.458 mi.)***	***M67***	***455***
Database: LUST REG 8, Date of Government Version: 02/14/2005 Global ID: T0607100393 Facility Status: Case Closed				
AIR LIQUIDE	***12550 ARROW RTE***	***NNW 1/4 - 1/2 (0.458 mi.)***	***M69***	***457***
Database: LUST, Date of Government Version: 06/05/2023 Status: Completed - Case Closed Global Id: T0607100393				

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 4 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TAMCO	***12459 B ARROW ROUTE***	***NW 0 - 1/8 (0.103 mi.)***	***30***	***258***
Database: SLIC REG 8, Date of Government Version: 04/03/2008 Database: CPS-SLIC, Date of Government Version: 06/05/2023 Facility Status: Completed - Case Closed Global Id: SLT8R1914124 Facility Status: Closed				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALL STATE RECYCLING	***8949 ETIWANDA AVENUE***	***E 0 - 1/8 (0.073 mi.)***	***D26***	***235***
Database: CPS-SLIC, Date of Government Version: 06/05/2023 Facility Status: Completed - Case Closed Global Id: T10000004163				
STERLING CAN	8939 ETIWANDA AVENUE	E 1/8 - 1/4 (0.230 mi.)	J49	369
Database: CPS-SLIC, Date of Government Version: 06/05/2023 Facility Status: Completed - Case Closed Global Id: SLT8R1864120				
STERLING CAN	***8939 ETIWANDA AVENUE***	***E 1/8 - 1/4 (0.230 mi.)***	***J50***	***370***
Database: SLIC REG 8, Date of Government Version: 04/03/2008				

Facility Status: Closed

Lists of state and tribal registered storage tanks

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

A review of the UST list, as provided by EDR, has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TAMCO	***12459 B ARROW ROUTE***	***NW 0 - 1/8 (0.103 mi.)***	***30***	***258***
Database: UST, Date of Government Version: 06/05/2023 Facility Id: 86008874				

Lower Elevation	Address	Direction / Distance	Map ID	Page
I.E.U.A. PLANT #4	12811 6TH ST	SSE 1/8 - 1/4 (0.149 mi.)	G34	310
Database: UST, Date of Government Version: 06/05/2023 Facility Id: 97045697				

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

A review of the AST list, as provided by EDR, has revealed that there are 6 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SA RECYCLING	***8822 ETIWANDA AVE***	***NE 0 - 1/8 (0.047 mi.)***	***C19***	***164***
Database: AST, Date of Government Version: 07/06/2016				
BERNELL HYDRAULICS	***8810 ETIWANDA AVENUE***	***NE 0 - 1/8 (0.049 mi.)***	***C23***	***199***
Database: AST, Date of Government Version: 07/06/2016				

Lower Elevation	Address	Direction / Distance	Map ID	Page
NRG CALIFORNIA SOUTH	***8996 ETIWANDA AVE***	***E 0 - 1/8 (0.006 mi.)***	***B2***	***23***
Database: AST, Date of Government Version: 07/06/2016				
SCE ETIWANDA SWITCHY	***9000 ETIWANDA AVE***	***E 0 - 1/8 (0.006 mi.)***	***B10***	***110***
Database: AST, Date of Government Version: 07/06/2016				
IEUA REGIONAL PLANT	***12811 6TH ST***	***SSE 1/8 - 1/4 (0.149 mi.)***	***G35***	***311***
Database: AST, Date of Government Version: 07/06/2016				
INLAND EMPIRE REGION	***12645 6TH ST***	***SSW 1/8 - 1/4 (0.249 mi.)***	***K53***	***373***
Database: AST, Date of Government Version: 07/06/2016				

Lists of 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 04/24/2023 has revealed that there are 4 VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DP ETIWANDA Status: Certified O&M - Land Use Restrictions Only Facility Id: 60002634	***8822 ETIWANDA AVENUE***	***NE 0 - 1/8 (0.047 mi.)***	***C17***	***139***
BERNELL HYDRAULICS Status: Active Facility Id: 60003183	***8810 ETIWANDA AVENUE***	***NE 0 - 1/8 (0.049 mi.)***	***C23***	***199***
TAMCO Status: No Further Action Facility Id: 36340064	***12459 B ARROW ROUTE***	***NW 0 - 1/8 (0.103 mi.)***	***30***	***258***
BTC III ARROW ROUTE Status: Active Facility Id: 36340066	***12451 ARROW ROUTE***	***NW 1/4 - 1/2 (0.442 mi.)***	***L62***	***431***

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.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GOODMAN LOGISTICS CE	***12455 ARROW ROUTE***	***N 1/4 - 1/2 (0.357 mi.)***	***59***	***409***
SOIL TREATMENT, RANC	12167 ARROW ROUTE	WNW 1/4 - 1/2 (0.395 mi.)	60	424

Lower Elevation	Address	Direction / Distance	Map ID	Page
GENERATING STATION,E	***8996 ETIWANDA AVENUE***	***E 0 - 1/8 (0.006 mi.)***	***B5***	***65***

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 04/17/2023 has revealed that there

are 5 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BERNELL HYDRAULICS	*8810 ETIWANDA AVENUE*	*NE 0 - 1/8 (0.049 mi.)*	*C23*	*199*
TAMCO	*12459 B ARROW ROUTE*	*NW 0 - 1/8 (0.103 mi.)*	*30*	*258*
IVP INC DBA V&L REPA	*13053 WHITTRAM AVENU*	*ENE 1/8 - 1/4 (0.223 mi.)*	*I45*	*352*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
IEUA REGIONAL PLANT	*12811 6TH ST*	*SSE 1/8 - 1/4 (0.149 mi.)*	*G35*	*311*
INLAND EMPIRE REGION	*12645 6TH ST*	*SSW 1/8 - 1/4 (0.249 mi.)*	*K53*	*373*

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.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEMWEST INDUSTRIES Closure Date: 06/28/90 Task #: 88001 Status: CLOSED	13425 SAN BERNARDINO	SE 1/2 - 1 (0.924 mi.)	P78	786

Local Lists of Registered Storage Tanks

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

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 4 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SIMSMETAL AMERICA Status: A Tank Status: A Comp Number: 54331	*8822 ETIWANDA AVE*	*NE 0 - 1/8 (0.047 mi.)*	*C15*	*122*
TAMCO Status: A Tank Status: A Comp Number: 8874	*12459 B ARROW ROUTE*	*NW 0 - 1/8 (0.103 mi.)*	*30*	*258*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
NRG CALIFORNIA SOUTH Status: A Tank Status: A	*8996 ETIWANDA AVE*	*E 0 - 1/8 (0.006 mi.)*	*B2*	*23*

Comp Number: 60030				
KAISER STEEL CORPORA	***9401 ETIWANDA AVE***	***SSE 1/8 - 1/4 (0.135 mi.)***	***F32***	***302***
Comp Number: 43365				

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 5 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SIMSMETAL AMERICA	***8822 ETIWANDA AVE***	***NE 0 - 1/8 (0.047 mi.)***	***C15***	***122***
Facility Id: 00000054331				
TAMCO	***12459 B ARROW ROUTE***	***NW 0 - 1/8 (0.103 mi.)***	***30***	***258***
Facility Id: 00000015449				

Lower Elevation	Address	Direction / Distance	Map ID	Page
NRG CALIFORNIA SOUTH	***8996 ETIWANDA AVE***	***E 0 - 1/8 (0.006 mi.)***	***B2***	***23***
Facility Id: 00000022179				
Facility Id: 00000066344				
Facility Id: 00000060030				
ETIWANDA LAUNCHER FA	8996 ETIWANDA AVE	E 0 - 1/8 (0.006 mi.)	B3	48
Facility Id: 00000066323				
CAL HOME BRANDS, C-H	***8939 ETIWANDA AV***	***E 1/8 - 1/4 (0.230 mi.)***	***J47***	***365***
Facility Id: 00000016014				

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 2 CA FID UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
KAISER STEEL CORP	9400 ETIWANDA AVE	SSE 1/8 - 1/4 (0.135 mi.)	F31	302
Facility Id: 36008211				
Status: I				
KAISER STEEL CORPORA	***9401 ETIWANDA AVE***	***SSE 1/8 - 1/4 (0.135 mi.)***	***F32***	***302***
Facility Id: 36006046				
Status: I				

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 04/17/2023 has revealed that there are 3 CERS TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BERNELL HYDRAULICS	***8810 ETIWANDA AVENUE***	***NE 0 - 1/8 (0.049 mi.)***	***C23***	***199***

Lower Elevation	Address	Direction / Distance	Map ID	Page
IEUA REGIONAL PLANT	***12811 6TH ST***	***SSE 1/8 - 1/4 (0.149 mi.)***	***G35***	***311***

Lower Elevation	Address	Direction / Distance	Map ID	Page
INLAND EMPIRE REGION	***12645 6TH ST***	***SSW 1/8 - 1/4 (0.249 mi.)***	***K53***	***373***

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 05/25/2023 has revealed that there are 2 DEED sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DP ETIWANDA Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY Envirostor ID: 60002634	***8822 ETIWANDA AVENUE***	***NE 0 - 1/8 (0.047 mi.)***	***C17***	***139***
GOODMAN LOGISTICS CE Status: COMPLETED - CASE CLOSED Envirostor ID: T10000003511	***12455 ARROW ROUTE***	***N 1/4 - 1/2 (0.357 mi.)***	***59***	***409***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 07/24/2023 has revealed that there are 15 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SA RECYCLING EPA ID:: CAL000359034	8822 ETIWANDA AVE	NE 0 - 1/8 (0.047 mi.)	C14	119
BERNELL HYDRAULICS, EPA ID:: CAC003099548	8810 ETIWANDA AVENUE	NE 0 - 1/8 (0.049 mi.)	C20	192
BERNELL HYDRAULICS I EPA ID:: CAL000364475	8810 ETIWANDA AVE	NE 0 - 1/8 (0.049 mi.)	C22	197
YAQUIS TRUCK REPAIR EPA ID:: CAL000431340	8821 ETIWANDA AVE	ENE 0 - 1/8 (0.077 mi.)	E27	237
CHAPARRAL TRUCKING EPA ID:: CAD981438823	***8729 ETIWANDA***	***NE 1/8 - 1/4 (0.159 mi.)***	***H38***	***328***
GEORGIA-PACIFIC EPA ID:: CAC003144605	8688 ETIWANDA AVENUE	NE 1/8 - 1/4 (0.210 mi.)	H39	331
GEORGIA PACIFIC EPA ID:: CAC003029377	8688 ETIWANDA AVE	NE 1/8 - 1/4 (0.210 mi.)	H40	333
NATIONAL DISTRIBUTIO	8688 ETIWANDA AVE	NE 1/8 - 1/4 (0.210 mi.)	H42	345

EPA ID:: CAL000409980				
UFP INDUSTRIAL LLC D EPA ID:: CAL000468290	8685 ETIWANDA AVE	NE 1/8 - 1/4 (0.213 mi.)	H44	350
IVP INC DBA V & L RE EPA ID:: CAL000058734	13053 WHITTRAN	ENE 1/8 - 1/4 (0.223 mi.)	I46	362
TRINITY EQUIPMENT RE EPA ID:: CAL000383535	13052 WHITTRAM AVE	ENE 1/8 - 1/4 (0.237 mi.)	I51	371

Lower Elevation	Address	Direction / Distance	Map ID	Page
EPTC ETIWANDA EPA ID:: CAD079548574	***8998 ETIWANDA AVE***	***E 0 - 1/8 (0.006 mi.)***	***B8***	***91***
SOUTHERN CALIFORNIA EPA ID:: CAP000230714	8949 ETIWANDA AVE	E 0 - 1/8 (0.073 mi.)	D25	232
INLAND EMPIRE UTIL A EPA ID:: CAL000179044	12811 6TH ST	SSE 1/8 - 1/4 (0.149 mi.)	G36	318
INLAND EMPIRE REGION EPA ID:: CAL000329825	12645 6TH ST	SSW 1/8 - 1/4 (0.249 mi.)	K54	380

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

A review of the FUDS list, as provided by EDR, and dated 05/08/2023 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
KAISER SHELL CASING		SSE 1/2 - 1 (0.742 mi.)	N71	568

PFAS ECHO: Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

A review of the PFAS ECHO list, as provided by EDR, and dated 03/30/2023 has revealed that there are 2 PFAS ECHO sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BERNELL HYDRAULICS I		NE 0 - 1/8 (0.049 mi.)	C24	231

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHB FOODS INC		E 0 - 1/8 (0.010 mi.)	B11	114

PFAS: A listing of PFAS contaminated sites included in the GeoTracker database.

A review of the PFAS list, as provided by EDR, and dated 06/02/2023 has revealed that there is 1 PFAS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
IEUA REGIONAL PLANT	12811 SIXTH STREET	SSE 1/8 - 1/4 (0.149 mi.)	G37	320

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

A review of the Cortese list, as provided by EDR, and dated 06/14/2023 has revealed that there are 3 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TAMCO	***12459 B ARROW ROUTE***	***NW 0 - 1/8 (0.103 mi.)***	***30***	***258***
Cleanup Status: COMPLETED - CASE CLOSED				
AMERON STEEL AND WIR	***12459 ARROW HWY***	***NNW 1/4 - 1/2 (0.454 mi.)***	***L65***	***453***
Cleanup Status: COMPLETED - CASE CLOSED				
AIR LIQUIDE	***12550 ARROW RTE***	***NNW 1/4 - 1/2 (0.458 mi.)***	***M67***	***455***
Cleanup Status: COMPLETED - CASE CLOSED				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TAMCO	***12459 B ARROW ROUTE***	***NW 0 - 1/8 (0.103 mi.)***	***30***	***258***
Reg Id: 083602379T				
AMERON STEEL AND WIR	12459 ETIWANDA	NNW 1/4 - 1/2 (0.456 mi.)	L66	454
Reg Id: 083600432T				
AIR LIQUIDE	12550 ARROW RT	NNW 1/4 - 1/2 (0.458 mi.)	M68	456
Reg Id: 083602729T				

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

A review of the HWP list, as provided by EDR, and dated 05/15/2023 has revealed that there are 3 HWP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WORLD OIL ENVIRONMEN	***13579 WHITTRAM AVENU***	***ENE 1/2 - 1 (0.908 mi.)***	***O74***	***571***
EPA ID: CAT080025711				
Cleanup Status: OPERATING PERMIT				

Lower Elevation	Address	Direction / Distance	Map ID	Page
ETIWANDA PUMPING STA	***8998 ETIWANDA AVE***	***E 0 - 1/8 (0.006 mi.)***	***B9***	***106***

EPA ID: CAD079548574
Cleanup Status: CLOSED

CHEMWEST IND INC	***13425 SAN BERNARDINO***	***SE 1/2 - 1 (0.924 mi.)***	***P76***	***723***

EPA ID: CAD040520975
Cleanup Status: UNDERGOING CLOSURE

San Bern. Co. Permit: San Bernardino County Fire Department Hazardous Materials Division.

A review of the San Bern. Co. Permit list, as provided by EDR, and dated 05/09/2023 has revealed that there are 15 San Bern. Co. Permit sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DP ETIWANDA	***8822 ETIWANDA AVENUE***	***NE 0 - 1/8 (0.047 mi.)***	***C17***	***139***
Facility Status: INACTIVE Facility Id: FA0006201 Facility Id: FA0007940				
BERNELL HYDRAULICS	***8810 ETIWANDA AVENUE***	***NE 0 - 1/8 (0.049 mi.)***	***C23***	***199***
Facility Status: ACTIVE Facility Status: INACTIVE Facility Id: FA0001427				
A G TRANSPORT	8821 ETIWANDA	ENE 0 - 1/8 (0.077 mi.)	E28	239
Facility Status: INACTIVE Facility Id: FA0010759 Facility Id: FA0005397 Facility Id: FA0002212				
TAMCO	***12459 B ARROW ROUTE***	***NW 0 - 1/8 (0.103 mi.)***	***30***	***258***
Facility Status: ACTIVE Facility Status: INACTIVE Facility Id: FA0003904 Facility Id: FA0005052				
NATIONAL DISTRIBUTIO	***8688 ETIWAND AVE***	***NE 1/8 - 1/4 (0.210 mi.)***	***H41***	***335***
Facility Status: ACTIVE Facility Status: FEE EXEMPT Facility Id: FA0016848				
UFP INDUSTRIAL, LLP	***8685 ETIWANDA AVE***	***NE 1/8 - 1/4 (0.213 mi.)***	***H43***	***347***
Facility Status: ACTIVE Facility Id: FA0018791				
IVP INC DBA V&L REPA	***13053 WHITTRAM AVENU***	***ENE 1/8 - 1/4 (0.223 mi.)***	***I45***	***352***
Facility Status: ACTIVE Facility Id: FA0006998				

Lower Elevation	Address	Direction / Distance	Map ID	Page
NRG ENERGY INC	***8996 ETIWANDA AVENUE***	***E 0 - 1/8 (0.006 mi.)***	***B6***	***68***
Facility Status: INACTIVE Facility Id: FA0002943				
SOUTHERN CALIFORNIA	***8998 ETIWANDA AVENUE***	***E 0 - 1/8 (0.006 mi.)***	***B7***	***88***
Facility Status: INACTIVE Facility Id: FA0002929				
SCE ETIWANDA SWITCHY	***9000 ETIWANDA AVE***	***E 0 - 1/8 (0.006 mi.)***	***B10***	***110***

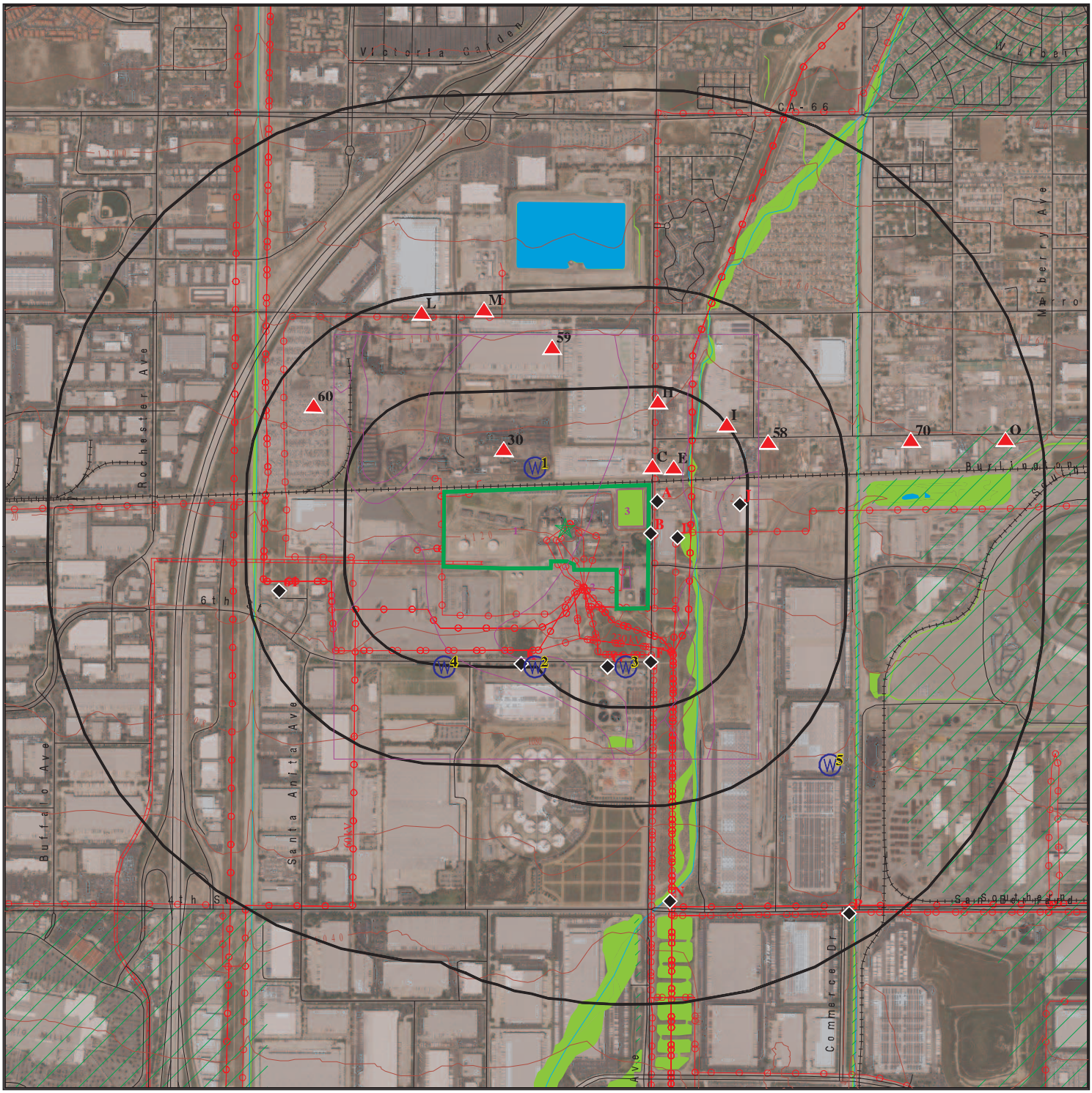
Facility Status: ACTIVE Facility Id: FA0000016				
VERIZON WIRELESS: CO Facility Status: INACTIVE Facility Id: FA0012882	9039 ETIWANDA AVE	ESE 0 - 1/8 (0.014 mi.)	B12	115
ALL STATE PAPER & ME Facility Status: INACTIVE Facility Id: FA0010121	***8889 ETIWANDA AVE***	***ENE 0 - 1/8 (0.021 mi.)***	***A13***	***116***
NEXTEL COMMUNICATION Facility Status: INACTIVE Facility Id: FA0009364	ETIWANDA AVE & 6TH S	SSE 1/8 - 1/4 (0.136 mi.)	F33	310
IEUA REGIONAL PLANT Facility Status: ACTIVE Facility Status: INACTIVE Facility Id: FA0003902	***12811 6TH ST***	***SSE 1/8 - 1/4 (0.149 mi.)***	***G35***	***311***
INLAND EMPIRE REGION Facility Status: ACTIVE Facility Status: INACTIVE Facility Id: FA0011441	***12645 6TH ST***	***SSW 1/8 - 1/4 (0.249 mi.)***	***K53***	***373***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name	Database(s)
FORE FOOTHILL & GROVE	ENVIROSTOR, VCP, SWEEPS UST, HIST UST, CA FID UST
	CDL
14253 WHITTRAM AVENUE	ENVIROSTOR, VCP

OVERVIEW MAP - 7438580.1S



0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- 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:	APN 22928379	CLIENT:	Kleinfelder, Inc.
ADDRESS:	APN 22928379 Rancho Cucamonga CA 91739	CONTACT:	Lindsey Dandridge-Perry
LAT/LONG:	34.09114 / 117.527679	INQUIRY #:	7438580.1s
		DATE:	September 07, 2023 5:02 pm

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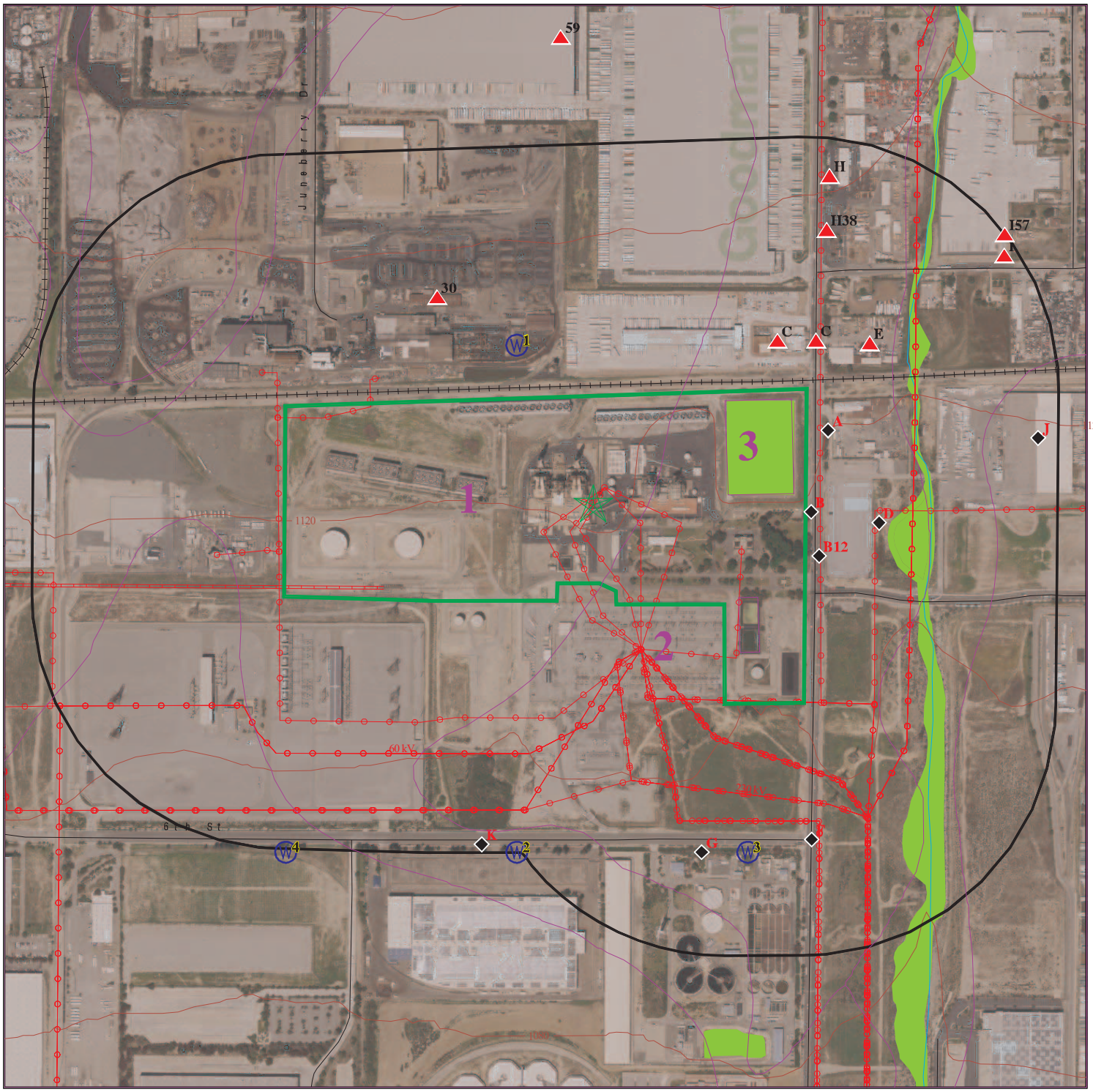
DETAIL MAP - 7438580.1S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/8 1/4 1/2 Miles

Indian Reservations BIA

Power transmission lines

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

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:	APN 22928379	CLIENT:	Kleinfelder, Inc.
ADDRESS:	APN 22928379 Rancho Cucamonga CA 91739	CONTACT:	Lindsey Dandridge-Perry
LAT/LONG:	34.09114 / 117.527679	INQUIRY #:	7438580.1s
		DATE:	September 07, 2023 5:03 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		1	1	1	NR	NR	3
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		1	0	0	2	NR	3
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		2	0	NR	NR	NR	2
RCRA-SQG	0.250		6	1	NR	NR	NR	7
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		4	0	3	5	NR	12
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	2	1	NR	NR	3

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
Lists of state and tribal leaking storage tanks								
LUST	0.500		1	0	4	NR	NR	5
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		2	2	0	NR	NR	4
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	1	NR	NR	NR	2
AST	0.250		4	2	NR	NR	NR	6
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		3	0	1	NR	NR	4
Lists of state and tribal brownfield sites								
BROWNFIELDS	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								
WMUDS/SWAT	0.500		1	0	2	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
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST 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
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		2	3	NR	NR	NR	5
Toxic Pits	1.000		0	0	0	1	NR	1
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		3	1	NR	NR	NR	4
HIST UST	0.250		4	1	NR	NR	NR	5
CA FID UST	0.250		0	2	NR	NR	NR	2
CERS TANKS	0.250		1	2	NR	NR	NR	3
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		1	0	1	NR	NR	2
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		6	9	NR	NR	NR	15
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	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
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		2	0	NR	NR	NR	2
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	1	NR	NR	NR	1
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		1	0	2	NR	NR	3
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	0	2	NR	NR	3
HWP	1.000		1	0	0	2	NR	3
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
San Bern. Co. Permit	0.250		9	6	NR	NR	NR	15
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0

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
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	57	34	17	11	0	119

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
ENE
< 1/8
0.005 mi.
28 ft.

CALIFORNIA HOME BRANDS INC
8930 ETIWANDA AVE
ETIWANDA, CA 91739

Site 1 of 2 in cluster A

RCRA-SQG **1000252224**
FINDS **CAD981399843**
ECHO
HAZNET
HWTS

Relative:
Lower

Actual:
1121 ft.

RCRA Listings:

Date Form Received by Agency:	19960901
Handler Name:	California Home Brands Inc
Handler Address:	8930 ETIWANDA AVE
Handler City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAD981399843
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Ca
State District:	4
Mailing Address:	PO BOX 477
Mailing City,State,Zip:	ETIWANDA, CA 91739
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not Required
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

CALIFORNIA HOME BRANDS INC (Continued) **1000252224**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CALIFORNIA HOME BRANDS	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name: CALIFORNIA HOME BRANDS INC	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Ca
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

CALIFORNIA HOME BRANDS INC (Continued) **1000252224**

Receive Date: 19860425
Handler Name: CALIFORNIA HOME BRANDS INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900410
Handler Name: CALIFORNIA HOME BRANDS INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 332431
NAICS Description: METAL CAN MANUFACTURING

NAICS Code: 33991
NAICS Description: JEWELRY AND SILVERWARE MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002694120

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

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

CALIFORNIA HOME BRANDS INC (Continued) **1000252224**

ECHO:

Envid:	1000252224
Registry ID:	110002694120
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002694120
Name:	CALIFORNIA HOME BRANDS INC
Address:	8930 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739

HAZNET:

Name:	CALIFORNIA HOME BRANDS INC
Address:	8930 ETIWANDA AVE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 917390000
Contact:	--
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1 RIVERFRONT PL
Year:	1995
Gepaid:	CAD981399843
TSD EPA ID:	CAD044429835
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	T03 - Treatment, Incineration
Tons:	0.1584
Year:	1994
Gepaid:	CAD981399843
TSD EPA ID:	CAD000633164
CA Waste Code:	*** - Invalid waste code
Disposal Method:	D80 - Disposal, Land Fill
Tons:	2.7
Year:	1994
Gepaid:	CAD981399843
TSD EPA ID:	IDD073114654
CA Waste Code:	352 - Other organic solids
Disposal Method:	D80 - Disposal, Land Fill
Tons:	33.6
Year:	1994
Gepaid:	CAD981399843
TSD EPA ID:	CAT080022148
CA Waste Code:	261 - Polychlorinated biphenyls and material containing PCBs
Disposal Method:	-
Tons:	0.4
Year:	1994
Gepaid:	CAD981399843
TSD EPA ID:	CAT080033681
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	-
Tons:	0.1584
Year:	1994
Gepaid:	CAD981399843
TSD EPA ID:	CAT080033681

CALIFORNIA HOME BRANDS INC (Continued) **1000252224**

CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: H01 - Transfer Station
Tons: 0.12

Year: 1994
Gepaid: CAD981399843
TSD EPA ID: CAD067786749
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 52.2536

Year: 1994
Gepaid: CAD981399843
TSD EPA ID: CAD981458466
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: R01 - Recycler
Tons: 1.89

Year: 1994
Gepaid: CAD981399843
TSD EPA ID: CAT080033681
CA Waste Code: -
Disposal Method: H01 - Transfer Station
Tons: 0.01

Year: 1993
Gepaid: CAD981399843
TSD EPA ID: CAT080011059
CA Waste Code: -
Disposal Method: R01 - Recycler
Tons: 0.2

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

Additional Info:
Year: 1995
Gen EPA ID: CAD981399843

Shipment Date: 19950303
Creation Date: 10/23/1995 0:00:00
Receipt Date: 19950303
Manifest ID: 93442974
Trans EPA ID: CAD983578303
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD044429835
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: D001
Meth Code: T03 - Treatment, Incineration
Quantity Tons: 0.1584

CALIFORNIA HOME BRANDS INC (Continued) **1000252224**

Waste Quantity: 38
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1994
Gen EPA ID: CAD981399843

Shipment Date: 19940922
Creation Date: 3/28/1996 0:00:00
Receipt Date: 19940922
Manifest ID: 88288530
Trans EPA ID: CAD072953771
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: Not reported
TSDF Alt EPA ID: CAT080033681
TSDF Alt Name: Not reported
Waste Code Description: 611 - Contaminated soil from site clean-ups
RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.045
Waste Quantity: 90
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19940922
Creation Date: 3/28/1996 0:00:00
Receipt Date: 19940922
Manifest ID: 88288530
Trans EPA ID: CAD072953771
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080033681
Trans Name: Not reported
TSDF Alt EPA ID: CAT080033681
TSDF Alt Name: Not reported
Waste Code Description: - Not reported
RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.01
Waste Quantity: 20
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported

CALIFORNIA HOME BRANDS INC (Continued) **1000252224**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940922
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19940922
Manifest ID:	88288530
Trans EPA ID:	CAD072953771
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	D008
Meth Code:	- Not reported
Quantity Tons:	0.1584
Waste Quantity:	38
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940922
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19940922
Manifest ID:	88288530
Trans EPA ID:	CAD072953771
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.075
Waste Quantity:	18
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940922
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19941004
Manifest ID:	93182765
Trans EPA ID:	CAD980887475
Trans Name:	Not reported

CALIFORNIA HOME BRANDS INC (Continued) **1000252224**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	IDD073114654
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940706
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940719
Manifest ID:	93182461
Trans EPA ID:	CAD980887475
Trans Name:	Not reported
Trans 2 EPA ID:	NMD986682094
Trans 2 Name:	Not reported
TSDF EPA ID:	IDD073114654
Trans Name:	Not reported
TSDF Alt EPA ID:	IDD073114654
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940706
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940719
Manifest ID:	93182461
Trans EPA ID:	CAD980887475
Trans Name:	Not reported
Trans 2 EPA ID:	NMD986682094
Trans 2 Name:	Not reported
TSDF EPA ID:	IDD073114654
Trans Name:	Not reported
TSDF Alt EPA ID:	IDD073114654
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill

CALIFORNIA HOME BRANDS INC (Continued) **1000252224**

Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940627
Creation Date:	10/10/1995 0:00:00
Receipt Date:	19940629
Manifest ID:	90371425
Trans EPA ID:	CAL921564639
Trans Name:	Not reported
Trans 2 EPA ID:	CAD000048934
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.6856
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940603
Creation Date:	10/10/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	93182450
Trans EPA ID:	CAD980887475
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080022148
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CALIFORNIA HOME BRANDS INC (Continued) **1000252224**

Shipment Date:	19940528
Creation Date:	10/10/1995 0:00:00
Receipt Date:	19940531
Manifest ID:	90371311
Trans EPA ID:	CAD000048934
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	50.568
Waste Quantity:	60
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD981399843

Shipment Date:	19931208
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931214
Manifest ID:	93157231
Trans EPA ID:	CAD980887475
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19931111
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931115
Manifest ID:	92429900
Trans EPA ID:	CAD980887475

CALIFORNIA HOME BRANDS INC (Continued) **1000252224**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19931111
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931115
Manifest ID:	92429900
Trans EPA ID:	CAD980887475
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19931111
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931115
Manifest ID:	92429900
Trans EPA ID:	CAD980887475
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001

CALIFORNIA HOME BRANDS INC (Continued) **1000252224**

Meth Code:	R01 - Recycler
Quantity Tons:	1.6
Waste Quantity:	3200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931111
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931115
Manifest ID:	92429900
Trans EPA ID:	CAD980887475
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931111
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931115
Manifest ID:	92429901
Trans EPA ID:	CAD980887475
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CALIFORNIA HOME BRANDS INC (Continued) **1000252224**

Shipment Date:	19931111
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931115
Manifest ID:	92429901
Trans EPA ID:	CAD980887475
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	131 - Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930928
Creation Date:	9/12/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92429731
Trans EPA ID:	CAD980887475
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	F003
Meth Code:	- Not reported
Quantity Tons:	6.255
Waste Quantity:	1500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930923
Creation Date:	9/12/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92474539
Trans EPA ID:	CAD980887475
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

CALIFORNIA HOME BRANDS INC (Continued) **1000252224**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	4.75
Waste Quantity:	1250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930208
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19930212
Manifest ID:	91494447
Trans EPA ID:	CAD000048934
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	CALIFORNIA HOME BRANDS INC
Address:	8930 ETIWANDA AVE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAD981399843
Inactive Date:	06/30/1998
Create Date:	04/10/1987
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	1 RIVERFRONT PL
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NEWPORT, KY 410714548
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported

CALIFORNIA HOME BRANDS INC (Continued) **1000252224**

Owner City,State,Zip:	Not reported
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	Not reported
Contact Address:	INACT PER 98VQ FINAL NOTICE
Contact Address 2:	Not reported
City,State,Zip:	Not reported
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	34.092923
Longitude:	-117.524131

B2 **NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST** **AST** **U001569542**
East **8996 ETIWANDA AVE** **SWEEPS UST** **N/A**
< 1/8 **ETIWANDA, CA 91739** **HIST UST**
0.006 mi. **CHMIRS**
30 ft. **Site 1 of 11 in cluster B** **EMI**
NPDES
Relative: **WDS**
Lower **CIWQS**
Actual: **CERS**
1114 ft.

AST:

Name:	ETIWANDA GENERATING STATION
Address:	8996 ETIWANDA AVE
City/Zip:	RANCHO CUCAMONGA,91739
Certified Unified Program Agencies:	Not reported
Owner:	NRG California South LP
Total Gallons:	Not reported
CERSID:	10038976
Facility ID:	FA0002943
Business Name:	ETIWANDA GENERATING STATION
Phone:	(909) 899-7260
Fax:	(909) 899-7222
Mailing Address:	8996 ETIWANDA AVE
Mailing Address City:	RANCHO CUCAMONGA
Mailing Address State:	CA
Mailing Address Zip Code:	91739
Operator Name:	Etiwanda Generating Station
Operator Phone:	909-899-7290
Owner Phone:	(909) 899-7260
Owner Mail Address:	8996 ETIWANDA AVE
Owner State:	CA
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAR000038158

Name:	ETIWANDA GENERATING STATION

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Address:	8996 ETIWANDA AVE
City/Zip:	RANCHO CUCAMONGA,
Certified Unified Program Agencies:	San Bernardino
Owner:	RELIANT ENERGY ETIWANDA
Total Gallons:	210,850
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

SWEEPS UST:

Name:	ETIWANDA GENERATING STATION
Address:	8996 ETIWANDA AVE
City:	ETIWANDA
Status:	Active
Comp Number:	60030
Number:	9
Board Of Equalization:	Not reported
Referral Date:	08-28-91
Action Date:	08-28-91
Created Date:	02-29-88
Owner Tank Id:	455R
SWRCB Tank Id:	36-000-060030-000001
Tank Status:	A
Capacity:	550
Active Date:	06-28-88
Tank Use:	UNKNOWN
STG:	P
Content:	Not reported
Number Of Tanks:	1

HIST UST:

Name:	ETIWANDA GENERATING STATION
Address:	8996 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
File Number:	0002a6a1

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002a6a1.pdf
Region:	STATE
Facility ID:	00000022179
Facility Type:	Other
Other Type:	ELECTRIC UTILITY
Contact Name:	M. B. JOSEPH, ENG. III
Telephone:	8185721801
Owner Name:	SOUTHERN CALIFORNIA EDISON CO.
Owner Address:	2244 WALNUT GROVE AVENUE
Owner City,St,Zip:	ROSEMEAD, CA 91770
Total Tanks:	0007
Tank Num:	001
Container Num:	145
Year Installed:	1970
Tank Capacity:	00000480
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	001
Container Num:	406
Year Installed:	1952
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	12
Leak Detection:	None
Tank Num:	001
Container Num:	406
Year Installed:	1952
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	12
Leak Detection:	None
Tank Num:	001
Container Num:	406
Year Installed:	1952
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	12
Leak Detection:	None
Tank Num:	001
Container Num:	145
Year Installed:	1970
Tank Capacity:	00000480
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Tank Num:	001
Container Num:	145
Year Installed:	1970
Tank Capacity:	00000480
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Tank Num:	001
Container Num:	455
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	1
Container Construction Thickness:	X
Leak Detection:	None

Tank Num:	001
Container Num:	455
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	1
Container Construction Thickness:	X
Leak Detection:	None

Tank Num:	001
Container Num:	455
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	WASTE
Type of Fuel:	1
Container Construction Thickness:	X
Leak Detection:	None

Tank Num:	002
Container Num:	407
Year Installed:	1952
Tank Capacity:	00000120
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	002
Container Num:	407
Year Installed:	1952
Tank Capacity:	00000120
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	002
Container Num:	146
Year Installed:	1950

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Tank Capacity: 00001300
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: 146
Year Installed: 1950
Tank Capacity: 00001300
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: 146
Year Installed: 1950
Tank Capacity: 00001300
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 002
Container Num: 407
Year Installed: 1952
Tank Capacity: 00000120
Tank Used for: PRODUCT
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 147
Year Installed: 1980
Tank Capacity: 00064000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 003
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 147
Year Installed: 1980
Tank Capacity: 00064000
Tank Used for: WASTE
Type of Fuel: Not reported

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 003
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: 147
Year Installed: 1980
Tank Capacity: 00064000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 003
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 148
Year Installed: Not reported
Tank Capacity: 01600000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 004
Container Num: 148
Year Installed: Not reported
Tank Capacity: 01600000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 004
Container Num: 148
Year Installed: Not reported
Tank Capacity: 01600000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Visual

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Tank Num: 004
Container Num: 7
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 7
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 004
Container Num: 7
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 005
Container Num: 149
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 005
Container Num: 149
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 005
Container Num: 149
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 005
Container Num: 6
Year Installed: Not reported

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 005
Container Num: 6
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 005
Container Num: 6
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 006
Container Num: 150
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 006
Container Num: 150
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 006
Container Num: 150
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 006
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	006
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	006
Container Num:	5
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	007
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	007
Container Num:	151
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	007
Container Num:	151
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	007
Container Num:	4
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	None

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Tank Num: 007
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 007
Container Num: 151
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 008
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 008
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 008
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 009
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 009
Container Num: 2
Year Installed: Not reported

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 009
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

CHMIRS:
Name: Not reported
Address: 8996 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
OES Incident Number: 16-3638
OES notification: 06/16/2016
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Utilities/Substation
Cleanup By: Contractor
Containment: Not reported
What Happened: Not reported
Type: Not reported

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1430
Year:	2016
Agency:	NRG Energy
Incident Date:	06/15/2016
Admin Agency:	San Bernardino County Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	lube oil
Quantity Released:	42
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states: A Pressure guage ruptured resulting in a leak of approximately 42 gallons of lube oil within a containment area. Containment area caught entire release; no contact with any medium (water, soil, etc.). Release is contained and no longer releas

EMI:

Name:	SO CAL EDISON CO (EIS USE)
Address:	8996 ETIWANDA AV
City,State,Zip:	ETIWANDA, CA 91739
Year:	1987
County Code:	36
Air Basin:	SC
Facility ID:	800224
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:	49
Carbon Monoxide Emissions Tons/Yr:	162
NOX - Oxides of Nitrogen Tons/Yr:	773
SOX - Oxides of Sulphur Tons/Yr:	64

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Particulate Matter Tons/Yr: 36
Part. Matter 10 Micrometers and Smllr Tons/Yr: 35

Name: SO CAL EDISON CO (EIS USE)
Address: 8996 ETIWANDA AV
City,State,Zip: ETIWANDA, CA 91739
Year: 1990
County Code: 36
Air Basin: SC
Facility ID: 800224
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: 71
Reactive Organic Gases Tons/Yr: 41
Carbon Monoxide Emissions Tons/Yr: 101
NOX - Oxides of Nitrogen Tons/Yr: 627
SOX - Oxides of Sulphur Tons/Yr: 182
Particulate Matter Tons/Yr: 45
Part. Matter 10 Micrometers and Smllr Tons/Yr: 44

Name: SO CAL EDISON CO (EIS USE)
Address: 8996 ETIWANDA AV
City,State,Zip: ETIWANDA, CA 91739
Year: 1995
County Code: 36
Air Basin: SC
Facility ID: 800224
Air District Name: SC
SIC Code: 4911
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 220
Reactive Organic Gases Tons/Yr: 95
Carbon Monoxide Emissions Tons/Yr: 139
NOX - Oxides of Nitrogen Tons/Yr: 528
SOX - Oxides of Sulphur Tons/Yr: 9
Particulate Matter Tons/Yr: 23
Part. Matter 10 Micrometers and Smllr Tons/Yr: 23

Name: SO CAL EDISON CO (EIS USE)
Address: 8996 ETIWANDA AVE
City,State,Zip: ETIWANDA, CA 91739
Year: 1996
County Code: 36
Air Basin: SC
Facility ID: 800224
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: 29
Reactive Organic Gases Tons/Yr: 12

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Carbon Monoxide Emissions Tons/Yr:	81
NOX - Oxides of Nitrogen Tons/Yr:	370
SOX - Oxides of Sulphur Tons/Yr:	4
Particulate Matter Tons/Yr:	13
Part. Matter 10 Micrometers and Smllr Tons/Yr:	13

Name:	SO CAL EDISON CO (EIS USE)
Address:	8996 ETIWANDA AV
City,State,Zip:	ETIWANDA, CA 91739
Year:	1997
County Code:	36
Air Basin:	SC
Facility ID:	800224
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:	41
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	87
NOX - Oxides of Nitrogen Tons/Yr:	451
SOX - Oxides of Sulphur Tons/Yr:	5
Particulate Matter Tons/Yr:	14
Part. Matter 10 Micrometers and Smllr Tons/Yr:	14

Name:	SO CAL EDISON CO (EIS USE)
Address:	8996 ETIWANDA AV
City,State,Zip:	ETIWANDA, CA 91739
Year:	1998
County Code:	36
Air Basin:	SC
Facility ID:	800224
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
Reactive Organic Gases Tons/Yr:	11
Carbon Monoxide Emissions Tons/Yr:	87
NOX - Oxides of Nitrogen Tons/Yr:	451
SOX - Oxides of Sulphur Tons/Yr:	5
Particulate Matter Tons/Yr:	14
Part. Matter 10 Micrometers and Smllr Tons/Yr:	14

Name:	SO CAL EDISON CO (EIS USE)
Address:	8996 ETIWANDA AV
City,State,Zip:	ETIWANDA, CA 91739
Year:	1999
County Code:	36
Air Basin:	SC
Facility ID:	800224
Air District Name:	SC
SIC Code:	4911
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	41
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	87
NOX - Oxides of Nitrogen Tons/Yr:	451
SOX - Oxides of Sulphur Tons/Yr:	5
Particulate Matter Tons/Yr:	14
Part. Matter 10 Micrometers and Smllr Tons/Yr:	14

Name:	SO CAL EDISON CO (EIS USE)
Address:	8996 ETIWANDA AV
City,State,Zip:	ETIWANDA, CA 91739
Year:	2000
County Code:	36
Air Basin:	SC
Facility ID:	800224
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:	41
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	87
NOX - Oxides of Nitrogen Tons/Yr:	451
SOX - Oxides of Sulphur Tons/Yr:	5
Particulate Matter Tons/Yr:	14
Part. Matter 10 Micrometers and Smllr Tons/Yr:	14

Name:	MOUNTAIN VISTA POWER GENERATION, LLC
Address:	8996 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2001
County Code:	36
Air Basin:	SC
Facility ID:	115315
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:	403
Reactive Organic Gases Tons/Yr:	58
Carbon Monoxide Emissions Tons/Yr:	300
NOX - Oxides of Nitrogen Tons/Yr:	1215
SOX - Oxides of Sulphur Tons/Yr:	9
Particulate Matter Tons/Yr:	12
Part. Matter 10 Micrometers and Smllr Tons/Yr:	12

Name:	RELIANT ENERGY ETIWANDA, INC.
Address:	8996 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2002
County Code:	36
Air Basin:	SC
Facility ID:	115315
Air District Name:	SC

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

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:	69
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	17
NOX - Oxides of Nitrogen Tons/Yr:	115
SOX - Oxides of Sulphur Tons/Yr:	2
Particulate Matter Tons/Yr:	15
Part. Matter 10 Micrometers and Smllr Tons/Yr:	15

Name:	RELIANT ENERGY ETIWANDA, INC.
Address:	8996 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2003
County Code:	36
Air Basin:	SC
Facility ID:	115315
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:	69
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	17
NOX - Oxides of Nitrogen Tons/Yr:	115
SOX - Oxides of Sulphur Tons/Yr:	2
Particulate Matter Tons/Yr:	15
Part. Matter 10 Micrometers and Smllr Tons/Yr:	15

Name:	RELIANT ENERGY ETIWANDA, INC.
Address:	8996 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2004
County Code:	36
Air Basin:	SC
Facility ID:	115315
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:	69.4891237
Reactive Organic Gases Tons/Yr:	10.32
Carbon Monoxide Emissions Tons/Yr:	16.902625
NOX - Oxides of Nitrogen Tons/Yr:	115.12183
SOX - Oxides of Sulphur Tons/Yr:	1.7911697
Particulate Matter Tons/Yr:	14.941123
Part. Matter 10 Micrometers and Smllr Tons/Yr:	14.86

Name:	RELIANT ENERGY ETIWANDA, INC.
Address:	8996 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2005
County Code:	36

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Air Basin:	SC
Facility ID:	115315
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:	5.230645
Reactive Organic Gases Tons/Yr:	2.209413954
Carbon Monoxide Emissions Tons/Yr:	270.910345
NOX - Oxides of Nitrogen Tons/Yr:	17.23529
SOX - Oxides of Sulphur Tons/Yr:	1.79362675
Particulate Matter Tons/Yr:	5.850055
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.81905413

Name:	RELIANT ENERGY ETIWANDA, INC.
Address:	8996 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2006
County Code:	36
Air Basin:	SC
Facility ID:	115315
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:	13.44679893897444562
Reactive Organic Gases Tons/Yr:	5.67
Carbon Monoxide Emissions Tons/Yr:	.003
NOX - Oxides of Nitrogen Tons/Yr:	23.283
SOX - Oxides of Sulphur Tons/Yr:	2.009
Particulate Matter Tons/Yr:	97.117
Part. Matter 10 Micrometers and Smllr Tons/Yr:	74.2543

Name:	RELIANT ENERGY ETIWANDA, INC.
Address:	8996 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2007
County Code:	36
Air Basin:	SC
Facility ID:	115315
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:	13.44679893897444562
Reactive Organic Gases Tons/Yr:	5.67
Carbon Monoxide Emissions Tons/Yr:	.003
NOX - Oxides of Nitrogen Tons/Yr:	23.283
SOX - Oxides of Sulphur Tons/Yr:	2.009
Particulate Matter Tons/Yr:	97.117
Part. Matter 10 Micrometers and Smllr Tons/Yr:	74.2543

Name:	RRI ENERGY ETIWANDA, INC.
Address:	8996 ETIWANDA AVE

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

City,State,Zip:	ETIWANDA, CA 91739
Year:	2008
County Code:	36
Air Basin:	SC
Facility ID:	115315
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:	19.68604154681649873
Reactive Organic Gases Tons/Yr:	8.31031399338
Carbon Monoxide Emissions Tons/Yr:	.0804866525
NOX - Oxides of Nitrogen Tons/Yr:	33.37
SOX - Oxides of Sulphur Tons/Yr:	2.950001320375
Particulate Matter Tons/Yr:	145.6900188625
Part. Matter 10 Micrometers and Smllr Tons/Yr:	111.442018749325

Name:	MOUNTAIN VISTA POWER GENERATION, LLC
Address:	8996 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2009
County Code:	36
Air Basin:	SC
Facility ID:	115315
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:	11.829317348163199
Reactive Organic Gases Tons/Yr:	4.9909397149999997
Carbon Monoxide Emissions Tons/Yr:	3.70146
NOX - Oxides of Nitrogen Tons/Yr:	21.358409999999999
SOX - Oxides of Sulphur Tons/Yr:	1.7500039599999999
Particulate Matter Tons/Yr:	92.210056600000001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	69.962056260400004

Name:	MOUNTAIN VISTA POWER GENERATION, LLC
Address:	8996 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2010
County Code:	36
Air Basin:	SC
Facility ID:	115315
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:	5.2970444096097298
Reactive Organic Gases Tons/Yr:	2.2289206838200002
Carbon Monoxide Emissions Tons/Yr:	13.51524
NOX - Oxides of Nitrogen Tons/Yr:	11.02749
SOX - Oxides of Sulphur Tons/Yr:	0.80902874999999996
Particulate Matter Tons/Yr:	40.495890344999999
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31.228208576699998

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Name:	MOUNTAIN VISTA POWER GENERATION, LLC
Address:	8996 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2011
County Code:	36
Air Basin:	SC
Facility ID:	115315
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:	2.4185267619
Reactive Organic Gases Tons/Yr:	1.02065
Carbon Monoxide Emissions Tons/Yr:	8.12497
NOX - Oxides of Nitrogen Tons/Yr:	5.31248
SOX - Oxides of Sulphur Tons/Yr:	0.4708535
Particulate Matter Tons/Yr:	49.08651
Part. Matter 10 Micrometers and Smllr Tons/Yr:	36.30818322

Name:	NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST
Address:	8996 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2013
County Code:	36
Air Basin:	SC
Facility ID:	115315
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:	7.0262775421
Reactive Organic Gases Tons/Yr:	3.04450434
Carbon Monoxide Emissions Tons/Yr:	82.88357
NOX - Oxides of Nitrogen Tons/Yr:	14.61257381
SOX - Oxides of Sulphur Tons/Yr:	1.045700372
Particulate Matter Tons/Yr:	101.98080465
Part. Matter 10 Micrometers and Smllr Tons/Yr:	74.94671121

Name:	NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST
Address:	8996 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2014
County Code:	36
Air Basin:	SC
Facility ID:	115315
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:	5.4863389252
Reactive Organic Gases Tons/Yr:	2.43788
Carbon Monoxide Emissions Tons/Yr:	56.5205
NOX - Oxides of Nitrogen Tons/Yr:	10.39649
SOX - Oxides of Sulphur Tons/Yr:	0.81361

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Particulate Matter Tons/Yr: 68.80804
Part. Matter 10 Micrometers and Smllr Tons/Yr: 66.31893576

Name: NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST
Address: 8996 ETIWANDA AVE
City,State,Zip: ETIWANDA, CA 91739
Year: 2015
County Code: 36
Air Basin: SC
Facility ID: 115315
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: 3.484019022
Reactive Organic Gases Tons/Yr: 1.588110148
Carbon Monoxide Emissions Tons/Yr: 37.575516235
NOX - Oxides of Nitrogen Tons/Yr: 6.650390265
SOX - Oxides of Sulphur Tons/Yr: 0.518025547
Particulate Matter Tons/Yr: 41.153134149
Part. Matter 10 Micrometers and Smllr Tons/Yr: 39.695419112

Name: NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST
Address: 8996 ETIWANDA AVE
City,State,Zip: ETIWANDA, CA 91739
Year: 2016
County Code: 36
Air Basin: SC
Facility ID: 115315
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: 3.5552361675
Reactive Organic Gases Tons/Yr: 1.570942
Carbon Monoxide Emissions Tons/Yr: 46.66242
NOX - Oxides of Nitrogen Tons/Yr: 7.8702
SOX - Oxides of Sulphur Tons/Yr: 0.57008744
Particulate Matter Tons/Yr: 45.740675
Part. Matter 10 Micrometers and Smllr Tons/Yr: 44.186424152

Name: NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST
Address: 8996 ETIWANDA AVE
City,State,Zip: ETIWANDA, CA 91739
Year: 2017
County Code: 36
Air Basin: SC
Facility ID: 115315
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: 3.3197959563
Reactive Organic Gases Tons/Yr: 1.466686

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Carbon Monoxide Emissions Tons/Yr:	42.042009
NOX - Oxides of Nitrogen Tons/Yr:	7.0881
SOX - Oxides of Sulphur Tons/Yr:	0.5300987
Particulate Matter Tons/Yr:	46.200514
Part. Matter 10 Micrometers and Smllr Tons/Yr:	44.59226824

Name:	NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST
Address:	8996 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
Year:	2018
County Code:	36
Air Basin:	SC
Facility ID:	115315
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:	0.0098356704682
Reactive Organic Gases Tons/Yr:	0.008530794
Carbon Monoxide Emissions Tons/Yr:	0.0230899
NOX - Oxides of Nitrogen Tons/Yr:	0.1056005
SOX - Oxides of Sulphur Tons/Yr:	5.721e-005
Particulate Matter Tons/Yr:	0.007510125
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.00746506425

NPDES:

Name:	BTC III ETIWANDA COMMERCE CENTER LP
Address:	8996 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Active
NPDES Number:	CAS000002
Region:	8
Agency Number:	0
Regulatory Measure ID:	538953
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	8 36C394626
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/30/2021
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	4675 MacArthur Court
Discharge Name:	BTC III Etiwanda Commerce Center LP
Discharge City:	Newport Beach
Discharge State:	California
Discharge Zip:	92660
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Name:	BTC III ETIWANDA COMMERCE CENTER LP
Address:	8996 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36C394626
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	07/30/2021
Operator Name:	BTC III Etiwanda Commerce Center LP
Operator Address:	4675 MacArthur Court
Operator City:	Newport Beach
Operator State:	California
Operator Zip:	92660

Name:	ESS ADJACENT TO ETIWANDA SUBSTATION SEPARATOR
Address:	8996 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Active
NPDES Number:	CAS000002
Region:	8
Agency Number:	0
Regulatory Measure ID:	546744
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	8 36C396554
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/18/2022
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2244 Walnut Grove Ave GO 1 Quad 2C
Discharge Name:	Southern California Edison
Discharge City:	Rosemead
Discharge State:	California
Discharge Zip:	91770
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Operator State:	Not reported
Operator Zip:	Not reported
Name:	ESS ADJACENT TO ETIWANDA SUBSTATION SEPARATOR
Address:	8996 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36C396554
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	02/18/2022
Operator Name:	Southern California Edison
Operator Address:	2244 Walnut Grove Ave GO 1 Quad 2C
Operator City:	Rosemead
Operator State:	California
Operator Zip:	91770

WDS:

Name:	ETIWANDA GENERATING STATION
Address:	8996 ETIWANDA AVE
City:	ETIWANDA
Facility ID:	Santa Ana River 36I013924
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	8
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	SOUTHERN CALIFORNIA EDISONROS
Agency Address:	PO BOX 800 RM 405 - ENVAFF
Agency City,St,Zip:	ROSEMEAD 91770
Agency Contact:	JAMES A. KELLY
Agency Telephone:	Not reported
Agency Type:	Private

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:
Name: BTC III ETIWANDA COMMERCE CENTER LP
Address: 8996 ETIWANDA AVENUE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Agency: BTC III Etiwanda Commerce Center LP
Agency Address: 4675 MacArthur Court Suite 625, Newport Beach , CA 92660
Place/Project Type: Construction - Industrial
SIC/NAICS: Not reported
Region: 8
Program: CONSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 8 36C394626
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 07/30/2021
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.09108
Longitude: -117.53063

Name: ESS ADJACENT TO ETIWANDA SUBSTATION SEPARATOR
Address: 8996 ETIWANDA AVENUE
City,State,Zip: RANCHO CUCAMONGA, CA 91739

NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (Continued) **U001569542**

Agency:	Southern California Edison
Agency Address:	2244 Walnut Grove Ave GO 1 Quad 2C, Rosemead, CA 91770
Place/Project Type:	Construction - Utility: energy storage station
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 36C396554
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	02/18/2022
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.091918
Longitude:	-117.533815

CERS:

Name:	BTC III ETIWANDA COMMERCE CENTER LP
Address:	8996 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	579756
CERS ID:	896247
CERS Description:	Construction Storm Water

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	BTC III Etiwanda Commerce Center LP
Entity Title:	Operator
Affiliation Address:	4675 MacArthur CourtSuite 625
Affiliation City:	Newport Beach
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92660
Affiliation Phone:	,

Name:	ESS ADJACENT TO ETIWANDA SUBSTATION SEPARATOR
Address:	8996 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	620536
CERS ID:	902160
CERS Description:	Construction Storm Water

B3 **ETIWANDA LAUNCHER FACILITY** **HIST UST** **U001569544**
East **8996 ETIWANDA AVE** **N/A**
< 1/8 **ETIWANDA, CA 91739**
0.006 mi.
30 ft. **Site 2 of 11 in cluster B**

Relative: **Lower**
Actual: **1114 ft.**

HIST UST:

Name:	ETIWANDA LAUNCHER FACILITY
Address:	8996 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
File Number:	0002a6cb
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002a6cb.pdf
Region:	STATE
Facility ID:	00000066323
Facility Type:	Other
Other Type:	ELECTRIC UTILITY
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
Total Tanks:	0001
Tank Num:	001
Container Num:	382
Year Installed:	1984
Tank Capacity:	00000200
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	2
Leak Detection:	None

Click here for Geo Tracker PDF:

B4 **ETIWANDA GENERATING STATION** **RCRA-LQG** **1001217613**
East **8996 ETIWANDA AVE** **TSCA** **CAR000038158**
< 1/8 **RANCHO CUCAMONGA, CA 91739** **FINDS**
0.006 mi. **ECHO**
30 ft. **Site 3 of 11 in cluster B**

Relative: **Lower**
Actual: **1114 ft.**

RCRA Listings:

Date Form Received by Agency:	20220224
Handler Name:	Etiwanda Generating Station
Handler Address:	ETIWANDA BLVD
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAR000038158
Contact Name:	CHRIS SANFORD
Contact Address:	MACARTHUR COURT
Contact City,State,Zip:	NEWPORT BEACH, CA 92660
Contact Telephone:	949-795-6272
Contact Fax:	Not reported
Contact Email:	CHRIS.SANFORD@BLACKCREEKGROUP.COM
Contact Title:	SENIOR VICE PRESIDENT
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2021
Accessibility:	Not reported
Active Site Indicator:	Handler Activities

ETIWANDA GENERATING STATION (Continued) **1001217613**

State District Owner:	Not reported
State District:	Not reported
Mailing Address:	MACARTHUR COURT
Mailing City,State,Zip:	NEWPORT BEACH, CA 92660
Owner Name:	Btc Iii Etiwanda Commerce Center Lp
Owner Type:	Private
Operator Name:	Btc Iii Etiwanda Commerce Center Lp
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220629
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2009

ETIWANDA GENERATING STATION (Continued) **1001217613**

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D002
Waste Description:	Corrosive Waste
Waste Code:	D003
Waste Description:	Reactive Waste
Waste Code:	D004
Waste Description:	Arsenic
Waste Code:	D005
Waste Description:	Barium
Waste Code:	D007
Waste Description:	Chromium
Waste Code:	D008
Waste Description:	Lead
Waste Code:	D009
Waste Description:	Mercury
Waste Code:	D018
Waste Description:	Benzene
Waste Code:	D035
Waste Description:	Methyl Ethyl Ketone
Waste Code:	D039
Waste Description:	Tetrachloroethylene
Waste Code:	F001
Waste Description:	The Following Spent Halogenated Solvents Used In Degreasing: Tetrachloroethylene, Trichlorethylene, Methylene Chloride, 1,1,1-Trichloroethane, Carbon Tetrachloride And Chlorinated Fluorocarbons; All Spent Solvent Mixtures/Blends Used In Degreasing

ETIWANDA GENERATING STATION (Continued) **1001217613**

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 Description: 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 Solvents Listed In F001, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F003
Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F005
Waste Description: The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: U133
Waste Description: Hydrazine (R,T)

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: BTC III ETIWANDA COMMERCE CENTER LP
Legal Status: Private
Date Became Current: 20210809
Date Ended Current: Not reported
Owner/Operator Address: 518 17TH STREET
Owner/Operator City,State,Zip: DENVER, CO 80202
Owner/Operator Telephone: 949-892-4911
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: CHRIS.SANFORD@BLACKCREEKGROUP.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: ETIWANDA GENERATING STATION
Legal Status: Private
Date Became Current: 19980408

ETIWANDA GENERATING STATION (Continued) **1001217613**

Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: RELIANT ENERGY ETIWANDA GENERATING STATI
Legal Status: Private
Date Became Current: 19980407
Date Ended Current: Not reported
Owner/Operator Address: 8996 ETIWANDA AVE
Owner/Operator City,State,Zip: ETIWANDA, CA 91739
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RELIANT ENERGY ETIWANDA GENERATING STATI
Legal Status: Private
Date Became Current: 19980407
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: NRG CALIFORNIA SOUTH LP
Legal Status: Private
Date Became Current: 19980406
Date Ended Current: Not reported
Owner/Operator Address: 8996 ETIWANDA AVE
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: 909-899-7290
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: RELIANT ENERGY ETIWANDA GENERATING STATI
Legal Status: Private
Date Became Current: 19980407
Date Ended Current: Not reported
Owner/Operator Address: 8996 ETIWANDA AVE
Owner/Operator City,State,Zip: ETIWANDA, CA 91739
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

ETIWANDA GENERATING STATION (Continued) **1001217613**

Owner/Operator Name: BTC III ETIWANDA COMMERCE CENTER LP
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 4675 MACARTHUR COURT
Owner/Operator City,State,Zip: NEWPORT BEACH, CA 92660
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RELIANT ENERGY ETIWANDA GENERATING STATI
Legal Status: Private
Date Became Current: 19980407
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RRI ENERGY-ETIWANDA GENERATING STATION
Legal Status: Private
Date Became Current: 19980331
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BTC III ETIWANDA COMMERCE CENTER LP
Legal Status: Private
Date Became Current: 20190308
Date Ended Current: Not reported
Owner/Operator Address: 518 17TH ST 17TH FLR
Owner/Operator City,State,Zip: DENVER, CO 80202
Owner/Operator Telephone: 303-597-0483
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: THOMAS.DICIOLLI@GENON.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: MOUNTAIN VISTA POWER GEN LLC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 8996 ETIWANDA AVE
Owner/Operator City,State,Zip: ETIWANDA, CA 91739
Owner/Operator Telephone: 909-899-7253
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

ETIWANDA GENERATING STATION (Continued) **1001217613**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BTC III ETIWANDA COMMERCE CENTER LP
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 518 17TH STREET
Owner/Operator City,State,Zip: DENVER, CO 80202
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: RELIANT ENERGY
Legal Status: Private
Date Became Current: 19971205
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BTC III ETIWANDA COMMERCE CENTER LP
Legal Status: Private
Date Became Current: 20210809
Date Ended Current: Not reported
Owner/Operator Address: 4675 MACARTHUR COURT
Owner/Operator City,State,Zip: NEWPORT BEACH, CA 92660
Owner/Operator Telephone: 949-892-4911
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: CHRIS.SANFORD@BLACKCREEKGROUP.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: RELIANT ENERGY ETIWANDA GENERATING STATI
Legal Status: Private
Date Became Current: 19980407
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: GENON WEST LP
Legal Status: Private
Date Became Current: 20101231
Date Ended Current: Not reported
Owner/Operator Address: 8996 ETIWANDA AVE
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739

ETIWANDA GENERATING STATION (Continued) **1001217613**

Owner/Operator Telephone: 909-899-7290
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: BTC III ETIWANDA COMMERCE CENTER LP
Legal Status: Private
Date Became Current: 20210809
Date Ended Current: Not reported
Owner/Operator Address: 518 17TH STREET
Owner/Operator City,State,Zip: DENVER, CO 80202
Owner/Operator Telephone: 949-892-4911
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: CHRIS.SANFORD@BLACKCREEKGROUP.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: RELIANT ENERGY
Legal Status: Private
Date Became Current: 19971205
Date Ended Current: Not reported
Owner/Operator Address: 8996 ETIWANDA AVE
Owner/Operator City,State,Zip: RANCHO CUCUAMONGA, CA 91739
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: RRI ENERGY-ETIWANDA GENERATING STATION
Legal Status: Private
Date Became Current: 19980331
Date Ended Current: Not reported
Owner/Operator Address: 8996 ETIWANDA AVE
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: 909-899-7260
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GENON WEST LP
Legal Status: Private
Date Became Current: 20101231
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: GENON CALIFORNIA SOUTH LP
Legal Status: Private
Date Became Current: 20190308

ETIWANDA GENERATING STATION (Continued) **1001217613**

Date Ended Current: Not reported
Owner/Operator Address: 8996 ETIWANDA BLVD
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: 805-986-7241
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: 805-986-7245
Owner/Operator Email: THOMAS.DICIOLLI@GENON.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: BTC III ETIWANDA COMMERCE CENTER LP
Legal Status: Private
Date Became Current: 20190308
Date Ended Current: Not reported
Owner/Operator Address: 4675 MACARTHUR CT STE 625
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 92660
Owner/Operator Telephone: 805-986-7241
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: 805-986-7245
Owner/Operator Email: THOMAS.DICIOLLI@GENON.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: BTC III ETIWANDA COMMERCE CENTER LP
Legal Status: Private
Date Became Current: 20190308
Date Ended Current: Not reported
Owner/Operator Address: 518 17TH ST 17TH FLR
Owner/Operator City,State,Zip: DENVER, CO 80202
Owner/Operator Telephone: 303-597-0483
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: THOMAS.DICIOLLI@GENON.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: BTC III ETIWANDA COMMERCE CENTER LP
Legal Status: Private
Date Became Current: 20210809
Date Ended Current: Not reported
Owner/Operator Address: 4675 MACARTHUR COURT
Owner/Operator City,State,Zip: NEWPORT BEACH, CA 92660
Owner/Operator Telephone: 949-892-4911
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: CHRIS.SANFORD@BLACKCREEKGROUP.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: NRG CALIFORNIA SOUTH LP
Legal Status: Private
Date Became Current: 19980406
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

ETIWANDA GENERATING STATION (Continued) **1001217613**

Owner/Operator Name: NRG CALIFORNIA SOUTH LP
Legal Status: Private
Date Became Current: 20130528
Date Ended Current: Not reported
Owner/Operator Address: 8996 ETIWANDA AVE
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: 909-899-7241
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GENON CALIFORNIA SOUTH LP
Legal Status: Private
Date Became Current: 20190308
Date Ended Current: Not reported
Owner/Operator Address: 6635 S EDISON DR
Owner/Operator City,State,Zip: OXNARD, CA 93033
Owner/Operator Telephone: 805-986-7241
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: 805-986-7245
Owner/Operator Email: THOMAS.DICIOLLI@GENON.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: BTC III ETIWANDA COMMERCE CENTER LP
Legal Status: Private
Date Became Current: 20190308
Date Ended Current: Not reported
Owner/Operator Address: 4675 MACARTHUR CT STE 625
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 92660
Owner/Operator Telephone: 805-986-7241
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: 805-986-7245
Owner/Operator Email: THOMAS.DICIOLLI@GENON.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: RELIANT ENERGY ETIWANDA GENERATING STATI
Legal Status: Private
Date Became Current: 19980407
Date Ended Current: Not reported
Owner/Operator Address: 8996 ETIWANDA AVE.
Owner/Operator City,State,Zip: ETIWANDA, CA 91739
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20100120
Handler Name: RRI ENERGY ETIWANDA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No

ETIWANDA GENERATING STATION (Continued) **1001217613**

Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160229
Handler Name: ETIWANDA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20220224
Handler Name: ETIWANDA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20060223
Handler Name: RELIANT ENERGY ETIWANDA GENERATING STATI
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980402
Handler Name: MOUNTAIN VISTA POWER GENERATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20110328

ETIWANDA GENERATING STATION (Continued) **1001217613**

Handler Name: ETIWANDA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20130729
Handler Name: ETIWANDA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20190805
Handler Name: ETIWANDA GENERATING STATION
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20210702
Handler Name: BTC III ETIWANDA COMMERCE CENTER LP
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20210805
Handler Name: BTC III ETIWANDA COMMERCE CENTER LP
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No

ETIWANDA GENERATING STATION (Continued) **1001217613**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20210825
Handler Name: ETIWANDA GENERATING STATION
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20220111
Handler Name: ETIWANDA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20001012
Handler Name: ETIWANDA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020228
Handler Name: RELIANT ENERGY ETIWANDA L.L.C.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

ETIWANDA GENERATING STATION (Continued) **1001217613**

Electronic Manifest Broker: Not reported

Receive Date: 20040121
Handler Name: RELIANT ENERGY ETIWANDA INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060223
Handler Name: RELIANT ENERGY ETIWANDA GENERATING STATI
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080208
Handler Name: RELIANT ENERGY ETIWANDA GENERATING STATI
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 2211
NAICS Description: ELECTRIC POWER GENERATION, TRANSMISSION AND DISTRIBUTION

NAICS Code: 221112
NAICS Description: FOSSIL FUEL ELECTRIC POWER GENERATION

NAICS Code: 531390
NAICS Description: OTHER ACTIVITIES RELATED TO REAL ESTATE

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

ETIWANDA GENERATING STATION (Continued) **1001217613**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20190110
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	CUPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

TSCA:

Site Name:	ETIWANDA GENERATING STATION
Site Address:	8996 ETIWANDA AVE
Site City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site County:	Not reported
Facility ID:	Not reported

ETIWANDA GENERATING STATION (Continued) **1001217613**

TSCA 2012-2015:

Consolidated ID:	924214
Chemical ID Number:	7664-41-7
Stripped Chemical ID NUmber:	7664417
Chemical Name:	Ammonia
Activity:	Domestically Manufactured
DOM MFG LB:	47738
Imported LB:	0
Dom Import:	47738
Imported Never at Site:	Not reported
Volume Used:	47738
Volume Exported:	0
Number of Workers:	At least 25 but fewer than 50 workers
Max Concentration:	At least 1 but less than 30% by weight
Chemical Recycled:	NO
Physical Forms:	Liquid
PPV 2014:	78651
PPV 2013:	10369
PPV 2012:	83477
Parent Company Name:	NRG ENERGY, INC.
Parent Address:	8996 Etiwanda Ave
Parent Supplemental Address:	Not reported
Parent City:	Rancho Cucamonga
Parent County:	San Bernardino
Parent State:	CA
Parent Zip:	91739
Submitter First Name:	lee
Submitter Middle Initial:	Not reported
Submitter Last Name:	moore
Submitter Suffix:	Not reported
Submitter Title:	Mr
Site Name:	ETIWANDA GENERATING STATION
Site Address:	8996 ETIWANDA AVE
Site Supplemental Address:	Not reported
Site City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site County:	SAN BERNARDINO, CA
NAT AGG PVV 2015:	30,000,000,000 - <40,000,000,000 lbs
NAT AGG PVV 2014:	30,000,000,000 - <40,000,000,000 lbs
NAT AGG PVV 2013:	30,000,000,000 - <40,000,000,000 lbs
NAT AGG PVV 2012:	30,000,000,000 - <40,000,000,000 lbs

2012-2015 Industrial:

Consolidated ID:	924214
Type Process Use:	Processing as a reactant
Sector:	Utilities
Function Category:	Oxidizing/reducing agents
Percent Product Volume:	100
Number of Sites:	Fewer than 10 sites
Number of Workers:	At least 25 but fewer than 50 workers

FINDS:

Registry ID: 110002414138

Click Here for FRS Facility Detail Report:

ETIWANDA GENERATING STATION (Continued) **1001217613**

Environmental Interest/Information System:

The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).
ICIS-Air (AIR) AIR is the modernization of the Air Facility System (AFS) into the Integrated Compliance Information System (ICIS). AIR contains enforcement, compliance, and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies.
California's Hazardous Waste Tracking System Data Mart (HWTS-DATAMART) provides information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
The Emissions & Generation Resource Integrated Database (EGRID) contains data on emissions and resources mix for virtually every power plant and company that generates electricity in the United States.
THE EMISSION INVENTORY SYSTEM (EIS) MAINTAINS AN INVENTORY OF LARGE STATIONARY SOURCES AND VOLUNTARILY-REPORTED SMALLER SOURCES OF AIR POINT POLLUTANT EMITTERS. IT CONTAINS INFORMATION ABOUT FACILITY SITES AND THEIR PHYSICAL LOCATION, EMISSIONS UNITS, EMISSIONS PROCESSES, RELEASE POINTS, CONTROL APPROACHES, AND REGULATIONS. FACILITY INVENTORY DATA ARE KEPT SEPARATE FROM THE EMISSIONS DATA AND HAVE STABLE IDENTIFIERS TO IMPROVE CONTINUITY FROM YEAR TO YEAR AND TO HELP IDENTIFY DUPLICATE OR MISSING FACILITIES
The database that supports the Toxic Substances Control Act (TSCA) of 1976, which provides EPA with authority to require reporting, record-keeping and testing requirements, and restrictions relating to chemical substances and/or mixtures. Certain substances are generally excluded from TSCA, including, among others, food, drugs, cosmetics and pesticides. TSCA addresses the production, importation, use, and disposal of specific chemicals including polychlorinated biphenyls (PCBs), asbestos, radon and lead-based paint.
The Air Facility System (AFS) contains compliance and permit data for stationary sources of air pollution regulated by the EPA, state, and local air pollution agencies.
THE ELECTRONIC GREENHOUSE GAS REPORTING TOOL (E-GGRT) IS ACCESSIBLE THROUGH AN EPA WEB PAGE AND USED TO SUBMIT ANNUAL REPORTS IN SUPPORT OF THE EPA RULE FOR MANDATORY REPORTING OF GREENHOUSE GASES (GHG) FROM LARGE GHG EMISSIONS SOURCES. IMPLEMENTATION OF 40 CFR PART 98 IS REFERRED TO AS THE GREENHOUSE GAS REPORTING PROGRAM (GHGRP). THIS COMPREHENSIVE, NATIONWIDE EMISSIONS DATA WILL PROVIDE A BETTER UNDERSTANDING OF THE SOURCES OF GHGS AND WILL GUIDE DEVELOPMENT OF THE POLICIES AND PROGRAMS TO REDUCE EMISSIONS. THE PUBLICALLY AVAILABLE DATA WILL ALLOW REPORTERS TO TRACK THEIR OWN EMISSIONS, COMPARE THEM TO SIMILAR FACILITIES, AND AID IN IDENTIFYING COST EFFECTIVE OPPORTUNITIES TO REDUCE EMISSIONS IN THE FUTURE.
The Safe Drinking Water Information System contains information about public water systems and their violations of EPA's drinking water regulations.
The Integrated Compliance Information System (ICIS) provides a database that, when complete, will contain integrated enforcement and compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information.

ETIWANDA GENERATING STATION (Continued) **1001217613**

Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained in ICIS by EPA in the Regional offices and it at Headquarters. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.
THE ENERGY INFORMATION ADMINISTRATION (EIA) IS AN INDEPENDENT AGENCY WITHIN THE U.S. DEPARTMENT OF ENERGY THAT DEVELOPS SURVEYS, COLLECTS ENERGY DATA, AND DOES ANALYTICAL AND MODELING ANALYSES OF ENERGY ISSUES. THE EIA-860 DATABASE SUPPORTS THE ANNUAL ELECTRIC GENERATOR REPORT AND CONTAINS ELECTRIC UTILITY AND NON-UTILITY (INCLUDING INDEPENDENT POWER PRODUCERS, COMBINED HEAT AND POWER PRODUCERS, AND OTHER INDUSTRIALS) GENERATOR-SPECIFIC PLANT DATA, INCLUDING COUNTY AND STATE LOCATION AND OWNERSHIP INFORMATION
The Clean Air Markets Division Business System (CAMDBS) supports the implementation of market-based air pollution control programs administered by the EPA Clean Air Markets Division, within the Office of Air and Radiation. Programs include the Acid Rain Program and regional programs designed to reduce the transport of ozone.
All generators and treatment, storage, and disposal (TSD) facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years. The data collected is used to create the National Biennial Resource Conservation and Recovery Act (RCRA) Hazardous Waste Report. This data is processed within the RCRA Information (RCRAInfo) database
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

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

ECHO:

Envid:	1001217613
Registry ID:	110002414138
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002414138
Name:	ETIWANDA GENERATING STATION
Address:	8996 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739

B5 **GENERATING STATION,ETIWANDA** **WMUDS/SWAT** **S103442798**
East **8996 ETIWANDA AVENUE** **CHMIRS** **N/A**
< 1/8 **RANCHO CUCAMONGA CA, CA 91739**
0.006 mi.
30 ft. **Site 4 of 11 in cluster B**

Relative: **Lower**

Actual: **1114 ft.**

WMUDS/SWAT:

Edit Date:	Not reported
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

GENERATING STATION,ETIWANDA (Continued) **S103442798**

	disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.
Primary Waste:	PROCES
Primary Waste Type:	Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
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:	Private
Agency Name:	MOUNTAIN VISTA POWER GEN., LLC
Agency Department:	Not reported
Agency Address:	1111 LOUISIANA, 16TH FLOOR
Agency City,St,Zip:	HOUSTON TX 77002
Agency Contact:	F. J. MEYER
Agency Telephone:	7132076000
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	8
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 Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	4911
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	True
Resource Conservation Recovery Act:	True
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Sub Chapter 15:	True
Regional Board Project Officer:	RA
Number of WMUDS at Facility:	1

GENERATING STATION,ETIWANDA (Continued) **S103442798**

Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	A
Self-Monitoring Rept. Frequency:	Quarterly Submittal
Waste Discharge System ID:	8 362300001
Solid Waste Information ID:	Not reported

CHMIRS:

Name:	Not reported
Address:	8996 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
OES Incident Number:	9-2781
OES notification:	07/01/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Chadwick 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:	1999
Agency:	Etiwanda Generating Station
Incident Date:	6/30/199912:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Utilities/Substation

GENERATING STATION,ETIWANDA (Continued) **S103442798**

E Date:	Not reported
Substance:	Cooling Tower Water
Gallons:	500
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Equipment malfuntion caused release. 500 gallons went into Chadwick Channel (dry Channel) which eventually ends up at the Santa Ana River. Recovered all substance utilizing vacuum trucks. Nothing left the property

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B6 **NRG ENERGY INC** **CHMIRS S109287182**
East **8996 ETIWANDA AVENUE** **LDS N/A**
< 1/8 **ETIWANDA, CA 91739** **NPDES**
0.006 mi. **San Bern. Co. Permit**
30 ft. **Site 5 of 11 in cluster B** **CIWQS**
CERS

Relative:
Lower

Actual:
1114 ft.

CHMIRS:

Name:	Not reported
Address:	8996 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
OES Incident Number:	10-1543
OES notification:	03/03/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported

NRG ENERGY INC (Continued) **S109287182**

Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Utilities/Substation
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1600
Year:	2010
Agency:	RRI Energy
Incident Date:	3/3/2010
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Lube Oil
Quantity Released:	35
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Oil lines on a piece of equipment appear to have broken causing the spill.

LDS:

Name:	GENERATING STATION,ETIWANDA
Address:	8996 ETIWANDA
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Global Id:	L10004706415
Latitude:	34.09077
Longitude:	-117.5237
Case Type:	Land Disposal Site
Status:	Completed - Case Closed
Status Date:	11/22/2006

NRG ENERGY INC (Continued) **S109287182**

Lead Agency:	Not reported
Caseworker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
LOC Case Number:	Not reported
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	L10004706415
Potential Contaminants of Concern:	Not reported
EPA Region:	9
Coordinate Source:	Google Geocode
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	11/22/2006
Leak Reported Date:	Not reported
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	11/22/2006
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	91-95%
CA Enviroscreen 4 Score:	65-70%
Military DOD Site:	No
Facility Project Subtype:	Title 27 - Municipal Solid Waste Landfill
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

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

NPDES:

Name:	NRG ENERGY INC
Address:	8996 ETIWANDA AVENUE
City,State,Zip:	ETIWANDA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36I013924
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported

NRG ENERGY INC (Continued) **S109287182**

Discharge Zip:	Not reported
Status:	Terminated
Status Date:	09/13/2018
Operator Name:	Etiwanda Generating Station
Operator Address:	8996 Etiwanda Ave
Operator City:	Etiwanda
Operator State:	California
Operator Zip:	91739

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213436
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I013924
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/24/1998
Status:	Active
Status Date:	04/24/1998
Place Size:	64
Place Size Unit:	Acres
Contact:	Marco Tule
Contact Title:	Environmental Specialist
Contact Phone:	909-899-7290
Contact Phone Ext:	Not reported
Contact Email:	Lee.Moore@nrg.com
Operator Name:	Etiwanda Generating Station
Operator Address:	8996 Etiwanda Ave
Operator City:	Etiwanda
Operator State:	California
Operator Zip:	91739
Operator Contact:	Lee Moore
Operator Contact Title:	Plant Manager
Operator Contact Phone:	909-899-7290
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	lee.moore@nrg.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported

NRG ENERGY INC (Continued) **S109287182**

Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Y
Receiving Water Name:	Chadwick Channel then Santa Ana River
Certifier:	Lee Moore
Certifier Title:	Plant Manager
Certification Date:	19-JUN-15
Primary Sic:	4911-Electric Services
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213436
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I013924
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/24/1998
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Etiwanda Generating Station
Discharge Address:	8996 Etiwanda Ave
Discharge City:	Etiwanda
Discharge State:	California
Discharge Zip:	91739
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported

NRG ENERGY INC (Continued) **S109287182**

Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:

Name:	ETIWANDA GENERATING STATION
Address:	8996 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0002943
Owner:	BTC II ETIWANDA COMMERCE CENTER LP
Permit Number:	PT0002264
Permit Category:	HAZARDOUS MATERIALS 11-30 CHEMICALS

NRG ENERGY INC (Continued) **S109287182**

Facility Status: INACTIVE
Expiration Date: 09/30/2023

Name: ETIWANDA GENERATING STATION
Address: 8996 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0002943
Owner: BTC II ETIWANDA COMMERCE CENTER LP
Permit Number: PT0002263
Permit Category: RCRA LARGE QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 09/30/2023

Name: ETIWANDA GENERATING STATION
Address: 8996 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0002943
Owner: BTC II ETIWANDA COMMERCE CENTER LP
Permit Number: PT0015103
Permit Category: RMP INSPECTION - PROGRAM 1
Facility Status: INACTIVE
Expiration Date: 09/30/2019

Name: ETIWANDA GENERATING STATION
Address: 8996 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0002943
Owner: BTC II ETIWANDA COMMERCE CENTER LP
Permit Number: PT0013930
Permit Category: CALARP STATE FEE
Facility Status: INACTIVE
Expiration Date: 09/30/2019

Name: ETIWANDA GENERATING STATION
Address: 8996 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0002943
Owner: BTC II ETIWANDA COMMERCE CENTER LP
Permit Number: PT0038095
Permit Category: RCRA LARGE QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 09/30/2019

Name: ETIWANDA GENERATING STATION
Address: 8996 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0002943
Owner: BTC II ETIWANDA COMMERCE CENTER LP
Permit Number: PT0002265
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: INACTIVE
Expiration Date: 09/30/2019

NRG ENERGY INC (Continued) **S109287182**

Name: ETIWANDA GENERATING STATION
Address: 8996 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0002943
Owner: BTC II ETIWANDA COMMERCE CENTER LP
Permit Number: PT0013931
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 09/30/2013

Name: ETIWANDA GENERATING STATION
Address: 8996 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0002943
Owner: BTC II ETIWANDA COMMERCE CENTER LP
Permit Number: PT0013929
Permit Category: CALARP FACILITY PERMIT
Facility Status: INACTIVE
Expiration Date: 09/30/2013

Name: ETIWANDA GENERATING STATION
Address: 8996 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0002943
Owner: BTC II ETIWANDA COMMERCE CENTER LP
Permit Number: PT0002262
Permit Category: CE ANNUAL FEE
Facility Status: INACTIVE
Expiration Date: 09/30/2003

CIWQS:
Name: GENERATING STATION,ETIWANDA
Address: 8996 ETIWANDA
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Agency: Mountain Vista Power Generation LLC
Agency Address: 1111 Louisiana Street 16 Floor, Houston, TX 77002
Place/Project Type: Other
SIC/NAICS: 4911
Region: 8
Program: LNDISP
Regulatory Measure Status: Historical
Regulatory Measure Type: WDR
Order Number: 94-021
WDID: 8 362300001
NPDES Number: Not reported
Adoption Date: 01/28/1994
Effective Date: 01/28/1994
Termination Date: 07/19/2001
Expiration/Review Date: 01/26/2004
Design Flow: 0
Major/Minor: Not reported
Complexity: A
TTWQ: 2
Enforcement Actions within 5 years: 0

NRG ENERGY INC (Continued) **S109287182**

Violations within 5 years:	0
Latitude:	34.090764
Longitude:	-117.523795
Name:	NRG ENERGY INC
Address:	8996 ETIWANDA AVENUE
City,State,Zip:	ETIWANDA, CA 91739
Agency:	Southern California Edison
Agency Address:	14005 S Benson Ave, Chino, CA 91710
Place/Project Type:	Industrial - Electric Services
SIC/NAICS:	4911
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I006396
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/24/1992
Termination Date:	09/18/2000
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.09076
Longitude:	-117.52379
Name:	NRG ENERGY INC
Address:	8996 ETIWANDA AVENUE
City,State,Zip:	ETIWANDA, CA 91739
Agency:	Etiwanda Generating Station
Agency Address:	8996 Etiwanda Ave 8996 Etiwanda Ave., Etiwanda, CA 91739
Place/Project Type:	Industrial - Electric Services
SIC/NAICS:	4911
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I013924
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/24/1998
Termination Date:	09/13/2018
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.09076
Longitude:	-117.52379

NRG ENERGY INC (Continued) **S109287182**

CERS:
Name: ETIWANDA GENERATING STATION
Address: 8996 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 392272
CERS ID: 10038976
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-10-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-10-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: APSA INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2014
Violations Found: No

NRG ENERGY INC (Continued) **S109287182**

Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION-ETIWANDA GEN
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION-ETIWANDA GEN
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-15-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-10-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-15-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department

NRG ENERGY INC (Continued) **S109287182**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE CALARP INSPECTION-ETIWANDA GEN
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-01-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-01-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 392272
Site Name: ETIWANDA GENERATING STATION
Site Address: 8996 ETIWANDA AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 10-21-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UNSPEC
Enf Action Source: CERS,

Coordinates:
Site ID: 392272
Facility Name: ETIWANDA GENERATING STATION
Env Int Type Code: FRS-AIR
Program ID: 110002414138
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.089840
Longitude: -117.523830

Affiliation:
Affiliation Type Desc: Identification Signer

NRG ENERGY INC (Continued) **S109287182**

Entity Name: Sheila Reilly
Entity Title: Environmental Consultant
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: BTC III Etiwanda Commerce Center LP
Entity Title: Not reported
Affiliation Address: 4675 MacArthur Court, Ste 625
Affiliation City: Newport Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92660
Affiliation Phone: (949) 892-4911,

Affiliation Type Desc: Administrative Contact
Entity Name: LACROIX PAUL
Entity Title: Not reported
Affiliation Address: 8996 ETIWANDA AVE
Affiliation City: ETIWANDA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Environmental Contact
Entity Name: JOHN SLAYTON
Entity Title: Not reported
Affiliation Address: 2500 E VICTORIA ST
Affiliation City: COMPTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 4675 MacArthur Court, Ste 625
Affiliation City: Newport Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92660

NRG ENERGY INC (Continued) **S109287182**

Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: BTC III Etiwanda Commerce Center LP
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (949) 294-0835,

Affiliation Type Desc: Parent Corporation
Entity Name: BTC III Etiwanda Commerce Center LP
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: RAY AKHTARSHAD SANTA ANA RWQCB REGN 8
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREETNA SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: MARCO TULE
Entity Title: Not reported
Affiliation Address: 8996 ETIWANDA AVE
Affiliation City: RANCHOCUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Sheila Reilly
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: JAY K BELLINGHAM
Entity Title: VP PLANT OPERATIONS WEST REGION
Affiliation Address: 5970 FLEET STREET
Affiliation City: CARLSBAD

NRG ENERGY INC (Continued) **S109287182**

Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Lee Moore
Entity Title:	Plant Manager
Affiliation Address:	8996 ETIWANDA AVENUE
Affiliation City:	RANCHOCUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	SHARENE SHEALEY
Entity Title:	MANAGER, AIR RESOURCES
Affiliation Address:	WILL COUNTY GENERATING STATION529 E 135TH STREET
Affiliation City:	ROMEOVILLE
Affiliation State:	IL
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Steve Williams
Entity Title:	Not reported
Affiliation Address:	1920 Main Street, Ste 300
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92614
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	BTC III Etiwanda Commerce Center LP
Entity Title:	Not reported
Affiliation Address:	4675 MacArthur Court, Ste 625
Affiliation City:	Newport Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92660
Affiliation Phone:	(949) 892-4911,
Name:	GENERATING STATION,ETIWANDA
Address:	8996 ETIWANDA
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	205442
CERS ID:	226993
CERS Description:	Land Disposal
Name:	ETIWANDA GENERATING STATION
Address:	8996 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	392272

NRG ENERGY INC (Continued) **S109287182**

CERS ID: 110002414138
CERS Description: US EPA Air Emission Inventory System (EIS)

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-10-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-10-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: APSA INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION-ETIWANDA GEN
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

NRG ENERGY INC (Continued) **S109287182**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION-ETIWANDA GEN
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-15-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-10-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 03-15-2023
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2014
Violations Found: No

NRG ENERGY INC (Continued) **S109287182**

Eval Type: Routine done by local agency
Eval Notes: ROUTINE CALARP INSPECTION-ETIWANDA GEN
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-01-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-01-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 392272
Site Name: ETIWANDA GENERATING STATION
Site Address: 8996 ETIWANDA AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 10-21-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UNSPEC
Enf Action Source: CERS,

Coordinates:
Site ID: 392272
Facility Name: ETIWANDA GENERATING STATION
Env Int Type Code: FRS-AIR
Program ID: 110002414138
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.089840
Longitude: -117.523830

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Sheila Reilly
Entity Title: Environmental Consultant
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

NRG ENERGY INC (Continued) **S109287182**

Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: BTC III Etiwanda Commerce Center LP
Entity Title: Not reported
Affiliation Address: 4675 MacArthur Court, Ste 625
Affiliation City: Newport Beach
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92660
Affiliation Phone: (949) 892-4911,

Affiliation Type Desc: Administrative Contact
Entity Name: LACROIX PAUL
Entity Title: Not reported
Affiliation Address: 8996 ETIWANDA AVE
Affiliation City: ETIWANDA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Environmental Contact
Entity Name: JOHN SLAYTON
Entity Title: Not reported
Affiliation Address: 2500 E VICTORIA ST
Affiliation City: COMPTON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 4675 MacArthur Court, Ste 625
Affiliation City: Newport Beach
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92660
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: BTC III Etiwanda Commerce Center LP
Entity Title: Not reported
Affiliation Address: Not reported

NRG ENERGY INC (Continued) **S109287182**

Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (949) 294-0835,

Affiliation Type Desc: Parent Corporation
Entity Name: BTC III Etiwanda Commerce Center LP
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: RAY AKHTARSHAD SANTA ANA RWQCB REGN 8
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREETNA SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: MARCO TULE
Entity Title: Not reported
Affiliation Address: 8996 ETIWANDA AVE
Affiliation City: RANCHOCUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Sheila Reilly
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: JAY K BELLINGHAM
Entity Title: VP PLANT OPERATIONS WEST REGION
Affiliation Address: 5970 FLEET STREET
Affiliation City: CARLSBAD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact

NRG ENERGY INC (Continued) **S109287182**

Entity Name:	Lee Moore
Entity Title:	Plant Manager
Affiliation Address:	8996 ETIWANDA AVENUE
Affiliation City:	RANCHOCUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	SHARENE SHEALEY
Entity Title:	MANAGER, AIR RESOURCES
Affiliation Address:	WILL COUNTY GENERATING STATION529 E 135TH STREET
Affiliation City:	ROMEOVILLE
Affiliation State:	IL
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Steve Williams
Entity Title:	Not reported
Affiliation Address:	1920 Main Street, Ste 300
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92614
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	BTC III Etiwanda Commerce Center LP
Entity Title:	Not reported
Affiliation Address:	4675 MacArthur Court, Ste 625
Affiliation City:	Newport Beach
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92660
Affiliation Phone:	(949) 892-4911,
Name:	GENERATING STATION,ETIWANDA
Address:	8996 ETIWANDA
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	205442
CERS ID:	L10004706415
CERS Description:	Land Disposal Site

B7 **SOUTHERN CALIFORNIA EDISON - ETIWANDA GENERATING S** **ENVIROSTOR** **S108206306**
East **8998 ETIWANDA AVENUE** **San Bern. Co. Permit** **N/A**
< 1/8 **SAN BERNARDINO, CA 91739**
0.006 mi.
30 ft. **Site 6 of 11 in cluster B**

Relative: ENVIROSTOR:
Lower

Name:	SOUTHERN CALIFORNIA EDISON - ETIWANDA GENERATING STATION
Address:	8998 ETIWANDA AVENUE
City,State,Zip:	SAN BERNARDINO, CA 91739
Facility ID:	60001192

Actual:
1114 ft.

SOUTHERN CALIFORNIA EDISON - ETIWANDA GENERATING STATION (Continued) **S108206306**

Status: Active
Status Date: 02/02/1995
Site Code: 401967
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 37
NPL: NO
Regulatory Agencies: HWMP
Lead Agency: HWMP
Program Manager: Steven Rounds
Supervisor: Andres Cano
Division Branch: Cleanup Chatsworth
Assembly: 50
Senate: 29
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.08999
Longitude: -117.5240
APN: NONE SPECIFIED
Past Use: ABOVE GROUND STORAGE TANKS
Potential COC: Polychlorinated biphenyls (PCBs Vanadium and compounds
Confirmed COC: 30587-NO 30018-NO
Potential Description: SOIL
Alias Name: CAD079548574
Alias Type: EPA Identification Number
Alias Name: 400437
Alias Type: Project Code (Site Code)
Alias Name: 401962
Alias Type: Project Code (Site Code)
Alias Name: 401967
Alias Type: Project Code (Site Code)
Alias Name: 60001192
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 09/10/2012
Comments: NOE sent to CEQA unit for filing with State Clearinghouse.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Judicial Order
Completed Date: 02/06/1995
Comments: Order signed and recorded.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/29/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report

SOUTHERN CALIFORNIA EDISON - ETIWANDA GENERATING STATION (Continued) **S108206306**

Completed Date: 01/19/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/14/2010
Comments: Review of annual groundwater monitoring results - no letter issued to facility

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/02/2011
Comments: DTSC internal review, no letter issued

Completed Area Name: Black Creek Parcel - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 06/03/2021
Comments: Not reported

Completed Area Name: IEUA PARCEL
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 06/08/2021
Comments: Not reported

Future Area Name: Black Creek Parcel - MULTIPLE SITES
Future Sub Area Name: Not reported
Future Document Type: RFI Report
Future Due Date: 2023
Schedule Area Name: IEUA PARCEL
Schedule Sub Area Name: Not reported
Schedule Document Type: RFI Report
Schedule Due Date: 05/28/2023
Schedule Revised Date: Not reported

San Bern. Co. Permit:
Name: ETIWANDA FACILITY
Address: 8998 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0002929
Owner: PACIFIC TERMINALS
Permit Number: PT0009394
Permit Category: HAZARDOUS WASTE GENERATOR - 0-10 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 08/31/2004

Name: ETIWANDA FACILITY
Address: 8998 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0002929
Owner: PACIFIC TERMINALS
Permit Number: PT0009393

SOUTHERN CALIFORNIA EDISON - ETIWANDA GENERATING STATION (Continued) **S108206306**

Permit Category: HAZMAT HANDLER 0-10 EMPLOYEES (W/GEN PRMT)
Facility Status: INACTIVE
Expiration Date: 08/31/2004

Name: ETIWANDA FACILITY
Address: 8998 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0002929
Owner: PACIFIC TERMINALS
Permit Number: PT0009397
Permit Category: ABOVEGROUND PETROLEUM STORAGE (AST) (SPCC)
Facility Status: INACTIVE
Expiration Date: 08/31/2004

B8 **EPTC ETIWANDA** **CORRACTS** **1000167575**
East **8998 ETIWANDA AVE** **RCRA NonGen / NLR** **CAD079548574**
< 1/8 **ETIWANDA, CA 91739**
0.006 mi.
30 ft. **Site 7 of 11 in cluster B**

Relative: **Lower**
Actual: **1114 ft.**

CORRACTS:
Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN RECEIVED
Actual Date: 20210324
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN MODIFICATION REQ BY AGENCY
Actual Date: 20210427
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Actual Date: 20210427
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

EPTC ETIWANDA (Continued) **1000167575**

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: NORTH WASTEWATER RETENTION BASIN
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20230310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: SOUTH WASTEWATER RETENTION BASIN
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20230310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: BOILER CHEMICAL CLEANING BASIN
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20230310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: UNITS 1 AND 2 FIRESIDE WASH DRAIN SYSTEM
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20230310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: UNITS 3 AND 4 FIRESIDE WASH DRAIN SYSTEM
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20230310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported

EPTC ETIWANDA (Continued) **1000167575**

Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: UNITS 3 AND 4 FIRESIDE WASH SYSTEM SEDIM
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20230310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: UNITS 1 AND 2 BOILER ACID WASH DRAIN SYS
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20230310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EPTC ETIWANDA
Address: 8998 ETIWANDA AVE
Address 2: Not reported
EPA ID: CAD079548574
Area Name: UNITS 3 AND 4 BOILER ACID WASH DRAIN SYS
Corrective Action: INVESTIGATION REPORT RECEIVED
Actual Date: 20230310
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

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

RCRA Listings:
Date Form Received by Agency: 20230228
Handler Name: Eptc Etiwanda
Handler Address: 8998 ETIWANDA AVE
Handler City,State,Zip: ETIWANDA, CA 91739
EPA ID: CAD079548574
Contact Name: SARA DUVALL
Contact Address: 2244 WALNUT GROVE AVENUE
Contact City,State,Zip: ROSEMEAD, CA 91770
Contact Telephone: 626-862-8458
Contact Fax: Not reported
Contact Email: SARA.DUVALL@SCE.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Private

EPTC ETIWANDA (Continued) **1000167575**

Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2244 WALNUT GROVE AVENUE
Mailing City,State,Zip:	ROSEMEAD, CA 91770
Owner Name:	So California Edison Eptc
Owner Type:	Private
Operator Name:	Southern California Edison
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20230307
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:
Waste Code: D001

EPTC ETIWANDA (Continued) **1000167575**

Waste Description: Ignitable Waste

Waste Code: D008
Waste Description: Lead

Waste Code: D018
Waste Description: Benzene

Waste Code: F001
Waste Description: The Following Spent Halogenated Solvents Used In Degreasing: Tetrachloroethylene, Trichlorethylene, Methylene Chloride, 1,1,1-Trichloroethane, Carbon Tetrachloride And Chlorinated Fluorocarbons; All Spent Solvent Mixtures/Blends Used In Degreasing Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F002
Waste Description: 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 Solvents Listed In F001, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F003
Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F005
Waste Description: The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: SOUTHERN CALIFORNIA EDISON
Legal Status: Private
Date Became Current: 19600101
Date Ended Current: Not reported
Owner/Operator Address: 2244 WALNUT GROVE AVENUE

EPTC ETIWANDA (Continued) **1000167575**

Owner/Operator City,State,Zip: ROSEMEAD, CA 91770
Owner/Operator Telephone: 626-862-8458
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: SARA.DUVALL@SCE.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: SO CALIFORNIA EDISON EPTC
Legal Status: Private
Date Became Current: 19600101
Date Ended Current: Not reported
Owner/Operator Address: 2244 WALNUT GROVE AVENUE
Owner/Operator City,State,Zip: ROSEMEAD, CA 91770
Owner/Operator Telephone: 626-862-8458
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: SARA.DUVALL@SCE.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: SO CALIFORNIA EDISON EPTC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2500 E VICTORIA ST
Owner/Operator City,State,Zip: COMPTON, CA 90220
Owner/Operator Telephone: 310-223-1904
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20230228
Handler Name: EPTC ETIWANDA
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19981020
Handler Name: EPTC ETIWANDA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

EPTC ETIWANDA (Continued) **1000167575**

Receive Date: 19900328
Handler Name: SOUTHERN CALIFORNIA EDISON ETIWAN
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920228
Handler Name: SO. CALIF. EDISON CO. ETIWANDA GEN. STA.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960227
Handler Name: SOUTHERN CALIFORNIA EDISON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990316
Handler Name: ETIWANDA GENERATING STATION
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 2211
NAICS Description: ELECTRIC POWER GENERATION, TRANSMISSION AND DISTRIBUTION

NAICS Code: 22111

EPTC ETIWANDA (Continued) **1000167575**

NAICS Description: ELECTRIC POWER GENERATION

Has the Facility Received Notices of Violations:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	19930923
Actual Return to Compliance Date:	19950201
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19930923
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19980618
Actual Return to Compliance Date:	19980716
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19980718
Enforcement Identifier:	003
Date of Enforcement Action:	19980618
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

EPTC ETIWANDA (Continued) **1000167575**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19930923
Actual Return to Compliance Date: 19950201
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19930923
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported

EPTC ETIWANDA (Continued) **1000167575**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19930923
Actual Return to Compliance Date:	19950201
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19930923
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19980618
Actual Return to Compliance Date:	19980716
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19980718
Enforcement Identifier:	003
Date of Enforcement Action:	19980618
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

EPTC ETIWANDA (Continued) **1000167575**

Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19930923
Actual Return to Compliance Date: 19950201
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19950201
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 1950000
Paid Amount: 1633200

EPTC ETIWANDA (Continued) **1000167575**

Final Count:	1
Final Amount:	1950000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	19930923
Actual Return to Compliance Date:	19950201
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	002
Date of Enforcement Action:	19950201
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	1950000
Paid Amount:	1633200
Final Count:	1
Final Amount:	1950000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19980618
Actual Return to Compliance Date:	19980716
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19980718
Enforcement Identifier:	003
Date of Enforcement Action:	19980618
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

EPTC ETIWANDA (Continued) **1000167575**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19930923
Actual Return to Compliance Date:	19950201
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	002
Date of Enforcement Action:	19950201
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	1950000
Paid Amount:	1633200

EPTC ETIWANDA (Continued) **1000167575**

Final Count: 1
Final Amount: 1950000

Evaluation Action Summary:
Evaluation Date: 19920529
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950201
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19980618
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19980716
Scheduled Compliance Date: 19980718
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920529
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950201
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920529
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950201
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19980618

EPTC ETIWANDA (Continued) **1000167575**

Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980716
Scheduled Compliance Date:	19980718
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920529
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950201
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920529
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950201
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19980618
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980716
Scheduled Compliance Date:	19980718
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920529
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported

EPTC ETIWANDA (Continued) **1000167575**

Actual Return to Compliance Date:	19950201
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

B9 **ETIWANDA PUMPING STATION & TANK FARM** **HWP** **S113128110**
East **8998 ETIWANDA AVE** **HAZNET** **N/A**
< 1/8 **ETIWANDA, CA 91739** **HWTS**
0.006 mi.
30 ft. **Site 8 of 11 in cluster B**

Relative: **Lower**
Actual: **1114 ft.**

HWP:

EPA ID:	CAD079548574
Name:	EPTC ETIWANDA
Address:	8998 ETIWANDA AVE
Cleanup Status:	CLOSED
Latitude:	34.09292
Longitude:	-117.5241
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	400437
Senate District:	29
Assembly District:	50
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	Facility Description / History: Southern California Edison facilities are located in Los Angeles County. In the 1980s, the facilities generated and then stored hazardous waste in two surface impoundments. Permitting Regulatory Description / History: Southern California Edison facilities applied for a RCRA Permit. However, DTSC did not issue the facilities a permit and were exempted from Hazardous Waste RCRA Permit fee requirements. The facilities were then granted an Interim Status documented on March 30, 1981. Then granted a Variance Status on January 29, 1987, valid for 180 days, allowing the facility to perform on-site treatment for their liquid hazardous waste. On February 1, 1995, a Final Judgement Pursuant to Stipulation, court order No. BC121219, was issued to close the Southern California Edison facilities: Alamitos, Cool Water, El Segundo, Etiwanda, Huntington Beach, Highgrove, Long Beach, Mandalay, Ormond Beach, Redondo Beach, and San Bernardino. The facilities had violated Hazardous Waste Laws and received cost penalties. In response to the court order, the Southern California Edison (SCE) performed the investigation and activities to close two wastewater retention basins that had operated without a permit or other form of authorization from the DTSC. The facilities were passed onto Corrective Action for closure. On December 21, 2011, EPTC-Etiwanda received a closure certification for their closed units.
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	RCRA
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	76-80%
Total Planned Hours:	Not reported

ETIWANDA PUMPING STATION & TANK FARM (Continued) **S113128110**

Total Planned Amount: Not reported
Total Actual Hours: Not reported

Closure:
EPA ID: CAD079548574
Facility Type: Historical - Non-Operating
Facility Name: EPTC ETIWANDA
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of Surface Impoundments
Due Date: Not reported
Comments: Facility was issued for closure on February 1, 1995. Facility units were all closed on December 21, 2011.
Unit Names: Boiler Chemical Cleaning Basin (BCCB), North Wastewaster Retention Basin, South Wastewater Retention Basin, Unit 1 Fireside Wash Drain System, Unit 1: Boiler Acid Wash Drain System, Unit 2: Boiler Acid Wash Drain Syste,, Unit 2: Fireside Wash Drain System, Unit 3: Boiler Acid Wash Drain System, Unit 3: Fireside Wash Drain System , Unit 3: Fireside Wash System Sediment Tr, Unit 4: Acid Wash Drain System, Unit 4: Fireside Wash Drain System , Unit 4: Fireside Wash System Sediment Tr
Event Description: Closure Final - CLOSURE NOTICE RECEIVED
Actual Date: 12/21/2011

EPA ID: CAD079548574
Facility Type: Historical - Non-Operating
Facility Name: EPTC ETIWANDA
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure of Surface Impoundments
Due Date: Not reported
Comments: Facility units were all closed/certified on December 21, 2011.
Unit Names: Boiler Chemical Cleaning Basin (BCCB), North Wastewaster Retention Basin, South Wastewater Retention Basin, Unit 1 Fireside Wash Drain System, Unit 1: Boiler Acid Wash Drain System, Unit 2: Boiler Acid Wash Drain Syste,, Unit 2: Fireside Wash Drain System, Unit 3: Boiler Acid Wash Drain System, Unit 3: Fireside Wash Drain System , Unit 3: Fireside Wash System Sediment Tr, Unit 4: Acid Wash Drain System, Unit 4: Fireside Wash Drain System , Unit 4: Fireside Wash System Sediment Tr
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 12/21/2015

Alias:
EPA ID: CAD079548574

ETIWANDA PUMPING STATION & TANK FARM (Continued) **S113128110**

Facility Type:	Historical - Non-Operating
Facility Name:	EPTC ETIWANDA
Facility Status:	CLOSED
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Alias Type:	Project Code (Site Code)
Alias:	400437
EPA ID:	CAD079548574
Facility Type:	Historical - Non-Operating
Facility Name:	EPTC ETIWANDA
Facility Status:	CLOSED
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Alias Type:	Alternate Name
Alias:	SCE Etiwanda
EPA ID:	CAD079548574
Facility Type:	Historical - Non-Operating
Facility Name:	EPTC ETIWANDA
Facility Status:	CLOSED
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Alias Type:	Alternate Name
Alias:	San Gabriel Generating Station

HAZNET:

Name:	ETIWANDA PUMPING STATION & TANK FARM
Address:	8998 ETIWANDA AVE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 91739
Contact:	ANN GOODINE
Telephone:	5627282851
Mailing Name:	Not reported
Mailing Address:	5900 CHERRY AVE
Year:	2005
Gepaid:	CAL000274193
TSD EPA ID:	CAD980675276
CA Waste Code:	241 - Tank bottom waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	1.69

Additional Info:

Year:	2005
Gen EPA ID:	CAL000274193
Shipment Date:	20050726
Creation Date:	10/27/2005 10:10:50
Receipt Date:	20050726
Manifest ID:	93415942

ETIWANDA PUMPING STATION & TANK FARM (Continued) **S113128110**

Trans EPA ID:	CAT080032253
Trans Name:	OC VACUUM
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.69
Waste Quantity:	3380
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	ETIWANDA PUMPING STATION & TANK FARM
Address:	8998 ETIWANDA AVE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAL000274193
Inactive Date:	08/29/2007
Create Date:	08/29/2003
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	5900 CHERRY AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LONG BEACH, CA 908054408
Owner Name:	PACIFIC TERMINALS LLC
Owner Address:	5900 CHERRY AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	LONG BEACH, CA 908054408
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	ANN GOODINE
Contact Address:	5900 CHERRY AVE
Contact Address 2:	Not reported
City,State,Zip:	LONG BEACH, CA 908054408
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.090749
Longitude:	-117.523795

NAICS:

EPA ID:	CAL000274193
Create Date:	2003-08-29 12:22:33.293
NAICS Code:	48611
NAICS Description:	Pipeline Transportation of Crude Oil
Issued EPA ID Date:	2003-08-29 12:22:33.29300

ETIWANDA PUMPING STATION & TANK FARM (Continued) **S113128110**

Inactive Date:	2007-08-29 00:00:00
Facility Name:	ETIWANDA PUMPING STATION & TANK FARM
Facility Address:	8998 ETIWANDA AVE
Facility Address 2:	Not reported
Facility City:	ETIWANDA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	91739

B10 **SCE ETIWANDA SWITCHYARD** **AST** **S104905499**
East **9000 ETIWANDA AVE** **San Bern. Co. Permit** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739** **CERS**
0.006 mi.
30 ft. **Site 9 of 11 in cluster B**

Relative:
Lower

Actual:
1114 ft.

AST:

Name:	SCE-ETIWANDA SWITCHYARD
Address:	9000 ETIWANDA
City/Zip:	RANCHO CUCAMONGA,
Certified Unified Program Agencies:	San Bernardino
Owner:	SOUTHERN CALIFORNIA EDISON
Total Gallons:	128,503
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

San Bern. Co. Permit:

Name:	SCE ETIWANDA SWITCHYARD
Address:	9000 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0000016
Owner:	Southern California Edison
Permit Number:	PT0000294
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL

SCE ETIWANDA SWITCHYARD (Continued) **S104905499**

Facility Status: ACTIVE
Expiration Date: 02/28/2024

Name: SCE ETIWANDA SWITCHYARD
Address: 9000 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000016
Owner: Southern California Edison
Permit Number: PT0020810
Permit Category: APSA EXEMPT
Facility Status: ACTIVE
Expiration Date: 02/28/2024

CERS:
Name: SCE ETIWANDA SWITCHYARD
Address: 9000 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 151555
CERS ID: 10034068
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-22-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-09-2022
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP

SCE ETIWANDA SWITCHYARD (Continued) **S104905499**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-17-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION-SCE ETIWANDA
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Coordinates:
Site ID: 151555
Facility Name: SCE Etiwanda Switchyard
Env Int Type Code: HMBP
Program ID: 10034068
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.089694
Longitude: -117.523887

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Environmental Contact
Entity Name: Environmental Notification Center
Entity Title: Not reported
Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City: Rosemead
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91770
Affiliation Phone: ,

Affiliation Type Desc: Document Preparer
Entity Name: Jeremy Gates
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)

SCE ETIWANDA SWITCHYARD (Continued) **S104905499**

Affiliation City: Rosemead
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91770
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Southern California Edison
Entity Title: Not reported
Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City: Rosemead
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91770
Affiliation Phone: (626) 302-1212,

Affiliation Type Desc: Parent Corporation
Entity Name: Southern California Edison, Transmission and Distribution Organization (TD)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Jeremy Gates
Entity Title: Senior Advisor
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Southern California Edison
Entity Title: Not reported
Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City: Rosemead
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91770
Affiliation Phone: (626) 302-1212,

Affiliation Type Desc: Operator
Entity Name: Southern California Edison
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (626) 302-1212,

B11 **CHB FOODS INC** **PFAS ECHO** **1027339885**
East **N/A**
< 1/8 **ETIWANDA, CA**
0.010 mi.
52 ft. **Site 10 of 11 in cluster B**

Relative:
Lower

Actual:
1114 ft.

PFAS ECHO:

Name:	CHB FOODS INC
Address:	Not reported
City,State,Zip:	ETIWANDA, CA
Latitude:	34.090969
Longitude:	-117.523828
Count:	1
County:	SAN BERNARDINO
Status:	Active
Region:	09
Industry:	Paints and Coatings
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110001157943
Facility Percent Minority:	74.109
Facility Derived Tribes:	San Manuel Band of Mission Indians, California - 17.2 mile(s), San Manuel Band of Mission Indians, California - 17.4 mile(s)
Facility Population:	2772.85
EPA Programs:	RCRA
Federal Facility:	No
Federal Agency:	-
Facility FIPS Code:	06071
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	18070203
Facility Derived WBD:	180702030804
Facility Derived CD113:	31
Facility Derived CB2010:	060710022071030
Facility Major Flag:	-
Facility Active Flag:	Y
Facility Inspection Count:	0
Facility Date Last Inspection:	-
Facility Days Last Inspection:	-
Facility Informal Count:	0
Facility Date Last Informal Action:	-
Facility Formal Action Count:	0
Facility Date Last Formal Action:	-
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	-
Facility Last Penalty AMT:	-
Facility QTRS With NC:	0
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-

CHB FOODS INC (Continued) **1027339885**

NPDES IDS:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDS:	CAD041580945
RCRA Permit Types:	SQG
RCRA NAICS:	332431
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	91739CLFHM8939E
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	-
EJSCREEN Flag US:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-117.523828,%22y%22:34.090969,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

B12 **VERIZON WIRELESS: CONCOURSE** **San Bern. Co. Permit** **S110071681**
ESE **9039 ETIWANDA AVE** **N/A**
< 1/8 **FONTANA, CA 92336**
0.014 mi.
74 ft. **Site 11 of 11 in cluster B**

Relative: **Lower**

Actual: **1111 ft.**

San Bern. Co. Permit:

Name:	VERIZON WIRELESS: CONCOURSE
Address:	9039 ETIWANDA AVE
City,State,Zip:	FONTANA, CA 92336
Region:	SAN BERNARDINO
Facility ID:	FA0012882
Owner:	Verizon Wireless
Permit Number:	PT0022522
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status:	INACTIVE
Expiration Date:	11/30/2021

Name:	VERIZON WIRELESS: CONCOURSE
Address:	9039 ETIWANDA AVE
City,State,Zip:	FONTANA, CA 92336
Region:	SAN BERNARDINO
Facility ID:	FA0012882
Owner:	Verizon Wireless
Permit Number:	PT0040489
Permit Category:	NON-GENERATOR/NON-HANDLER SURVEY(NB)
Facility Status:	INACTIVE
Expiration Date:	11/30/2020

A13 **ALL STATE PAPER & METAL RECYCLING CO INC** **NPDES** **S107136621**
ENE **8889 ETIWANDA AVE** **San Bern. Co. Permit** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.021 mi.
113 ft. **Site 2 of 2 in cluster A**

Relative:
Lower

Actual:
1120 ft.

NPDES:

Name:	ALL STATE PAPER & METAL RECYCLING CO INC
Address:	8889 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36MR000023
Regulatory Measure Type:	Region 8 - Scrap Metal Permit
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	10/18/2017
Operator Name:	All State Paper & Metal Recycling Co Inc
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Terminated
Agency Number:	0
Region:	8
Regulatory Measure ID:	426996
Order Number:	Not reported
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36MR000023
Program Type:	Region 8 - Scrap Metal Permit
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/18/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	10/18/2017
Discharge Name:	All State Paper & Metal Recycling Co Inc
Discharge Address:	8889 Etiwanda Ave
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91737
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported

ALL STATE PAPER & METAL RECYCLING CO INC (Continued) **S107136621**

Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported

ALL STATE PAPER & METAL RECYCLING CO INC (Continued) **S107136621**

Region:	8
Regulatory Measure ID:	426996
Order Number:	Not reported
Regulatory Measure Type:	Region 8 - Scrap Metal Permit
Place ID:	Not reported
WDID:	8 36MR000023
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/11/2012
Processed Date:	05/18/2012
Status:	Active
Status Date:	05/18/2012
Place Size:	3.2
Place Size Unit:	Acres
Contact:	Jerry Lin
Contact Title:	Operations
Contact Phone:	909-899-3613
Contact Phone Ext:	Not reported
Contact Email:	jerry_lin@allstaterecycle.com
Operator Name:	All State Paper & Metal Recycling Co Inc
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Private Individual
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported

ALL STATE PAPER & METAL RECYCLING CO INC (Continued) **S107136621**

Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Etiwanda Creek
Certifier:	Jerry Lin
Certifier Title:	Operations
Certification Date:	11-MAY-12
Primary Sic:	5093-Scrap and Waste Materials
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:

Name:	ALLSTATE PAPER & METAL RECYCLING CO
Address:	8889 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0010121
Owner:	ALLSTATE PAPER & METAL RECYCLG
Permit Number:	PT0017285
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	01/31/2017

Name:	ALLSTATE PAPER & METAL RECYCLING CO
Address:	8889 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0010121
Owner:	ALLSTATE PAPER & METAL RECYCLG
Permit Number:	PT0017286
Permit Category:	HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status:	INACTIVE
Expiration Date:	01/31/2017

C14 **SA RECYCLING** **RCRA NonGen / NLR** **1024828030**
NE **8822 ETIWANDA AVE** **CAL000359034**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.047 mi.
248 ft. **Site 1 of 11 in cluster C**

Relative: **Higher**

Actual: **1128 ft.**

RCRA Listings:

Date Form Received by Agency:	20101129
Handler Name:	Sa Recycling
Handler Address:	8822 ETIWANDA AVE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAL000359034
Contact Name:	TESHA JOHNSON
Contact Address:	2411 N. GLASSEL
Contact City,State,Zip:	ORANGE, CA 92865
Contact Telephone:	714-283-6188
Contact Fax:	714-764-3883

SA RECYCLING (Continued) **1024828030**

Contact Email:	TJOHNSON@SARECYCLING.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	2411 N GLASSELL
Mailing City,State,Zip:	ORANGE, CA 92865-0000
Owner Name:	Sa Recycling Llc
Owner Type:	Other
Operator Name:	Tesha Johnson
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

SA RECYCLING (Continued) **1024828030**

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: SA RECYCLING LLC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2411 N GLASSELL STREET
Owner/Operator City,State,Zip: ORANGE, CA 92865-0000
Owner/Operator Telephone: 714-632-2000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TESHA JOHNSON
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 2411 N. GLASSEL
Owner/Operator City,State,Zip: ORANGE, CA 92865
Owner/Operator Telephone: 714-283-6188
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20101129
Handler Name: SA RECYCLING
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 42193
NAICS Description: RECYCLABLE MATERIAL WHOLESALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C15 **SIMSMETAL AMERICA** **RCRA-SQG** **1000367428**
NE **8822 ETIWANDA AVE** **SWEEPS UST** **CAD981368228**
< 1/8 **ETIWANDA, CA 91739** **HIST UST**
0.047 mi. **FINDS**
248 ft. **Site 2 of 11 in cluster C** **ECHO**
EMI
Relative: Higher **HAZNET**
HWTS
Actual: 1128 ft.

RCRA Listings:

Date Form Received by Agency:	19980715
Handler Name:	Simsmetal America
Handler Address:	8822 ETIWANDA AVE
Handler City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAD981368228
Contact Name:	SCOTT MILLER
Contact Address:	600 S FOURTH ST
Contact City,State,Zip:	RICHMOND, CA 94804-3504
Contact Telephone:	510-412-5300
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	8822 ETIWANDA AVE
Mailing City,State,Zip:	ETIWANDA, CA 91739
Owner Name:	Simsmetal Usa Corp
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No

SIMSMETAL AMERICA (Continued) **1000367428**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	Lead

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: SIMSMETAL USA CORP	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	600 S FOURTH ST
Owner/Operator City,State,Zip:	RICHMOND, CA 94804-3504
Owner/Operator Telephone:	510-412-5300
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name: SIMSMETAL AMERICA	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No

SIMSMETAL AMERICA (Continued) **1000367428**

Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19980715
Handler Name: SIMSMETAL AMERICA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 42193
NAICS Description: RECYCLABLE MATERIAL WHOLESALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

SWEEPS UST:
Name: FERROMET INC.
Address: 8822 ETIWANDA AVE
City: ETIWANDA
Status: Active
Comp Number: 54331
Number: 9
Board Of Equalization: 44-021208
Referral Date: 08-28-91
Action Date: 08-28-91
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 36-000-054331-000001
Tank Status: A
Capacity: 9940
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 2

Name: FERROMET INC.
Address: 8822 ETIWANDA AVE
City: ETIWANDA

SIMSMETAL AMERICA (Continued) **1000367428**

Status:	Active
Comp Number:	54331
Number:	9
Board Of Equalization:	44-021208
Referral Date:	08-28-91
Action Date:	08-28-91
Created Date:	02-29-88
Owner Tank Id:	#2
SWRCB Tank Id:	36-000-054331-000002
Tank Status:	A
Capacity:	1009
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

HIST UST:

Name:	FERROMET INC
Address:	8822 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
File Number:	00029e91
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00029e91.pdf
Region:	STATE
Facility ID:	00000054331
Facility Type:	Other
Other Type:	RECYCLING
Contact Name:	WM. HIGHTOWER
Telephone:	7148991767
Owner Name:	FERROMET INC.
Owner Address:	8822 ETIWANDA AVE.
Owner City,St,Zip:	ETIWANDA, CA 91739
Total Tanks:	0003
Tank Num:	001
Container Num:	0000000001
Year Installed:	1980
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	#1
Year Installed:	1972
Tank Capacity:	00000555
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	12
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	#2
Year Installed:	1972
Tank Capacity:	00001009
Tank Used for:	PRODUCT

SIMSMETAL AMERICA (Continued) **1000367428**

Type of Fuel: UNLEADED
Container Construction Thickness: 10
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

FINDS:
Registry ID: 110002682464

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California's Hazardous Waste Tracking System Data Mart (HWTS-DATAMART) provides information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

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

ECHO:
Envid: 1000367428
Registry ID: 110002682464
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002682464
Name: SIMSMETAL AMERICA
Address: 8822 ETIWANDA AVE
City,State,Zip: ETIWANDA, CA 91739

EMI:
Name: FERROMET INC
Address: 8822 ETIWANDA AV
City,State,Zip: ETIWANDA, CA 91739
Year: 1987
County Code: 36
Air Basin: SC
Facility ID: 20546
Air District Name: SC
SIC Code: 5093
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 1
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: FERROMET INC
Address: 8822 ETIWANDA AV
City,State,Zip: ETIWANDA, CA 91739

SIMSMETAL AMERICA (Continued) **1000367428**

Year:	1990
County Code:	36
Air Basin:	SC
Facility ID:	20546
Air District Name:	SC
SIC Code:	5093
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1

HAZNET:

Name:	SIMSMETAL AMERICA/ETIWANDA DIVISION
Address:	8822 ETIWANDA AVE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 917390000
Contact:	SCOTT A MILLER MNGR ENVTL AFFA
Telephone:	5104125345
Mailing Name:	Not reported
Mailing Address:	600 SOUTH 4TH STREET
Year:	2003
Gepaid:	CAD981368228
TSD EPA ID:	CAT080013352
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	R01 - Recycler
Tons:	0.063
Year:	2002
Gepaid:	CAD981368228
TSD EPA ID:	CAT000646117
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	0.45
Year:	2001
Gepaid:	CAD981368228
TSD EPA ID:	CAT000646117
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	1.4
Year:	2000
Gepaid:	CAD981368228
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	5.004
Year:	2000
Gepaid:	CAD981368228

SIMSMETAL AMERICA (Continued) **1000367428**

TSD EPA ID: CAT000646117
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 0.25

Year: 1999
Gepaid: CAD981368228
TSD EPA ID: CAT000646117
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 3.85

Year: 1999
Gepaid: CAD981368228
TSD EPA ID: CAT080013352
CA Waste Code: 222 - Oil/water separation sludge
Disposal Method: R01 - Recycler
Tons: 8.757

Year: 1998
Gepaid: CAD981368228
TSD EPA ID: AZD983473539
CA Waste Code: 261 - Polychlorinated biphenyls and material containing PCBs
Disposal Method: R01 - Recycler
Tons: 3.8074

Year: 1998
Gepaid: CAD981368228
TSD EPA ID: AZD983473539
CA Waste Code: 261 - Polychlorinated biphenyls and material containing PCBs
Disposal Method: -
Tons: 0.4848

Year: 1998
Gepaid: CAD981368228
TSD EPA ID: CAT000646117
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 2.8

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

Additional Info:
Year: 2003
Gen EPA ID: CAD981368228

Shipment Date: 20030618
Creation Date: 7/22/2004 8:36:14
Receipt Date: 20030618
Manifest ID: 21193994
Trans EPA ID: CAT080032253
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352

SIMSMETAL AMERICA (Continued) **1000367428**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030618
Creation Date:	7/22/2004 8:36:14
Receipt Date:	20030618
Manifest ID:	21193996
Trans EPA ID:	CAT080032253
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030618
Creation Date:	7/22/2004 8:36:14
Receipt Date:	20030618
Manifest ID:	21193995
Trans EPA ID:	CAT080032253
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G

SIMSMETAL AMERICA (Continued) **1000367428**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD981368228
Shipment Date:	20020613
Creation Date:	9/3/2002 18:32:13
Receipt Date:	20020620
Manifest ID:	21345596
Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD981368228
Shipment Date:	20010713
Creation Date:	10/1/2001 0:00:00
Receipt Date:	20010719
Manifest ID:	21167405
Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P

SIMSMETAL AMERICA (Continued) **1000367428**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010412
Creation Date:	6/20/2001 0:00:00
Receipt Date:	20010412
Manifest ID:	96772399
Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD981368228
Shipment Date:	20001207
Creation Date:	2/1/2001 0:00:00
Receipt Date:	20001208
Manifest ID:	98383899
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SIMSMETAL AMERICA (Continued) **1000367428**

Shipment Date:	20000113
Creation Date:	3/22/2000 0:00:00
Receipt Date:	20000113
Manifest ID:	99539494
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	2.919
Waste Quantity:	700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000106
Creation Date:	3/7/2000 0:00:00
Receipt Date:	20000107
Manifest ID:	99539483
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	2.085
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD981368228

Shipment Date:	19991018
Creation Date:	12/16/1999 0:00:00
Receipt Date:	19991018
Manifest ID:	99539264
Trans EPA ID:	CAD982030173

SIMSMETAL AMERICA (Continued) **1000367428**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.6
Waste Quantity:	3200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990924
Creation Date:	11/22/1999 0:00:00
Receipt Date:	19990924
Manifest ID:	99240235
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	5.421
Waste Quantity:	1300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990922
Creation Date:	11/19/1999 0:00:00
Receipt Date:	19991001
Manifest ID:	99539205
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported

SIMSMETAL AMERICA (Continued) **1000367428**

Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	2.25
Waste Quantity:	4500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990405
Creation Date:	5/20/1999 0:00:00
Receipt Date:	19990405
Manifest ID:	98165047
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	3.336
Waste Quantity:	800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAD981368228
Shipment Date:	19981119
Creation Date:	1/11/2000 0:00:00
Receipt Date:	19991119
Manifest ID:	99539316
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	2.8
Waste Quantity:	5600
Quantity Unit:	P
Additional Code 1:	Not reported

SIMSMETAL AMERICA (Continued) **1000367428**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980527
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980529
Manifest ID:	96212151
Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD983473539
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD983473539
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.4848
Waste Quantity:	440
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980527
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980529
Manifest ID:	96212151
Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD983473539
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD983473539
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980527
Creation Date:	8/3/1998 0:00:00
Receipt Date:	19980529
Manifest ID:	96212151

SIMSMETAL AMERICA (Continued) **1000367428**

Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD983473539
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD983473539
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	3.8074
Waste Quantity:	3455
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	SIMSMETAL AMERICA/ETIWANDA DIVISION
Address:	8822 ETIWANDA AVE
Address 2:	Not reported
City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAD981368228
Inactive Date:	06/30/2004
Create Date:	04/10/1987
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	600 SOUTH 4TH STREET
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RICHMOND, CA 948043504
Owner Name:	SIMSMETAL USA CORPORATION
Owner Address:	600 SOUTH 4TH ST
Owner Address 2:	Not reported
Owner City,State,Zip:	RICHMOND, CA 948043504
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	SCOTT A MILLER MNGR ENVTL AFFA
Contact Address:	600 SOUTH 4TH STREET
Contact Address 2:	Not reported
City,State,Zip:	RICHMOND, CA 948043504
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	34.092675
Longitude:	-117.523808

NAICS:

EPA ID:	CAD981368228
Create Date:	2002-03-14 16:36:26.000
NAICS Code:	42193
NAICS Description:	Recyclable Material Wholesalers
Issued EPA ID Date:	1987-04-10 00:00:00

SIMSMETAL AMERICA (Continued) **1000367428**

Inactive Date:	2004-06-30 00:00:00
Facility Name:	SIMSMETAL AMERICA/ETIWANDA DIVISION
Facility Address:	8822 ETIWANDA AVE
Facility Address 2:	Not reported
Facility City:	ETIWANDA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	917390000

C16 **DP ETIWANDA** **RCRA-LQG** **1024876582**
NE **8822 ETIWANDA AVE** **CAP000290510**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.047 mi.
248 ft. **Site 3 of 11 in cluster C**

Relative: **Higher**

Actual: **1128 ft.**

RCRA Listings:

Date Form Received by Agency:	20181204
Handler Name:	Dp Etiwanda
Handler Address:	ETIWANDA AVE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAP000290510
Contact Name:	MIKE CREWS
Contact Address:	PARK PLAZA
Contact City,State,Zip:	IRVINE, CA 92614
Contact Telephone:	949-584-5437
Contact Fax:	Not reported
Contact Email:	MCREWS@RAMBOLL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	SOUTH EASTMAN AVE
Mailing City,State,Zip:	LOS ANGELES, CA 90023
Owner Name:	Dp Etiwanda, Llc
Owner Type:	Private
Operator Name:	Dp Etiwanda, Llc
Operator Type:	Private
Short-Term Generator Activity:	Yes
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---

DP ETIWANDA (Continued) **1024876582**

Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181210
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D006
Waste Description:	Cadmium
Waste Code:	D008
Waste Description:	Lead

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: DP ETIWANDA, LLC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1430 SOUTH EASTMAN
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90023
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: DP ETIWANDA, LLC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1430 SOUTH EASTMAN
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90023
Owner/Operator Telephone:	Not reported

DP ETIWANDA (Continued) **1024876582**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20181204
Handler Name: DP ETIWANDA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 541614
NAICS Description: PROCESS, PHYSICAL DISTRIBUTION, AND LOGISTICS CONSULTING SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C17 **DP ETIWANDA** **ENVIROSTOR** **S102795943**
NE **8822 ETIWANDA AVENUE** **VCP** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739** **DEED**
0.047 mi. **CHMIRS**
248 ft. **Site 4 of 11 in cluster C** **EMI**
HAZNET
Relative: Higher **NPDES**
San Bern. Co. Permit
Actual: 1128 ft. **CIWQS**
CERS
HWTS

ENVIROSTOR:
Name: DP ETIWANDA
Address: 8822 ETIWANDA AVENUE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Facility ID: 60002634
Status: Certified O&M - Land Use Restrictions Only
Status Date: 10/22/2020
Site Code: 401825
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Agreement
Acres: 11.82
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Johnson Abraham

DP ETIWANDA (Continued) **S102795943**

Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 50
Senate: 29
Special Program: Not reported
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.09373
Longitude: -117.5272
APN: NONE SPECIFIED
Past Use: RAILROAD RIGHT OF WAY, UNDERGROUND STORAGE TANKS, RECYCLING - SCRAP METAL
Potential COC: Lead Polychlorinated biphenyls (PCBs TPH-MOTOR OIL Cadmium and compounds
Confirmed COC: 3 001 330 018 300 250 000 000
Potential Description: SOIL, SV
Alias Name: 401825
Alias Type: Project Code (Site Code)
Alias Name: 60002634
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 04/27/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/19/2020
Comments: DTSC issued approval for the Site Characterization Workplan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/21/2020
Comments: DTSC approved the SSI Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/23/2020
Comments: Site visit to mark sampling locations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/01/2020
Comments: DTSC issued a PEA Adequacy. The Draft PEA Report will be made availalbe for public review during a 30-day public comment period.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/26/2018

DP ETIWANDA (Continued) **S102795943**

Comments:	Site visit.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	08/28/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	08/27/2018
Comments:	DTSC approved scope of work to conduct site characterization.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	04/26/2018
Comments:	Provided as background information
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	08/02/2018
Comments:	DTSC approved workplan for implementation.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/11/2019
Comments:	Annual cost estimate provided to proponent.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Application
Completed Date:	03/26/2018
Comments:	VCP Application submitted by RP via email on 03/26/18.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Land Use Restriction
Completed Date:	10/22/2020
Comments:	LUC recorded with the county.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	08/05/2020
Comments:	Issued final approval of the PEA Report.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Project Management
Completed Date:	06/30/2021
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

DP ETIWANDA (Continued) **S102795943**

Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 01/31/2022
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/16/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/26/2021
Comments: DTSC mailed out the letter informing them of DTSC project manager change from Rana to Johnson.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 04/12/2018
Comments: DTSC prepared a project cost estimate

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/24/2018
Comments: FY 1819 Estimate: $11,662

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 05/03/2018
Comments: Copy of fully executed VCA sent to RP contact.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Access Agreement
Completed Date: 10/12/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/29/2020
Comments: Conference call between DTSC, Dedaux and Ramboll to go over response letter and possible strategies for offisite delineation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

DP ETIWANDA (Continued) **S102795943**

Completed Document Type:	Correspondence
Completed Date:	01/02/2020
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Pre-HARP Form
Completed Date:	08/18/2020
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

VCP:

Name:	DP ETIWANDA
Address:	8822 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	60002634
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	11.82
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Johnson Abraham
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	401825
Assembly:	50
Senate:	29
Special Programs Code:	Not reported
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	10/22/2020
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	34.09373 / -117.5272
APN:	NONE SPECIFIED
Past Use:	RAILROAD RIGHT OF WAY, UNDERGROUND STORAGE TANKS, RECYCLING - SCRAP METAL
Potential COC:	30013, 30018, 3002502, 30108
Confirmed COC:	3,001,330,018,300,250,000,000
Potential Description:	SOIL, SV
Alias Name:	401825
Alias Type:	Project Code (Site Code)
Alias Name:	60002634
Alias Type:	Envirostor ID Number

Completed Info:

DP ETIWANDA (Continued) **S102795943**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 04/27/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/19/2020
Comments: DTSC issued approval for the Site Characterization Workplan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 10/21/2020
Comments: DTSC approved the SSI Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/23/2020
Comments: Site visit to mark sampling locations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/01/2020
Comments: DTSC issued a PEA Adequacy. The Draft PEA Report will be made availalbe for public review during a 30-day public comment period.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/26/2018
Comments: Site visit.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/28/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/27/2018
Comments: DTSC approved scope of work to conduct site characterization.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/26/2018
Comments: Provided as background information

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

DP ETIWANDA (Continued) **S102795943**

Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 08/02/2018
Comments: DTSC approved workplan for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/11/2019
Comments: Annual cost estimate provided to proponent.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 03/26/2018
Comments: VCP Application submitted by RP via email on 03/26/18.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 10/22/2020
Comments: LUC recorded with the county.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/05/2020
Comments: Issued final approval of the PEA Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 01/31/2022
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/16/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/26/2021
Comments: DTSC mailed out the letter informing them of DTSC project manager change from Rana to Johnson.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 04/12/2018

DP ETIWANDA (Continued) **S102795943**

Comments: DTSC prepared a project cost estimate

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 08/24/2018
Comments: FY 1819 Estimate: $11,662

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 05/03/2018
Comments: Copy of fully executed VCA sent to RP contact.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Access Agreement
Completed Date: 10/12/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 05/29/2020
Comments: Conference call between DTSC, Dedaux and Ramboll to go over response letter and possible strategies for offisite delineation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/02/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/18/2020
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

DEED:
Name: DP ETIWANDA

DP ETIWANDA (Continued) **S102795943**

Address: 8822 ETIWANDA AVENUE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Envirostor ID: 60002634
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

CHMIRS:

Name:	Not reported
Address:	8822 ETIWANDA AV
City,State,Zip:	RANCHO CUCAMONGA, CA
OES Incident Number:	3-2640
OES notification:	05/21/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	N/a
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Citizen

DP ETIWANDA (Continued) **S102795943**

Incident Date:	5/21/200312:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Metal dust
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller he works at a near by business and is outside a lot and is concerned about the amount of dust that emanates from a near by recycling plant. Caller has attempted to contact local agencies to seek assistance but was unsuccessful to date.

EMI:

Name:	PACIFIC COAST RECYCLING, LLC
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2008
County Code:	36
Air Basin:	SC
Facility ID:	138005
Air District Name:	SC
SIC Code:	5051
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:	3.615288459446659762
Reactive Organic Gases Tons/Yr:	2.546188
Carbon Monoxide Emissions Tons/Yr:	.13
NOX - Oxides of Nitrogen Tons/Yr:	.11306
SOX - Oxides of Sulphur Tons/Yr:	.001863
Particulate Matter Tons/Yr:	.888235
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.61627183

Name:	PACIFIC COAST RECYCLING, LLC
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2009
County Code:	36

DP ETIWANDA (Continued) **S102795943**

Air Basin:	SC
Facility ID:	138005
Air District Name:	SC
SIC Code:	5051
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:	1.2084162489919301E-3
Reactive Organic Gases Tons/Yr:	0.001114
Carbon Monoxide Emissions Tons/Yr:	0.01
NOX - Oxides of Nitrogen Tons/Yr:	5.1000000000000004E-4
SOX - Oxides of Sulphur Tons/Yr:	0.0000265
Particulate Matter Tons/Yr:	3.2499999999999997E-5
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.2305000000000003E-5

Name:	PACIFIC COAST RECYCLING, LLC
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Year:	2010
County Code:	36
Air Basin:	SC
Facility ID:	138005
Air District Name:	SC
SIC Code:	5051
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:	8.4388185654008394E-5
Reactive Organic Gases Tons/Yr:	8.0000000000000007E-5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

Name:	SA RECYCLING
Address:	8822 ETIWANDA AVENUE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact:	TEDDY GRAVES
Telephone:	7144958020
Mailing Name:	Not reported
Mailing Address:	3200 E. FRONTERA STREET
Year:	2017
Gepaid:	CAC002925489
TSD EPA ID:	AZC950823111
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	9.2

Additional Info:

Year:	2017

DP ETIWANDA (Continued) **S102795943**

Gen EPA ID:	CAC002925489
Shipment Date:	20170918
Creation Date:	7/10/2018 18:30:28
Receipt Date:	20170921
Manifest ID:	017931025JJK
Trans EPA ID:	CAR000049064
Trans Name:	ECTI
Trans 2 EPA ID:	CAR000045963
Trans 2 Name:	ARO TRUCKING
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	9.2
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NPDES:

Name:	ETIWANDA RANCHO CUCAMONGA
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36C382576
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	11/20/2020
Operator Name:	DP Etiwanda LLC
Operator Address:	PO Box 82691
Operator City:	Goleta
Operator State:	California
Operator Zip:	93118

DP ETIWANDA (Continued) **S102795943**

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	494925
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36C382576
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/26/2018
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	DP Etiwanda LLC
Discharge Address:	1430 S Eastman Ave
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90023
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported

DP ETIWANDA (Continued) **S102795943**

Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	SA RECYCLING
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36MR000005
Regulatory Measure Type:	Region 8 - Scrap Metal Permit
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	10/18/2017
Operator Name:	SA Recycling LLC 41
Operator Address:	3200 East Frontera Street
Operator City:	Anaheim
Operator State:	California
Operator Zip:	92806

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Terminated
Agency Number:	0
Region:	8
Regulatory Measure ID:	426783
Order Number:	Not reported

DP ETIWANDA (Continued) **S102795943**

Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36MR000005
Program Type:	Region 8 - Scrap Metal Permit
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	05/10/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	09/26/2017
Discharge Name:	SA Recycling LLC 41
Discharge Address:	3200 East Frontera Street
Discharge City:	Anaheim
Discharge State:	California
Discharge Zip:	92806
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported

DP ETIWANDA (Continued) **S102795943**

Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	426783
Order Number:	Not reported
Regulatory Measure Type:	Region 8 - Scrap Metal Permit
Place ID:	Not reported
WDID:	8 36MR000005
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/03/2012
Processed Date:	05/10/2012
Status:	Active
Status Date:	05/10/2012
Place Size:	4.25
Place Size Unit:	Acres
Contact:	Lindsay Maine
Contact Title:	EHS Manager
Contact Phone:	714-283-6100
Contact Phone Ext:	0411
Contact Email:	lmaine@sarecycling.com
Operator Name:	SA Recycling LLC 41
Operator Address:	8822 Etiwanda Ave
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739
Operator Contact:	Lindsay Maine
Operator Contact Title:	EHS Manager
Operator Contact Phone:	714-283-6100
Operator Contact Phone Ext:	0411
Operator Contact Email:	lmaine@sarecycling.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported

DP ETIWANDA (Continued) **S102795943**

Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Pacific Ocean
Certifier:	Tesha Johnson
Certifier Title:	Not reported
Certification Date:	03-MAY-12
Primary Sic:	5093-Scrap and Waste Materials
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	CENTRAL TRANSPORT
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36NEC008958
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	04/01/2021

DP ETIWANDA (Continued) **S102795943**

Operator Name:	Central Transport
Operator Address:	12225 Stephens
Operator City:	Warren
Operator State:	Michigan
Operator Zip:	48089
Name:	CENTRAL TRANSPORT
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	532736
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 36NEC008958
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/01/2021
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	12225 Stephens
Discharge Name:	Central Transport
Discharge City:	Warren
Discharge State:	Michigan
Discharge Zip:	48089
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Name:	ETIWANDA RANCHO CUCAMONGA
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA
Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	8
Agency Number:	0
Regulatory Measure ID:	494925
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	8 36C382576
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/26/2018
Termination Date Of Regulatory Measure:	10/07/2020
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PO Box 82691
Discharge Name:	DP Etiwanda LLC
Discharge City:	Goleta
Discharge State:	California

DP ETIWANDA (Continued) **S102795943**

Discharge Zip:	93118
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	494925
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36C382576
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/26/2018
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	DP Etiwanda LLC
Discharge Address:	1430 S Eastman Ave
Discharge City:	Los Angeles
Discharge State:	California
Discharge Zip:	90023
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported

DP ETIWANDA (Continued) **S102795943**

Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:

Name:	SIMSMETAL AMERICA
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0006201
Owner:	SIMSMETAL AMERICA
Permit Number:	PT0002260
Permit Category:	HAZARDOUS WASTE GENERATOR - 0-10 EMPLOYEES
Facility Status:	INACTIVE
Expiration Date:	07/31/2004

Name:	SIMSMETAL AMERICA
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0006201
Owner:	SIMSMETAL AMERICA
Permit Number:	PT0002261
Permit Category:	HAZMAT HANDLER 0-10 EMPLOYEES (W/GEN PRMT)
Facility Status:	INACTIVE
Expiration Date:	07/31/2004

Name:	SA RECYCLING
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0007940

DP ETIWANDA (Continued) **S102795943**

Owner: SA RECYCLING LLC
Permit Number: PT0026079
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: INACTIVE
Expiration Date: 11/30/2018

Name: SA RECYCLING
Address: 8822 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0007940
Owner: SA RECYCLING LLC
Permit Number: PT0013871
Permit Category: LARGE QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 11/30/2018

Name: SA RECYCLING
Address: 8822 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0007940
Owner: SA RECYCLING LLC
Permit Number: PT0013872
Permit Category: HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status: INACTIVE
Expiration Date: 11/30/2018

Name: SA RECYCLING
Address: 8822 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0007940
Owner: SA RECYCLING LLC
Permit Number: PT0018793
Permit Category: APPLIANCE RECYCLER
Facility Status: INACTIVE
Expiration Date: 11/30/2017

CIWQS:
Name: CENTRAL TRANSPORT
Address: 8822 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Agency: Central Transport
Agency Address: 12225 Stephens, Warren, MI 48089
Place/Project Type: Industrial - Trucking, Except Local
SIC/NAICS: 4213
Region: 8
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 8 36NEC008958
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 04/01/2021
Termination Date: Not reported

DP ETIWANDA (Continued) **S102795943**

Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.09373
Longitude:	-117.52725

Name:	ETIWANDA RANCHO CUCAMONGA
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA CA
Agency:	DP Etiwanda LLC
Agency Address:	PO Box 82691, Goleta, CA 93118
Place/Project Type:	Construction
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 36C382576
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	02/26/2018
Termination Date:	10/07/2020
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	2
Violations within 5 years:	2
Latitude:	34.09383
Longitude:	-117.52443

CERS:

Name:	CENTRAL TRANSPORT
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	580330
CERS ID:	891276
CERS Description:	Industrial Facility Storm Water

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Central Transport
Entity Title:	Operator
Affiliation Address:	12225 Stephens
Affiliation City:	Warren
Affiliation State:	MI
Affiliation Country:	Not reported
Affiliation Zip:	48089
Affiliation Phone:	,

DP ETIWANDA (Continued) **S102795943**

Name: PACIFIC COAST RECYCLING, LLC
Address: 8822 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 485394
CERS ID: 110041389253
CERS Description: US EPA Air Emission Inventory System (EIS)

HWTS:
Name: DP ETIWANDA
Address: 8822 ETIWANDA AVE
Address 2: Not reported
City,State,Zip: RANCHO CUCAMONGA, CA 91739
EPA ID: CAP000332783
Inactive Date: 04/07/2022
Create Date: 01/06/2022
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 8822 ETIWANDA AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner Name: DP ETIWANDA LLC
Owner Address: 100 WILSHIRE BLVD STE 250
Owner Address 2: Not reported
Owner City,State,Zip: SANTA MONICA, CA 90401
Owner Phone: Not reported
Owner Fax: Not reported
Contact Name: ALON KRAFT
Contact Address: 100 WILSHIRE BLVD STE 250
Contact Address 2: Not reported
City,State,Zip: SANTA MONICA, CA 90401
Contact Phone: Not reported
Contact Fax: Not reported
Facility Status: Inactive
Facility Type: TEMPORARY
Category: FEDERAL
Latitude: 34.09369501
Longitude: -117.52715201

Name: SA RECYCLING
Address: 8822 ETIWANDA AVENUE
Address 2: Not reported
City,State,Zip: RANCHO CUCAMONGA, CA 91739
EPA ID: CAC002925489
Inactive Date: 11/29/2017
Create Date: 08/28/2017
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 3200 E. FRONTERA STREET
Mailing Address 2: Not reported
Mailing City,State,Zip: ANAHEIM, CA 92806
Owner Name: SA RECYCLING
Owner Address: 3200 E. FRONTERA STREET
Owner Address 2: Not reported
Owner City,State,Zip: ANAHEIM, CA 92806
Owner Phone: Not reported
Owner Fax: Not reported
Contact Name: TEDDY GRAVES

DP ETIWANDA (Continued) **S102795943**

Contact Address:	3200 E. FRONTERA STREET
Contact Address 2:	Not reported
City,State,Zip:	ANAHEIM, CA 92806
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	34.093301
Longitude:	-117.523884

C18 **DP ETIWANDA** **RCRA-SQG** **1027095248**
NE **8822 ETIWANDA AVENUE** **CAP000332783**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.047 mi.
248 ft. **Site 5 of 11 in cluster C**

Relative: **Higher**
Actual: **1128 ft.**

RCRA Listings:

Date Form Received by Agency:	20220104
Handler Name:	Dp Etiwanda
Handler Address:	ETIWANDA AVENUE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAP000332783
Contact Name:	ALON KRAFT
Contact Address:	WILSHIRE BOULEVARD, SUITE 250
Contact City,State,Zip:	SANTA MONICA, CA 90401
Contact Telephone:	323-984-7729
Contact Fax:	Not reported
Contact Email:	ALONK@DEDEAUXPROPERTIES.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	ETIWANDA AVENUE
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner Name:	Dp Etiwanda, Llc
Owner Type:	Private
Operator Name:	Dp Etiwanda, Llc
Operator Type:	Private
Short-Term Generator Activity:	Yes
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No

DP ETIWANDA (Continued) **1027095248**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220106
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Yes
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	Lead

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: DP ETIWANDA, LLC	
Legal Status:	Private
Date Became Current:	20211116
Date Ended Current:	Not reported
Owner/Operator Address:	1299 OCEAN AVENUE, 9TH FLOOR
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90401
Owner/Operator Telephone:	323-981-8226
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	DHERNANDEZ@RAMBOLL.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name: DP ETIWANDA, LLC	
Legal Status:	Private
Date Became Current:	20211129
Date Ended Current:	Not reported
Owner/Operator Address:	100 WILSHIRE BOULEVARD, SUITE 250
Owner/Operator City,State,Zip:	SANTA MONICA, CA 90401
Owner/Operator Telephone:	323-981-8226
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

DP ETIWANDA (Continued) **1027095248**

Owner/Operator Email: BENH@DEDEAUXPROPRTIES.COM

Historic Generators:
Receive Date: 20220104
Handler Name: DP ETIWANDA
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Yes
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 48851
NAICS Description: FREIGHT TRANSPORTATION ARRANGEMENT

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C19 **SA RECYCLING** **AST** **S113160586**
NE **8822 ETIWANDA AVE** **HAZNET** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739** **CIWQS**
0.047 mi. **HWTS**
248 ft. **Site 6 of 11 in cluster C**

Relative: Higher
Actual: 1128 ft.

AST:
Name: SA RECYCLING
Address: 8822 ETIWANDA AVE
City/Zip: RANCHO CUCAMONGA,91739
Certified Unified Program Agencies: Not reported
Owner: SA RECYCLING LLC
Total Gallons: Not reported
CERSID: 10047745
Facility ID: FA0007940
Business Name: SA Recycling Corporate
Phone: (909) 899-1767
Fax: (909) 899-4595
Mailing Address: 2411 N Glassell
Mailing Address City: Orange
Mailing Address State: CA
Mailing Address Zip Code: 92865
Operator Name: Ruben Gallardo
Operator Phone: 909.899.1767
Owner Phone: (714) 632-2000
Owner Mail Address: 2411 N Glassell St
Owner State: CA
Owner Zip Code: 92865
Owner Country: United States

SA RECYCLING (Continued) **S113160586**

Property Owner Name:	SA Recycling LLC
Property Owner Phone:	714-632-2000
Property Owner Mailing Address:	2411 N Glassell
Property Owner City:	Orange
Property Owner Stat :	CA
Property Owner Zip Code:	92865
Property Owner Country:	United States
EPAID:	CAL000359034

HAZNET:

Name:	SA RECYCLING
Address:	8822 ETIWANDA AVE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact:	TESHA JOHNSON
Telephone:	7142836188
Mailing Name:	Not reported
Mailing Address:	2411 N GLASSELL
Year:	2017
Gepaid:	CAL000359034
TSD EPA ID:	CAT080013352
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.396
Year:	2017
Gepaid:	CAL000359034
TSD EPA ID:	CAT080025711
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.66
Year:	2017
Gepaid:	CAL000359034
TSD EPA ID:	CAT080013352
CA Waste Code:	211 - Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.4587
Year:	2017
Gepaid:	CAL000359034
TSD EPA ID:	CAT000646117
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	2.72
Year:	2017
Gepaid:	CAL000359034
TSD EPA ID:	CAT000646117
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

SA RECYCLING (Continued) **S113160586**

Tons: 52.17

Year: 2017
Gepaid: CAL000359034
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 7.942

Year: 2016
Gepaid: CAL000359034
TSD EPA ID: CAT080025711
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 5.928

Year: 2016
Gepaid: CAL000359034
TSD EPA ID: NVT330010000
CA Waste Code: 261 - Polychlorinated biphenyls and material containing PCBs
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.23142

Year: 2016
Gepaid: CAL000359034
TSD EPA ID: CAT080025711
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 3.99

Year: 2016
Gepaid: CAL000359034
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 14.478

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

Additional Info:
Year: 2017
Gen EPA ID: CAL000359034

Shipment Date: 20170901
Creation Date: 5/21/2018 18:34:34
Receipt Date: 20170908
Manifest ID: 015222291JJK
Trans EPA ID: CAR000181891
Trans Name: BDC SPECIAL WASTE SERVICES

SA RECYCLING (Continued) **S113160586**

Trans 2 EPA ID:	CAR000045963
Trans 2 Name:	ARO TRUCKING
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	25.38
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170901
Creation Date:	6/13/2018 18:31:27
Receipt Date:	20170907
Manifest ID:	015222281JJK
Trans EPA ID:	CAR000181891
Trans Name:	BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID:	CAR000045963
Trans 2 Name:	ARO TRUCKING
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	26.79
Waste Quantity:	19
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170821
Creation Date:	5/29/2018 18:30:43
Receipt Date:	20170824
Manifest ID:	017361081JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture

SA RECYCLING (Continued) **S113160586**

RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	2.04
Waste Quantity:	600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170821
Creation Date:	5/29/2018 18:30:43
Receipt Date:	20170824
Manifest ID:	017361081JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.68
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170627
Creation Date:	5/17/2018 18:32:12
Receipt Date:	20170627
Manifest ID:	002934122GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.698
Waste Quantity:	710
Quantity Unit:	G
Additional Code 1:	Not reported

SA RECYCLING (Continued) **S113160586**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170418
Creation Date:	5/9/2018 18:32:31
Receipt Date:	20170418
Manifest ID:	003376538GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.584
Waste Quantity:	680
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170228
Creation Date:	5/18/2017 18:31:53
Receipt Date:	20170228
Manifest ID:	002934979GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.66
Waste Quantity:	700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170223
Creation Date:	5/19/2017 18:30:21

SA RECYCLING (Continued) **S113160586**

Receipt Date:	20170302
Manifest ID:	016609502JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170223
Creation Date:	5/19/2017 18:30:21
Receipt Date:	20170302
Manifest ID:	016609502JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D018
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.396
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170117
Creation Date:	3/31/2017 18:30:27
Receipt Date:	20170117
Manifest ID:	002934914GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352

SA RECYCLING (Continued) **S113160586**

Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.66
Waste Quantity:	700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000359034
Shipment Date:	20150909
Creation Date:	11/6/2015 22:15:31
Receipt Date:	20150911
Manifest ID:	014282869JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150909
Creation Date:	2/26/2016 22:15:15
Receipt Date:	20151001
Manifest ID:	014282870JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

SA RECYCLING (Continued) **S113160586**

Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150710
Creation Date:	1/21/2016 22:15:55
Receipt Date:	20150727
Manifest ID:	014281815JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150316
Creation Date:	6/23/2015 22:15:22
Receipt Date:	20150316
Manifest ID:	002303078GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.882
Waste Quantity:	210
Quantity Unit:	G

SA RECYCLING (Continued) **S113160586**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150309
Creation Date:	5/19/2015 22:15:07
Receipt Date:	20150310
Manifest ID:	002670428GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000359034
Shipment Date:	20150909
Creation Date:	2/26/2016 22:15:15
Receipt Date:	20151001
Manifest ID:	014282870JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

SA RECYCLING (Continued) **S113160586**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150909
Creation Date:	11/6/2015 22:15:31
Receipt Date:	20150911
Manifest ID:	014282869JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	211 - Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.
RCRA Code:	F001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150710
Creation Date:	1/21/2016 22:15:55
Receipt Date:	20150727
Manifest ID:	014281815JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150316
Creation Date:	6/23/2015 22:15:22
Receipt Date:	20150316
Manifest ID:	002303078GBF

SA RECYCLING (Continued) **S113160586**

Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.882
Waste Quantity:	210
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150309
Creation Date:	5/19/2015 22:15:07
Receipt Date:	20150310
Manifest ID:	002670428GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000359034

Shipment Date:	20141110
Creation Date:	1/15/2015 22:14:55
Receipt Date:	20141112
Manifest ID:	013548377JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported

SA RECYCLING (Continued) **S113160586**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D018
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.396
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141110
Creation Date:	4/1/2015 22:15:06
Receipt Date:	20141117
Manifest ID:	013548376JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.02755
Waste Quantity:	25
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141104
Creation Date:	6/26/2015 22:15:35
Receipt Date:	20141111
Manifest ID:	013548364JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported

SA RECYCLING (Continued) **S113160586**

Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140723
Creation Date:	9/30/2014 22:15:08
Receipt Date:	20140724
Manifest ID:	002303132GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140402
Creation Date:	8/19/2014 22:15:10
Receipt Date:	20140408
Manifest ID:	011004190JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.8
Waste Quantity:	3600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

SA RECYCLING (Continued) **S113160586**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140320
Creation Date:	5/19/2014 22:14:53
Receipt Date:	20140320
Manifest ID:	002302804GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.394
Waste Quantity:	630
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000359034
Shipment Date:	20131022
Creation Date:	12/4/2013 22:15:18
Receipt Date:	20131022
Manifest ID:	001975061GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.57
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SA RECYCLING (Continued) **S113160586**

Shipment Date:	20130806
Creation Date:	9/30/2013 22:15:16
Receipt Date:	20130806
Manifest ID:	001974872GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.064
Waste Quantity:	280
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130626
Creation Date:	8/29/2013 22:15:18
Receipt Date:	20130626
Manifest ID:	001974768GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.026
Waste Quantity:	270
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130621
Creation Date:	8/20/2013 22:15:09
Receipt Date:	20130621
Manifest ID:	001974762GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported

SA RECYCLING (Continued) **S113160586**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.315
Waste Quantity:	75
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130403
Creation Date:	6/9/2013 22:15:06
Receipt Date:	20130403
Manifest ID:	001974566GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130329
Creation Date:	6/10/2013 22:15:06
Receipt Date:	20130329
Manifest ID:	001974561GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

SA RECYCLING (Continued) **S113160586**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	3.116
Waste Quantity:	820
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130128
Creation Date:	6/19/2013 22:15:07
Receipt Date:	20130204
Manifest ID:	011024376JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000359034
Shipment Date:	20121213
Creation Date:	3/7/2013 22:15:18
Receipt Date:	20121214
Manifest ID:	001974323GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL CO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.532

SA RECYCLING (Continued) **S113160586**

Waste Quantity:	140
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121004
Creation Date:	12/20/2012 22:15:18
Receipt Date:	20121005
Manifest ID:	001682778GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.294
Waste Quantity:	70
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120917
Creation Date:	11/26/2012 22:16:15
Receipt Date:	20120918
Manifest ID:	001682733GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.121
Waste Quantity:	295
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SA RECYCLING (Continued) **S113160586**

Shipment Date:	20120709
Creation Date:	10/15/2012 22:15:38
Receipt Date:	20120709
Manifest ID:	001682586GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SRV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.646
Waste Quantity:	170
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120709
Creation Date:	10/15/2012 22:15:30
Receipt Date:	20120709
Manifest ID:	001682584GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SRV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.378
Waste Quantity:	90
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120613
Creation Date:	10/3/2012 22:15:09
Receipt Date:	20120613
Manifest ID:	001682532GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SRV
Trans 2 EPA ID:	Not reported

SA RECYCLING (Continued) **S113160586**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.504
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120516
Creation Date:	5/29/2013 22:15:15
Receipt Date:	20120601
Manifest ID:	009699176JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120424
Creation Date:	6/27/2012 20:30:16
Receipt Date:	20120424
Manifest ID:	001682354GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

SA RECYCLING (Continued) **S113160586**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.912
Waste Quantity:	240
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120312
Creation Date:	8/28/2012 22:15:13
Receipt Date:	20120320
Manifest ID:	009696653JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.6
Waste Quantity:	3200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120302
Creation Date:	4/30/2012 20:30:14
Receipt Date:	20120302
Manifest ID:	001682268GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SRV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.28
Waste Quantity:	600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

SA RECYCLING (Continued) **S113160586**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000359034
Shipment Date:	20111130
Creation Date:	3/12/2012 20:30:14
Receipt Date:	20111130
Manifest ID:	001682047GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.292
Waste Quantity:	340
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111021
Creation Date:	1/6/2012 18:30:33
Receipt Date:	20111021
Manifest ID:	001532368GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.596
Waste Quantity:	420
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SA RECYCLING (Continued) **S113160586**

Shipment Date:	20111013
Creation Date:	12/27/2011 18:30:38
Receipt Date:	20111013
Manifest ID:	001532354GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.924
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20111003
Creation Date:	12/20/2011 18:30:31
Receipt Date:	20111003
Manifest ID:	001532327GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.356
Waste Quantity:	620
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110919
Creation Date:	12/9/2011 18:30:58
Receipt Date:	20110919
Manifest ID:	001532298GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported

SA RECYCLING (Continued) **S113160586**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.052
Waste Quantity:	540
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110901
Creation Date:	11/8/2011 18:30:28
Receipt Date:	20110901
Manifest ID:	001532263GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.63
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110826
Creation Date:	2/11/2012 20:30:14
Receipt Date:	20110830
Manifest ID:	008285494JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported

SA RECYCLING (Continued) **S113160586**

Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.24795
Waste Quantity:	225
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110826
Creation Date:	2/11/2012 20:30:14
Receipt Date:	20110830
Manifest ID:	008285494JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110824
Creation Date:	11/8/2011 18:30:12
Receipt Date:	20110824
Manifest ID:	001532239GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.204
Waste Quantity:	580
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

SA RECYCLING (Continued) **S113160586**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110722
Creation Date:	10/1/2011 18:30:31
Receipt Date:	20110722
Manifest ID:	001532177GBF
Trans EPA ID:	CAD980814446
Trans Name:	MARK ALARCON'S WASTE OIL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DE MENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.546
Waste Quantity:	670
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000359034
Shipment Date:	20101230
Creation Date:	2/8/2012 8:33:49
Receipt Date:	20110107
Manifest ID:	008322133JJK
Trans EPA ID:	CAR000172189
Trans Name:	AMBERWICK CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.6265
Waste Quantity:	1253
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SA RECYCLING (Continued) **S113160586**

CIWQS:

Name:	SA RECYCLING
Address:	8822 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	SA Recycling LLC 41
Agency Address:	3200 East Frontera Street, Anaheim, CA 92806
Place/Project Type:	Industrial - Scrap and Waste Materials
SIC/NAICS:	5093
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Region 8 - Scrap Metal Permit
Order Number:	R8-2012-0012
WDID:	8 36MR000005
NPDES Number:	CAG618001
Adoption Date:	Not reported
Effective Date:	05/10/2012
Termination Date:	09/26/2017
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.09167
Longitude:	-117.52306

HWTS:

Name:	SA RECYCLING
Address:	8822 ETIWANDA AVE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAL000359034
Inactive Date:	06/30/2018
Create Date:	11/29/2010
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	2411 N GLASSELL
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ORANGE, CA 928650000
Owner Name:	SA RECYCLING LLC
Owner Address:	2411 N GLASSELL STREET
Owner Address 2:	Not reported
Owner City,State,Zip:	ORANGE, CA 928650000
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	TESHA JOHNSON
Contact Address:	2411 N. GLASSEL
Contact Address 2:	Not reported
City,State,Zip:	ORANGE, CA 92865
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Inactive
Facility Type:	PERMANENT
Category:	STATE

SA RECYCLING (Continued) **S113160586**

Latitude:	34.09269
Longitude:	-117.52391
NAICS:	
EPA ID:	CAL000359034
Create Date:	2010-11-29 12:59:45.003
NAICS Code:	42193
NAICS Description:	Recyclable Material Wholesalers
Issued EPA ID Date:	2010-11-29 12:59:45.00300
Inactive Date:	2018-06-30 00:00:00
Facility Name:	SA RECYCLING
Facility Address:	8822 ETIWANDA AVE
Facility Address 2:	Not reported
Facility City:	RANCHO CUCAMONGA
Facility County:	Not reported
Facility State:	CA
Facility Zip:	91739

C20 **BERNELL HYDRAULICS, INC.** **RCRA NonGen / NLR** **1026711377**
NE **8810 ETIWANDA AVENUE** **CAC003099548**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.049 mi.
258 ft. **Site 7 of 11 in cluster C**

Relative:
Higher

Actual:
1128 ft.

RCRA Listings:

Date Form Received by Agency:	20210105
Handler Name:	Bernell Hydraulics, Inc.
Handler Address:	8810 ETIWANDA AVENUE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9662
EPA ID:	CAC003099548
Contact Name:	RHONDA GARNESS
Contact Address:	8810 ETIWANDA AVENUE
Contact City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9662
Contact Telephone:	909-899-1751
Contact Fax:	Not reported
Contact Email:	RANCHO@BERNELLHYDRAULICS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	8810 ETIWANDA AVENUE
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9662
Owner Name:	Rhonda Garness
Owner Type:	Other
Operator Name:	Rhonda Garness
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No

BERNELL HYDRAULICS, INC. (Continued) **1026711377**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210226
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: RHONDA GARNESS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8810 ETIWANDA AVENUE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9662
Owner/Operator Telephone:	909-899-1751
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: RHONDA GARNESS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8810 ETIWANDA AVENUE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9662

BERNELL HYDRAULICS, INC. (Continued) **1026711377**

Owner/Operator Telephone: 909-899-1751
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20210105
Handler Name: BERNELL HYDRAULICS, INC.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 316110
NAICS Description: LEATHER AND HIDE TANNING AND FINISHING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C21 **BERNELL HYDRAULICS INC** **RCRA-SQG** **1004675774**
NE **8810 ETIWANDA AVENUE** **FINDS** **CAR000076950**
< 1/8 **RANCHO CUCAMONGA, CA 91739** **ECHO**
0.049 mi.
258 ft. **Site 8 of 11 in cluster C**

Relative: **Higher**
Actual: **1128 ft.**

RCRA Listings:
Date Form Received by Agency: 20000703
Handler Name: Burnell Hydrolics
Handler Address: 8810 ETIWANDA AVE
Handler City,State,Zip: RANCHO CUCAMONGA, CA 91739-0417
EPA ID: CAR000076950
Contact Name: T J JONES
Contact Address: 8810 ETIWANDA AVE
Contact City,State,Zip: RANCHO CUCAMONGA, CA 91739-0417
Contact Telephone: 909-899-1751
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities

BERNELL HYDRAULICS INC (Continued) **1004675774**

State District Owner:	Not reported
State District:	Not reported
Mailing Address:	8810 ETIWANDA AVE
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739-0417
Owner Name:	Terrance Jones
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D039
Waste Description:	Tetrachloroethylene

Handler - Owner Operator:

Owner/Operator Indicator:	Owner

BERNELL HYDRAULICS INC (Continued) **1004675774**

Owner/Operator Name: TERRANCE JONES
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 8810 ETIWANDA AVE
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739-0417
Owner/Operator Telephone: 909-899-1751
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20000703
Handler Name: BURNELL HYDROLICS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110011914170

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The National Pollutant Discharge Elimination System (NPDES) module of the Integrated Compliance Information System (ICIS). 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.
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).

BERNELL HYDRAULICS INC (Continued) **1004675774**

The National Compliance Database (NCDB) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA).
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

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

ECHO:

Envid:	1004675774
Registry ID:	110011914170
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110011914170
Name:	BERNELL HYDRAULICS INC
Address:	8810 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739

C22 **BERNELL HYDRAULICS INC** **RCRA NonGen / NLR** **1024830049**
NE **8810 ETIWANDA AVE** **CAL000364475**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.049 mi.
258 ft. **Site 9 of 11 in cluster C**

Relative: Higher
Actual: 1128 ft.

RCRA Listings:

Date Form Received by Agency:	20110610
Handler Name:	Bernell Hydraulics Inc
Handler Address:	8810 ETIWANDA AVE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9662
EPA ID:	CAL000364475
Contact Name:	RHONDA GARNESS
Contact Address:	8810 ETIWANDA AVE
Contact City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact Telephone:	909-899-1751
Contact Fax:	909-899-3916
Contact Email:	RANCHO@BERNELLHYDRAULICS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 417
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739-0000
Owner Name:	Rhonda Garness
Owner Type:	Other
Operator Name:	Rhonda Garness
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No

BERNELL HYDRAULICS INC (Continued) **1024830049**

Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: RHONDA GARNESS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8810 ETIWANDA AVE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9662
Owner/Operator Telephone:	909-899-1751
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: RHONDA GARNESS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

BERNELL HYDRAULICS INC (Continued) **1024830049**

Owner/Operator Address: 8810 ETIWANDA AVE
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: 909-899-1751
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20110610
Handler Name: BERNELL HYDRAULICS INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 42183
NAICS Description: INDUSTRIAL MACHINERY AND EQUIPMENT WHOLESALERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C23 **BERNELL HYDRAULICS** **ENVIROSTOR** **S104764254**
NE **8810 ETIWANDA AVENUE** **AST** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739** **VCP**
0.049 mi. **CERS HAZ WASTE**
258 ft. **Site 10 of 11 in cluster C** **CERS TANKS**
CHMIRS
Relative: Higher **NPDES**
San Bern. Co. Permit
Actual: 1128 ft. **WDS**
CIWQS
CERS

ENVIROSTOR:
Name: BERNELL HYDRAULICS
Address: 8810 ETIWANDA AVENUE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Facility ID: 60003183
Status: Active
Status Date: 09/17/2021
Site Code: 401987
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Agreement
Acres: 0.85
NPL: NO

BERNELL HYDRAULICS (Continued) **S104764254**

Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Travis Coburn
Supervisor: Emad Yemut
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 50
Senate: 29
Special Program: Voluntary Agreement - Standard Voluntary Agreement
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.09346
Longitude: -117.5244
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 401987
Alias Type: Project Code (Site Code)
Alias Name: 60003183
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 02/02/2022
Comments: Executed Agreement and attachments sent to proponents on 2/2/2022

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Supplemental Site Investigation Report
Future Due Date: 2023
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

AST:
Name: BERNELL HYDRAULICS, INC.
Address: 8810 ETIWANDA AVE
City/Zip: RANCHO CUCAMONGA,91739
Certified Unified Program Agencies: Not reported
Owner: GARNESS, RHONDA
Total Gallons: Not reported
CERSID: 10036258
Facility ID: FA0001427
Business Name: BERNELL HYDRAULICS, INC.
Phone: (909) 899-1751
Fax: (909) 899-3916
Mailing Address: 8810 ETIWANDA AVE
Mailing Address City: RANCHO CUCAMONGA
Mailing Address State: CA
Mailing Address Zip Code: 91739
Operator Name: Rhonda Garness

BERNELL HYDRAULICS (Continued) **S104764254**

Operator Phone:	909-721-3545
Owner Phone:	909-721-3545
Owner Mail Address:	P O BOX 417
Owner State:	CA
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAL000364475

VCP:

Name:	BERNELL HYDRAULICS
Address:	8810 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	60003183
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Agreement
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	0.85
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Travis Coburn
Supervisor:	Emad Yemut
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	401987
Assembly:	50
Senate:	29
Special Programs Code:	Voluntary Agreement - Standard Voluntary Agreement
Status:	Active
Status Date:	09/17/2021
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	34.09346 / -117.5244
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	401987
Alias Type:	Project Code (Site Code)
Alias Name:	60003183
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	02/02/2022
Comments:	Executed Agreement and attachments sent to proponents on 2/2/2022

BERNELL HYDRAULICS (Continued) **S104764254**

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Supplemental Site Investigation Report
Future Due Date: 2023
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

CERS HAZ WASTE:
Name: BERNELL HYDRAULICS, INC.
Address: 8810 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 11877
CERS ID: 10036258
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: BERNELL HYDRAULICS, INC.
Address: 8810 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 11877
CERS ID: 10036258
CERS Description: Aboveground Petroleum Storage

CHMIRS:
Name: Not reported
Address: 8810 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
OES Incident Number: 2-0970
OES notification: 02/20/2002
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported

BERNELL HYDRAULICS (Continued) **S104764254**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	a dry channel
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	San Bernardino Co. Fire
Incident Date:	2/20/200212:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Used Oil
Gallons:	500
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Possibly employees were throwing used oil over the wall. Some of that oil went into a dry channel behind the wall. This case is under investigation.

NPDES:

Name:	BERNELL HYDRAULICS INC
Address:	8810 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36I011575
Regulatory Measure Type:	Industrial

BERNELL HYDRAULICS (Continued) **S104764254**

Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	04/26/1995
Operator Name:	Bernell Hydraulics Inc
Operator Address:	PO Box 417
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213326
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I011575
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/26/1995
Status:	Active
Status Date:	04/26/1995
Place Size:	39204
Place Size Unit:	SqFt
Contact:	Rhonda Garness
Contact Title:	Not reported
Contact Phone:	909-899-1751
Contact Phone Ext:	Not reported
Contact Email:	rancho@bernellhydraulics.com
Operator Name:	Bernell Hydraulics Inc
Operator Address:	PO Box 417
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739
Operator Contact:	Rhonda Garness
Operator Contact Title:	Not reported
Operator Contact Phone:	909-899-1751
Operator Contact Phone Ext:	Not reported

BERNELL HYDRAULICS (Continued) **S104764254**

Operator Contact Email:	rancho@bernellhydraulics.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River
Certifier:	John Clemons
Certifier Title:	C.O.O.
Certification Date:	18-JUN-15
Primary Sic:	3569-General Industrial Machinery and Equipment, NEC
Secondary Sic:	3593-Fluid Power Cylinders and Actuators
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213326
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I011575
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/26/1995
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Bernell Hydraulics Inc
Discharge Address:	PO Box 417
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Received Date:	Not reported

BERNELL HYDRAULICS (Continued) **S104764254**

Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

BERNELL HYDRAULICS (Continued) **S104764254**

Name:	BERNELL HYDRAULICS INC
Address:	8810 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	213326
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 36I011575
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/26/1995
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PO Box 417
Discharge Name:	Bernell Hydraulics Inc
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213326
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I011575
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/26/1995
Status:	Active
Status Date:	04/26/1995
Place Size:	39204
Place Size Unit:	SqFt
Contact:	Rhonda Garness
Contact Title:	Not reported

BERNELL HYDRAULICS (Continued) **S104764254**

Contact Phone:	909-899-1751
Contact Phone Ext:	Not reported
Contact Email:	rancho@bernellhydraulics.com
Operator Name:	Bernell Hydraulics Inc
Operator Address:	PO Box 417
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739
Operator Contact:	Rhonda Garness
Operator Contact Title:	Not reported
Operator Contact Phone:	909-899-1751
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	rancho@bernellhydraulics.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River
Certifier:	John Clemons
Certifier Title:	C.O.O.
Certification Date:	18-JUN-15
Primary Sic:	3569-General Industrial Machinery and Equipment, NEC
Secondary Sic:	3593-Fluid Power Cylinders and Actuators
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213326
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported

BERNELL HYDRAULICS (Continued) **S104764254**

WDID:	8 36I011575
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/26/1995
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Bernell Hydraulics Inc
Discharge Address:	PO Box 417
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported

BERNELL HYDRAULICS (Continued) **S104764254**

Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:

Name:	BERNELL HYDRAULICS, INC.
Address:	8810 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0001427
Owner:	GARNESS, RHONDA
Permit Number:	PT0001609
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	ACTIVE
Expiration Date:	09/30/2023

Name:	BERNELL HYDRAULICS, INC.
Address:	8810 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0001427
Owner:	GARNESS, RHONDA
Permit Number:	PT0001608
Permit Category:	HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	09/30/2023

Name:	BERNELL HYDRAULICS, INC.
Address:	8810 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0001427
Owner:	GARNESS, RHONDA
Permit Number:	PT0027558
Permit Category:	APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status:	ACTIVE
Expiration Date:	09/30/2023

Name:	BERNELL HYDRAULICS, INC.
Address:	8810 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0001427
Owner:	GARNESS, RHONDA
Permit Number:	PT0001619
Permit Category:	ABOVEGROUND PETROLEUM STORAGE (AST) (SPCC)
Facility Status:	INACTIVE
Expiration Date:	09/30/2010

BERNELL HYDRAULICS (Continued) **S104764254**

WDS:

Name:	BERNELL HYDRAULICS
Address:	8810 ETIWANDA AVE
City:	RANCHO CUCAMONGA
Facility ID:	Santa Ana River 36I011575
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	8
Facility Telephone:	9098991751
Facility Contact:	TERRY JONES
Agency Name:	JONES TERRY
Agency Address:	PO Box 417
Agency City,St,Zip:	Rancho Cucamonga 917390417
Agency Contact:	TERRY JONES
Agency Telephone:	9098991751
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	BERNELL HYDRAULICS INC
Address:	8810 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	Bernell Hydraulics Inc
Agency Address:	PO Box 417, Rancho Cucamonga, CA 91739

BERNELL HYDRAULICS (Continued) **S104764254**

Place/Project Type:	Industrial - General Industrial Machinery and Equipment, NEC
SIC/NAICS:	3569(+)
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I011575
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/26/1995
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	2
Violations within 5 years:	2
Latitude:	34.09275
Longitude:	-117.52381

CERS:

Name:	BERNELL HYDRAULICS, INC.
Address:	8810 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	11877
CERS ID:	10036258
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	01-28-2016
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan .
Violation Notes:	Returned to compliance on 05/19/2016. SPCC not prepared or unavailable for review.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	07-08-2021
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 08/05/2021. OBSERVATION: (1) 55 gallon drum of aerosol cans was observed without a hazardous waste label. CORRECTIVE ACTION: Properly label all hazardous waste containers and

BERNELL HYDRAULICS (Continued) **S104764254**

submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-16-2022
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: Failure to submit 2021 - 2022 Annual Report by due date
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-08-2021
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 08/05/2021. OBSERVATION: (1) 55 gallon drum of used oil and fuel filters was observed without a label and without an accumulation start date. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the used oil and fuel filters are being properly managed or submit a bill of lading to this department demonstrating proper disposal.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-08-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 08/11/2021. OBSERVATION: The inventory reported in CERS is not reflective of what was observed onsite during the inspection. Refer to the inventory section of this report for more detail. CORRECTIVE ACTION: Submit an accurate and complete hazardous materials inventory via CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 01-28-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

BERNELL HYDRAULICS (Continued) **S104764254**

Violation Notes: Returned to compliance on 05/19/2016.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-08-2021
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 08/05/2021. OBSERVATION: (1) 1,000 gallon tank of used oil has an accumulation start date of 10/16/2020, exceeding the amount of time hazardous waste can be stored onsite prior to being properly disposed of. CORRECTIVE ACTION: Dispose of hazardous waste that has been stored over the applicable time limit and provide documentation that the violation has been corrected.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 01-28-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/19/2016. Failure to obtain an EPA ID Number (CCR 66262.12(a)) EPA ID number not active.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 01-28-2016
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 01/28/2016. Failure to complete hazardous waste labels (CCR 66262.34(f)(3)) Label missing information.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-01-2013
Citation: 2014-0057-DWQ - Industrial General Permit

BERNELL HYDRAULICS (Continued) **S104764254**

Violation Description: SW - Late Report
Violation Notes: Failure to submit Annual Report for the reporting year 2012-2013 by July 1, 2013. Annual Report 2012-2013 1st Notice of Non-Compliance was sent out on July 31, 2013.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 01-28-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/19/2016. Failure to maintain used oil disposal receipts for at least 3 years (CHSC 25160.2(b)(3)) Disposal records not available for review.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 10-23-2018
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan.
Violation Notes: Returned to compliance on 11/15/2018. OBSERVATION: At time of inspection, an incomplete SPCC plan was made available for review. Elements of the SPCC plan were not filled out and missing the required information. CORRECTIVE ACTION: Submit a signed statement indicating that an SPCC plan has been prepared.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 01-28-2016
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 01/28/2016. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) Accumulation start date missing.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-08-2021
Citation: HSC 6.67 25270.6(a)(1), 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(1), 25270.6(a)(2)
Violation Description: Failure to submit a tank facility statement on or before January 1 annually unless a current Business Plan has been submitted.

BERNELL HYDRAULICS (Continued) **S104764254**

Violation Notes: Returned to compliance on 08/16/2021. OBSERVATION: The APSA Facility Information reported in CERS is not accurate to how much petroleum based product is stored on site. CORRECTIVE ACTION: Submit a complete Tank Facility Statement or a complete Business Plan via CERS within 30 days.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-08-2021
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 08/05/2021. OBSERVATION: Hazardous Waste Manifests for the used oil were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests for the used oil and submit copies of the two most recent manifest records to this Division.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-16-2020
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: Failure to submit 2019 - 2020 Annual Report by due date
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: BERNELL INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE APSA INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

BERNELL HYDRAULICS (Continued) **S104764254**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-15-2012
Violations Found: No

BERNELL HYDRAULICS (Continued) **S104764254**

Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Staff performed inspection of the facility's south side perimeter during a light rain event to observe any run-off from the site. Site did not generate run-off during a 0.20in storm event for the area on this day (reported by the San Bernardino Flood Control District for this area). Staff would contact site's representative to notify the need for housekeeping along the south perimeter.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Site Address: 8810 ETIWANDA AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 07-31-2013
Enf Action Type: Industrial Storm Water Enforcement
Enf Action Description: Industrial Storm Water Enforcement
Enf Action Notes: Site has not submitted the 2012-2013 annual report by 07/01/2013. - 1st Notice of Non-Compliance sent on 07/31/2013, via certified mail to facility, CC to owner.
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Site Address: 8810 ETIWANDA AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 08-17-2020
Enf Action Type: Industrial Storm Water Enforcement
Enf Action Description: Industrial Storm Water Enforcement
Enf Action Notes: Failure to submit 2019-2020 Annual Report by due date
Enf Action Division: Water Boards
Enf Action Program: INDSTW
Enf Action Source: SMARTS,

BERNELL HYDRAULICS (Continued) **S104764254**

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Site Address:	8810 ETIWANDA AVE
Site City:	RANCHO CUCAMONGA
Site Zip:	91739
Enf Action Date:	01-28-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Site Address:	8810 ETIWANDA AVE
Site City:	RANCHO CUCAMONGA
Site Zip:	91739
Enf Action Date:	08-11-2022
Enf Action Type:	Industrial Storm Water Enforcement
Enf Action Description:	Industrial Storm Water Enforcement
Enf Action Notes:	Failure to submit 2021-2022 Annual Report by the due date
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Site Address:	8810 ETIWANDA AVE
Site City:	RANCHO CUCAMONGA
Site Zip:	91739
Enf Action Date:	01-28-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Site Address:	8810 ETIWANDA AVE
Site City:	RANCHO CUCAMONGA
Site Zip:	91739
Enf Action Date:	01-28-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	APSA
Enf Action Source:	CERS,

Coordinates:

Site ID:	11877
Facility Name:	BERNELL HYDRAULICS, INC.
Env Int Type Code:	SMSWIND
Program ID:	209334

BERNELL HYDRAULICS (Continued) **S104764254**

Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.092750
Longitude: -117.523810

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Rhonda Garness
Entity Title: CEO
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Rhonda Garness
Entity Title: Not reported
Affiliation Address: P O BOX 417
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91739-9173
Affiliation Phone: (909) 721-3545,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 8810 ETIWANDA AVE
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: ,

Affiliation Type Desc: Owner/Operator
Entity Name: Bernell Hydraulics Inc
Entity Title: Operator
Affiliation Address: PO Box 417
Affiliation City: Rancho Cucamonga
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation

BERNELL HYDRAULICS (Continued) **S104764254**

Entity Name:	BERNELL HYDRAULICS, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Rhonda Garness
Entity Title:	Not reported
Affiliation Address:	8810 ETIWANDA AVE
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91739
Affiliation Phone:	(909) 899-1751,
Affiliation Type Desc:	Document Preparer
Entity Name:	Sandy Kinnee
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	William White
Entity Title:	Not reported
Affiliation Address:	8810 ETIWANDA AVE
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Rhonda Garness
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 721-3545,

Name:	BERNELL HYDRAULICS, INC.
Address:	8810 ETIWANDA AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	11877
CERS ID:	209334
CERS Description:	Industrial Facility Storm Water

BERNELL HYDRAULICS (Continued) **S104764254**

Violations:

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	01-28-2016
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan .
Violation Notes:	Returned to compliance on 05/19/2016. SPCC not prepared or unavailable for review.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	07-08-2021
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 08/05/2021. OBSERVATION: (1) 55 gallon drum of aerosol cans was observed without a hazardous waste label. CORRECTIVE ACTION: Properly label all hazardous waste containers and submit a photo to the CUPA demonstrating that the container listed above has been properly labeled.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	07-16-2022
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Late Report
Violation Notes:	Failure to submit 2021 - 2022 Annual Report by due date
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Violation Date:	07-08-2021
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 08/05/2021. OBSERVATION: (1) 55 gallon drum of used oil and fuel filters was observed without a label and without an accumulation start date. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the used oil and fuel filters are being properly managed or submit a bill of lading to this department demonstrating proper disposal.
Violation Division:	San Bernardino County Fire Department

BERNELL HYDRAULICS (Continued) **S104764254**

Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-08-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 08/11/2021. OBSERVATION: The inventory reported in CERS is not reflective of what was observed onsite during the inspection. Refer to the inventory section of this report for more detail. CORRECTIVE ACTION: Submit an accurate and complete hazardous materials inventory via CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 01-28-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 05/19/2016.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-08-2021
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 08/05/2021. OBSERVATION: (1) 1,000 gallon tank of used oil has an accumulation start date of 10/16/2020, exceeding the amount of time hazardous waste can be stored onsite prior to being properly disposed of. CORRECTIVE ACTION: Dispose of hazardous waste that has been stored over the applicable time limit and provide documentation that the violation has been corrected.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877

BERNELL HYDRAULICS (Continued) **S104764254**

Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 01-28-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/19/2016. Failure to obtain an EPA ID Number (CCR 66262.12(a)) EPA ID number not active.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 01-28-2016
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 01/28/2016. Failure to complete hazardous waste labels (CCR 66262.34(f)(3)) Label missing information.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-01-2013
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: Failure to submit Annual Report for the reporting year 2012-2013 by July 1, 2013. Annual Report 2012-2013 1st Notice of Non-Compliance was sent out on July 31, 2013.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 01-28-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 05/19/2016. Failure to maintain used oil disposal receipts for at least 3 years (CHSC 25160.2(b)(3)) Disposal records not available for review.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 10-23-2018
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan.
Violation Notes: Returned to compliance on 11/15/2018. OBSERVATION: At time of inspection, an incomplete SPCC plan was made available for review.

BERNELL HYDRAULICS (Continued) **S104764254**

Elements of the SPCC plan were not filled out and missing the required information. CORRECTIVE ACTION: Submit a signed statement indicating that an SPCC plan has been prepared.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 01-28-2016
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 01/28/2016. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) Accumulation start date missing.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-08-2021
Citation: HSC 6.67 25270.6(a)(1), 25270.6(a)(2) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(a)(1), 25270.6(a)(2)
Violation Description: Failure to submit a tank facility statement on or before January 1 annually unless a current Business Plan has been submitted.
Violation Notes: Returned to compliance on 08/16/2021. OBSERVATION: The APSA Facility Information reported in CERS is not accurate to how much petroleum based product is stored on site. CORRECTIVE ACTION: Submit a complete Tank Facility Statement or a complete Business Plan via CERS within 30 days.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.
Violation Date: 07-08-2021
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 08/05/2021. OBSERVATION: Hazardous Waste Manifests for the used oil were not available at the time of inspection. CORRECTIVE ACTION: Locate a copy of all manifests for the used oil and submit copies of the two most recent manifest records to this Division.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 11877
Site Name: BERNELL HYDRAULICS, INC.

BERNELL HYDRAULICS (Continued) **S104764254**

Violation Date: 07-16-2020
Citation: 2014-0057-DWQ - Industrial General Permit
Violation Description: SW - Late Report
Violation Notes: Failure to submit 2019 - 2020 Annual Report by due date
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-29-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: BERNELL INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE APSA INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2021
Violations Found: Yes

BERNELL HYDRAULICS (Continued) **S104764254**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-15-2012
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Staff performed inspection of the facility's south side perimeter during a light rain event to observe any run-off from the site. Site did not generate run-off during a 0.20in storm event for the area on this day (reported by the San Bernardino Flood Control District for this area). Staff would contact site's representative to notify the need for housekeeping along the south perimeter.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-08-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-23-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

BERNELL HYDRAULICS (Continued) **S104764254**

Enforcement Action:

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Site Address:	8810 ETIWANDA AVE
Site City:	RANCHO CUCAMONGA
Site Zip:	91739
Enf Action Date:	07-31-2013
Enf Action Type:	Industrial Storm Water Enforcement
Enf Action Description:	Industrial Storm Water Enforcement
Enf Action Notes:	Site has not submitted the 2012-2013 annual report by 07/01/2013. - 1st Notice of Non-Compliance sent on 07/31/2013, via certified mail to facility, CC to owner.
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Site Address:	8810 ETIWANDA AVE
Site City:	RANCHO CUCAMONGA
Site Zip:	91739
Enf Action Date:	08-17-2020
Enf Action Type:	Industrial Storm Water Enforcement
Enf Action Description:	Industrial Storm Water Enforcement
Enf Action Notes:	Failure to submit 2019-2020 Annual Report by due date
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Site Address:	8810 ETIWANDA AVE
Site City:	RANCHO CUCAMONGA
Site Zip:	91739
Enf Action Date:	01-28-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS,

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Site Address:	8810 ETIWANDA AVE
Site City:	RANCHO CUCAMONGA
Site Zip:	91739
Enf Action Date:	08-11-2022
Enf Action Type:	Industrial Storm Water Enforcement
Enf Action Description:	Industrial Storm Water Enforcement
Enf Action Notes:	Failure to submit 2021-2022 Annual Report by the due date
Enf Action Division:	Water Boards
Enf Action Program:	INDSTW
Enf Action Source:	SMARTS,

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.

BERNELL HYDRAULICS (Continued) **S104764254**

Site Address:	8810 ETIWANDA AVE
Site City:	RANCHO CUCAMONGA
Site Zip:	91739
Enf Action Date:	01-28-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Site ID:	11877
Site Name:	BERNELL HYDRAULICS, INC.
Site Address:	8810 ETIWANDA AVE
Site City:	RANCHO CUCAMONGA
Site Zip:	91739
Enf Action Date:	01-28-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	APSA
Enf Action Source:	CERS,

Coordinates:

Site ID:	11877
Facility Name:	BERNELL HYDRAULICS, INC.
Env Int Type Code:	SMSWIND
Program ID:	209334
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	34.092750
Longitude:	-117.523810

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Rhonda Garness
Entity Title:	CEO
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Rhonda Garness
Entity Title:	Not reported
Affiliation Address:	P O BOX 417
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91739-9173
Affiliation Phone:	(909) 721-3545,

Affiliation Type Desc:	CUPA District

BERNELL HYDRAULICS (Continued) **S104764254**

Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	8810 ETIWANDA AVE
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,
Affiliation Type Desc:	Owner/Operator
Entity Name:	Bernell Hydraulics Inc
Entity Title:	Operator
Affiliation Address:	PO Box 417
Affiliation City:	Rancho Cucamonga
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	BERNELL HYDRAULICS, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Rhonda Garness
Entity Title:	Not reported
Affiliation Address:	8810 ETIWANDA AVE
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91739
Affiliation Phone:	(909) 899-1751,
Affiliation Type Desc:	Document Preparer
Entity Name:	Sandy Kinnee
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported

BERNELL HYDRAULICS (Continued) **S104764254**

Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	William White
Entity Title:	Not reported
Affiliation Address:	8810 ETIWANDA AVE
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	Rhonda Garness
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 721-3545,

C24 **BERNELL HYDRAULICS INC** **PFAS ECHO** **1027331724**
NE **N/A**
< 1/8 **RANCHO CUCAMONGA, CA**
0.049 mi.
259 ft. **Site 11 of 11 in cluster C**

Relative: **Higher**

Actual: **1128 ft.**

PFAS ECHO:

Name:	BERNELL HYDRAULICS INC
Address:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA
Latitude:	34.09347
Longitude:	-117.52382
Count:	1
County:	SAN BERNARDINO
Status:	Active
Region:	09
Industry:	Textiles and Leather
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110011914170
Facility Percent Minority:	73.372
Facility Derived Tribes:	San Manuel Band of Mission Indians, California - 17.2 mile(s), San Manuel Band of Mission Indians, California - 17.4 mile(s)
Facility Population:	2864.03
EPA Programs:	CWA; RCRA
Federal Facility:	No
Federal Agency:	-
Facility FIPS Code:	06071
Facility Indian Country Flag:	N
Facility Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Facility Derived HUC:	18070203
Facility Derived WBD:	180702030804
Facility Derived CD113:	31
Facility Derived CB2010:	060710022071027
Facility Major Flag:	-
Facility Active Flag:	Y
Facility Inspection Count:	0

BERNELL HYDRAULICS INC (Continued) **1027331724**

Facility Date Last Inspection:	-
Facility Days Last Inspection:	-
Facility Informal Count:	2
Facility Date Last Informal Action:	8/11/2022
Facility Formal Action Count:	0
Facility Date Last Formal Action:	-
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	-
Facility Last Penalty AMT:	-
Facility QTRS With NC:	7
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	Y
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AIR IDS:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDS:	CAZ213326
CWA Permit Types:	Minor
CWA NAICS:	-
CWA SICS:	-
RCRA IDS:	CAC003099548 CAL000364475 CAR000076950
RCRA Permit Types:	Other, SQG
RCRA NAICS:	42183 316110
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	-
TRI Releases Transfers:	-
TRI On Site Releases:	-
TRI Off Site Transfers:	-
TRI Reporter:	-
Facility IMP Water Flag:	Y
EJSCREEN Flag US:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-117.52382,%22y%22:34.09347,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

D25 **SOUTHERN CALIFORNIA EDISON** **RCRA NonGen / NLR** **1025881405**
East **8949 ETIWANDA AVE** **CAP000230714**
< 1/8 **ETIWANDA, CA 91739**
0.073 mi.
386 ft. **Site 1 of 2 in cluster D**

Relative:
Lower

Actual:
1111 ft.

RCRA Listings:

Date Form Received by Agency:	20130121
Handler Name:	Southern California Edison
Handler Address:	8949 ETIWANDA AVE
Handler City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAP000230714

SOUTHERN CALIFORNIA EDISON (Continued) **1025881405**

Contact Name:	SARA DUVALL
Contact Address:	PO BOX 800
Contact City,State,Zip:	ROSEMEAD, CA 91770
Contact Telephone:	626-462-8714
Contact Fax:	Not reported
Contact Email:	SARA.DUVALL@SCE.COM
Contact Title:	TECHNICAL SPEC
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 800
Mailing City,State,Zip:	ROSEMEAD, CA 91770
Owner Name:	Southern California Edison
Owner Type:	Private
Operator Name:	Southern California Edison
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20130131
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

SOUTHERN CALIFORNIA EDISON (Continued) **1025881405**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	Lead

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOUTHERN CALIFORNIA EDISON
Legal Status:	Private
Date Became Current:	19750101
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 800
Owner/Operator City,State,Zip:	ROSEMEAD, CA 91770
Owner/Operator Telephone:	626-302-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SOUTHERN CALIFORNIA EDISON
Legal Status:	Private
Date Became Current:	19750101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	SOUTHERN CALIFORNIA EDISON
Legal Status:	Private
Date Became Current:	19750101
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 800
Owner/Operator City,State,Zip:	ROSEMEAD, CA 91770
Owner/Operator Telephone:	626-302-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	SOUTHERN CALIFORNIA EDISON
Legal Status:	Private
Date Became Current:	19750101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported

SOUTHERN CALIFORNIA EDISON (Continued) **1025881405**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20130121
Handler Name: SOUTHERN CALIFORNIA EDISON
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20121022
Handler Name: SOUTHERN CALIFORNIA EDISON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221122
NAICS Description: ELECTRIC POWER DISTRIBUTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D26 **ALL STATE RECYCLING** **CPS-SLIC S109435189**
East **8949 ETIWANDA AVENUE** **CERS N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.073 mi.
386 ft. **Site 2 of 2 in cluster D**

Relative: CPS-SLIC:
Lower
Actual: Name: ALL STATE RECYCLING
1111 ft. Address: 8949 ETIWANDA AVENUE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 06/28/2013
Global Id: T10000004163

ALL STATE RECYCLING (Continued) **S109435189**

Lead Agency:	SAN BERNARDINO COUNTY
Lead Agency Case Number:	RO0001337V
Latitude:	34.090844
Longitude:	-117.522725
Case Type:	Cleanup Program Site
Case Worker:	CB
Local Agency:	SAN BERNARDINO COUNTY
RB Case Number:	Not reported
File Location:	Local Agency
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Lead
EPA Region:	9
Coordinate Source:	Not reported
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	05/08/2012
Leak Reported Date:	04/09/2012
How Discovered:	Site Assessment/Site Investigation
How Discovered Description:	contamination discovered during site investigation
Discharge Source:	Other
Discharge Cause:	Unknown
Stop Method:	Other Means
Stop Description:	Not reported
No Further Action Date:	06/28/2013
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	76-80%
CA Enviroscreen 4 Score:	65-70%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

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

CERS:

Name:	ALL STATE RECYCLING
Address:	8949 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	633255
CERS ID:	T10000004163
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	CURTIS BRUNDAGE - SAN BERNARDINO COUNTY
Entity Title:	Not reported
Affiliation Address:	620 S. E STREET
Affiliation City:	SAN BERNARDINO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

E27 **YAQUIS TRUCK REPAIR** **RCRA NonGen / NLR** **1024862816**
ENE **8821 ETIWANDA AVE** **CAL000431340**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.077 mi.
409 ft. **Site 1 of 3 in cluster E**

Relative:
Higher

Actual:
1124 ft.

RCRA Listings:

Date Form Received by Agency:	20171009
Handler Name:	Yaquis Truck Repair
Handler Address:	8821 ETIWANDA AVE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAL000431340
Contact Name:	IRINEO MOSQUEDA
Contact Address:	9533 MARCONA AVE
Contact City,State,Zip:	FONTANA, CA 92335
Contact Telephone:	909-827-0723
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	8821 ETIWANDA AVE
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner Name:	Irineo Mosqueda
Owner Type:	Other
Operator Name:	Irineo Mosqueda
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

YAQUIS TRUCK REPAIR (Continued) **1024862816**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: IRINEO MOSQUEDA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9533 MARCONA AVE
Owner/Operator City,State,Zip:	FONTANA, CA 92335
Owner/Operator Telephone:	909-827-0723
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: IRINEO MOSQUEDA	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	9533 MARCONA AVE
Owner/Operator City,State,Zip:	FONTANA, CA 92335
Owner/Operator Telephone:	909-827-0723
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20171009
Handler Name: YAQUIS TRUCK REPAIR	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

YAQUIS TRUCK REPAIR (Continued) **1024862816**

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E28 **A G TRANSPORT** **San Bern. Co. Permit** **S108240185**
ENE **8821 ETIWANDA** **N/A**
< 1/8 **RANCHO CUCAMONGA, CA 91739**
0.077 mi.
409 ft. **Site 2 of 3 in cluster E**

Relative:
Higher

Actual:
1124 ft.

San Bern. Co. Permit:
Name: A G TRANSPORT
Address: 8821 ETIWANDA
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0010759
Owner: CONTENERO, DANIEL
Permit Number: PT0018476
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 01/31/2009

Name: A G TRANSPORT
Address: 8821 ETIWANDA
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0010759
Owner: CONTENERO, DANIEL
Permit Number: PT0018475
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 01/31/2009

Name: PRECISION TOOL WORKS
Address: 8821 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0005397
Owner: STRACK, JAY
Permit Number: PT0007280
Permit Category: HAZMAT HANDLER 0-10 EMPLOYEES (W/GEN PRMT)
Facility Status: INACTIVE
Expiration Date: 12/31/2007

Name: CJM TRUCKING COMPANY
Address: 8821 ETIWANDA
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0002212

A G TRANSPORT (Continued) **S108240185**

Owner: CJM TRUCKING COMPANY
Permit Number: PT0009805
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 11/30/2007

Name: CJM TRUCKING COMPANY
Address: 8821 ETIWANDA
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0002212
Owner: CJM TRUCKING COMPANY
Permit Number: PT0009804
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 11/30/2007

E29 **BERNELL HYDRAULICS INC** **RCRA-SQG 1001967580**
ENE **8821 ETIWANDA AVE** **FINDS CAR000070748**
< 1/8 **RANCHO CUCAMONGA, CA 91739** **ECHO**
0.077 mi. **HAZNET**
409 ft. **Site 3 of 3 in cluster E** **NPDES**
CIWQS
Relative: Higher **CERS**
HWTS

Actual: 1124 ft.

RCRA Listings:
Date Form Received by Agency: 20000417
Handler Name: Bernell Hydraulics Inc
Handler Address: 8821 ETIWANDA AVE
Handler City,State,Zip: RANCHO CUCAMONGA, CA 91739-0417
EPA ID: CAR000070748
Contact Name: T J JONES
Contact Address: 8810 ETIWANDA AVE
Contact City,State,Zip: RANCHO CUCAMONGA, CA 91739-0417
Contact Telephone: 909-899-1751
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: P O BOX 417
Mailing City,State,Zip: RANCHO CUCAMONGA, CA 91739-0417
Owner Name: Terrance B Jones
Owner Type: Private
Operator Name: Not reported
Operator Type: Not reported
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No

BERNELL HYDRAULICS INC (Continued) **1001967580**

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D000
Waste Description:	Not Defined
Waste Code:	D039
Waste Description:	Tetrachloroethylene

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: TERRANCE B JONES	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8810 ETIWANDA AVE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739-0417
Owner/Operator Telephone:	909-899-1751
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

BERNELL HYDRAULICS INC (Continued) **1001967580**

Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20000417
Handler Name: BERNELL HYDRAULICS INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002935450

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California's Hazardous Waste Tracking System Data Mart (HWTS-DATAMART) provides information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

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

ECHO:
Envid: 1001967580
Registry ID: 110002935450
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002935450
Name: BERNELL HYDRAULICS INC
Address: 8821 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739

HAZNET:
Name: BERNELL HYDRAULICS INC

BERNELL HYDRAULICS INC (Continued) **1001967580**

Address:	8821 ETIWANDA AVE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 917390417
Contact:	RHONDA GARNESS
Telephone:	9098991751
Mailing Name:	Not reported
Mailing Address:	8810 Etiwanda Ave
Year:	2005
Gepaid:	CAR000070748
TSD EPA ID:	CAT000613927
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	1.617
Year:	2004
Gepaid:	CAR000070748
TSD EPA ID:	CAT000613927
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	3.255
Year:	2003
Gepaid:	CAR000070748
TSD EPA ID:	CAT000613927
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	2.9316
Year:	2002
Gepaid:	CAR000070748
TSD EPA ID:	CAT000613927
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	1.407
Year:	2001
Gepaid:	CAR000070748
TSD EPA ID:	CAT000613927
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	0.252
Year:	2000
Gepaid:	CAR000070748
TSD EPA ID:	CAT000613927
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H01 - Transfer Station
Tons:	1.3944

BERNELL HYDRAULICS INC (Continued) **1001967580**

Additional Info:

Year:	2005
Gen EPA ID:	CAR000070748
Shipment Date:	20050623
Creation Date:	9/15/2005 18:32:02
Receipt Date:	20050623
Manifest ID:	24500721
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.147
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050425
Creation Date:	7/20/2005 18:30:55
Receipt Date:	20050425
Manifest ID:	24492484
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050302
Creation Date:	4/29/2005 11:28:07
Receipt Date:	20050302
Manifest ID:	23662469
Trans EPA ID:	TXR000050930

BERNELL HYDRAULICS INC (Continued) **1001967580**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.63
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050113
Creation Date:	3/17/2005 18:34:39
Receipt Date:	20050113
Manifest ID:	23656930
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAR000070748

Shipment Date:	20041117
Creation Date:	1/14/2005 10:18:48
Receipt Date:	20041117
Manifest ID:	23727143
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC

BERNELL HYDRAULICS INC (Continued) **1001967580**

TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.336
Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040928
Creation Date:	3/16/2007 18:31:12
Receipt Date:	20040929
Manifest ID:	23714117
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.525
Waste Quantity:	125
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040805
Creation Date:	11/5/2004 18:32:00
Receipt Date:	20040806
Manifest ID:	23514302
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.504
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported

BERNELL HYDRAULICS INC (Continued) **1001967580**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040616
Creation Date:	10/15/2004 15:16:06
Receipt Date:	20040617
Manifest ID:	23505829
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040420
Creation Date:	10/14/2004 7:49:48
Receipt Date:	20040420
Manifest ID:	23476636
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.525
Waste Quantity:	125
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040301
Creation Date:	8/20/2004 9:49:45
Receipt Date:	20040302
Manifest ID:	23465407

BERNELL HYDRAULICS INC (Continued) **1001967580**

Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040113
Creation Date:	8/12/2004 8:09:46
Receipt Date:	20040114
Manifest ID:	22582886
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.525
Waste Quantity:	125
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAR000070748

Shipment Date:	20031120
Creation Date:	8/5/2004 10:14:17
Receipt Date:	20031120
Manifest ID:	23302071
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927

BERNELL HYDRAULICS INC (Continued) **1001967580**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030929
Creation Date:	7/13/2004 10:48:19
Receipt Date:	20030929
Manifest ID:	22519252
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.525
Waste Quantity:	125
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030805
Creation Date:	7/26/2004 18:30:41
Receipt Date:	20030805
Manifest ID:	22875626
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G

BERNELL HYDRAULICS INC (Continued) **1001967580**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030609
Creation Date:	6/23/2004 10:00:42
Receipt Date:	20030609
Manifest ID:	22370978
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.525
Waste Quantity:	125
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030416
Creation Date:	7/12/2003 18:31:23
Receipt Date:	20030416
Manifest ID:	22442985
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.5166
Waste Quantity:	123
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030221
Creation Date:	5/18/2003 14:32:26
Receipt Date:	20030221

BERNELL HYDRAULICS INC (Continued) **1001967580**

Manifest ID:	22431325
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000613927
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.525
Waste Quantity:	125
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAR000070748
Shipment Date:	20021111
Creation Date:	2/13/2003 18:31:35
Receipt Date:	20021111
Manifest ID:	21939197
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020723
Creation Date:	1/21/2003 18:31:48
Receipt Date:	20020723
Manifest ID:	21743379
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

BERNELL HYDRAULICS INC (Continued) **1001967580**

TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.525
Waste Quantity:	125
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020531
Creation Date:	1/14/2003 18:31:21
Receipt Date:	20020531
Manifest ID:	21594961
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.462
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAR000070748

Shipment Date:	20010625
Creation Date:	8/29/2001 0:00:00
Receipt Date:	20010626
Manifest ID:	21132590
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues

BERNELL HYDRAULICS INC (Continued) **1001967580**

RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.252
Waste Quantity: 60
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2000
Gen EPA ID: CAR000070748

Shipment Date: 20001120
Creation Date: 1/12/2001 0:00:00
Receipt Date: 20001120
Manifest ID: 20290721
Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613927
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.0756
Waste Quantity: 18
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20001115
Creation Date: 1/9/2001 0:00:00
Receipt Date: 20001115
Manifest ID: 20286786
Trans EPA ID: SCR000075150
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613927
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039
Meth Code: H01 - Transfer Station
Quantity Tons: 0.2772
Waste Quantity: 66
Quantity Unit: G

BERNELL HYDRAULICS INC (Continued) **1001967580**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000922
Creation Date:	12/8/2000 0:00:00
Receipt Date:	20000922
Manifest ID:	20023566
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.3738
Waste Quantity:	89
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000830
Creation Date:	12/8/2000 0:00:00
Receipt Date:	20000830
Manifest ID:	20026876
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1134
Waste Quantity:	27
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000724
Creation Date:	9/11/2000 0:00:00
Receipt Date:	20000724

BERNELL HYDRAULICS INC (Continued) **1001967580**

Manifest ID:	20193151
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613927
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.5544
Waste Quantity:	132
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NPDES:

Name:	BERNELL HYDRAULICS
Address:	8821 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36C398335
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	08/16/2022
Operator Name:	Bernell Hydraulics Inc
Operator Address:	PO Box 417
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739

Name:	BERNELL HYDRAULICS
Address:	8821 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Active
NPDES Number:	CAS000002

BERNELL HYDRAULICS INC (Continued) **1001967580**

Region:	8
Agency Number:	0
Regulatory Measure ID:	551866
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	8 36C398335
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	08/16/2022
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	PO Box 417
Discharge Name:	Bernell Hydraulics Inc
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

CIWQS:

Name:	BERNELL HYDRAULICS
Address:	8821 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	Bernell Hydraulics Inc
Agency Address:	PO Box 417, Rancho Cucamonga, CA 91739
Place/Project Type:	Construction - Industrial
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 36C398335
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	08/16/2022
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.09323
Longitude:	-117.5233

CERS:

Name:	BERNELL HYDRAULICS
Address:	8821 ETIWANDA AVENUE

BERNELL HYDRAULICS INC (Continued) **1001967580**

City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 619438
CERS ID: 906079
CERS Description: Construction Storm Water

HWTS:
Name: BERNELL HYDRAULICS INC
Address: 8821 ETIWANDA AVE
Address 2: Not reported
City,State,Zip: RANCHO CUCAMONGA, CA 91739
EPA ID: CAR000070748
Inactive Date: 06/30/2009
Create Date: 03/06/2003
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 8810 ETIWANDA AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: RANCHO CUCAMONGA, CA 917390417
Owner Name: TERRANCE B JONES
Owner Address: 8810 ETIWANDA AVE
Owner Address 2: Not reported
Owner City,State,Zip: RANCHO CUCAMONGA, CA 917390417
Owner Phone: Not reported
Owner Fax: Not reported
Contact Name: RHONDA GARNESS
Contact Address: 8810 ETIWANDA AVE
Contact Address 2: Not reported
City,State,Zip: RANCHO CUCAMONGA, CA 917390417
Contact Phone: Not reported
Contact Fax: Not reported
Facility Status: Inactive
Facility Type: PERMANENT
Category: FEDERAL
Latitude: 34.092697
Longitude: -117.523807

NAICS:
EPA ID: CAR000070748
Create Date: 2003-10-23 13:13:52.000
NAICS Code: 42193
NAICS Description: Recyclable Material Wholesalers
Issued EPA ID Date: 2003-03-06 15:09:13.59300
Inactive Date: 2009-06-30 00:00:00
Facility Name: Bernell Hydraulics Inc
Facility Address: 8821 Etiwanda Ave
Facility Address 2: Not reported
Facility City: Rancho Cucamonga
Facility County: Not reported
Facility State: CA
Facility Zip: 917390417

30
NW
< 1/8
0.103 mi.
543 ft.

Relative:
Higher

Actual:
1136 ft.

TAMCO
12459 B ARROW ROUTE
RANCHO CUCAMONGA, CA 91739

Database(s):
SEMS-ARCHIVE
RCRA-SQG
ENVIROSTOR
LUST
CPS-SLIC
UST
VCP
CERS HAZ WASTE
SWEEPS UST
HIST UST
EPA WATCH LIST
Cortese
HIST CORTESE
San Bern. Co. Permit
CERS

EDR ID Number: **1000174704**
EPA ID Number: **CAD982361404**

SEMS Archive:

Site ID:	0904936
EPA ID:	CAD982361404
Name:	TAMCO
Address:	12459 ARROW HIGHWAY
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Cong District:	36
FIPS Code:	06071
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0904936
EPA ID:	CAD982361404
Site Name:	TAMCO
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1994-06-21 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0904936
EPA ID:	CAD982361404
Site Name:	TAMCO
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1994-06-21 04:00:00
Qual:	N
Current Action Lead:	EPA Perf

TAMCO (Continued) **1000174704**

Region:	09
Site ID:	0904936
EPA ID:	CAD982361404
Site Name:	TAMCO
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1993-03-29 05:00:00
Finish Date:	1993-03-29 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

RCRA Listings:

Date Form Received by Agency:	20220620
Handler Name:	Btc Iii Arrow Route Cc Lp
Handler Address:	ARROW ROUTE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739-0000
EPA ID:	CAD982361404
Contact Name:	CHRIS SANFORD
Contact Address:	MACARTHUR CT STE 625
Contact City,State,Zip:	NEWPORT BEACH, CA 92660
Contact Telephone:	949-892-4811
Contact Fax:	Not reported
Contact Email:	CSANFORD@ARESMGMT.COM
Contact Title:	PRINCIPAL
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	MACARTHUR CT STE 625
Mailing City,State,Zip:	NEWPORT BEACH, CA 92660
Owner Name:	Btc Iii Arrow Route Cc Lp
Owner Type:	Private
Operator Name:	Btc Iii Arrow Route Cc Lp
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No

TAMCO (Continued) **1000174704**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220727
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

TAMCO (Continued) **1000174704**

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste
Waste Code:	D002
Waste Description:	Corrosive Waste
Waste Code:	D004
Waste Description:	Arsenic
Waste Code:	D005
Waste Description:	Barium
Waste Code:	D006
Waste Description:	Cadmium
Waste Code:	D007
Waste Description:	Chromium
Waste Code:	D008
Waste Description:	Lead
Waste Code:	D035
Waste Description:	Methyl Ethyl Ketone
Waste Code:	F003
Waste Description:	The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code:	F005
Waste Description:	The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.
Waste Code:	K061
Waste Description:	Emission Control Dust/Sludge From The Primary Production Of Steel In Electric Furnaces.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	TAMCO

TAMCO (Continued) **1000174704**

Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 325
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	7835
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JESSE.WHITE@GERDAU.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 325
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	7835
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JESSE.WHITE@GERDAU.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 325
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 325
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	7835
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JESSE.WHITE@GERDAU.COM

TAMCO (Continued) **1000174704**

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	P O BOX 325
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: JACK D. STUTZ	
Legal Status:	Private
Date Became Current:	19970106
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19970802
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 325
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported

TAMCO (Continued) **1000174704**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: 19740802
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 325
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: 909-899-0660
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: 19740802
Date Ended Current: Not reported
Owner/Operator Address: 12459-B ARROW ROUTE
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739-0000
Owner/Operator Telephone: 909-899-0660
Owner/Operator Telephone Ext: 7835
Owner/Operator Fax: Not reported
Owner/Operator Email: JESSE.WHITE@GERDAU.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: BTC III ARROW ROUTE CC LP
Legal Status: Private
Date Became Current: 20211228
Date Ended Current: Not reported
Owner/Operator Address: 4675 MACARTHUR CT STE 625
Owner/Operator City,State,Zip: NEWPORT BEACH, CA 92660
Owner/Operator Telephone: 303-953-3847
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: JLINKER@ARESMGMT.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: JACK S. STUTZ
Legal Status: Private
Date Became Current: 19970106
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: 19740802
Date Ended Current: Not reported
Owner/Operator Address: Not reported

TAMCO (Continued) **1000174704**

Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: 19740802
Date Ended Current: Not reported
Owner/Operator Address: 12459-B ARROW ROUTE
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739-0000
Owner/Operator Telephone: 909-899-0660
Owner/Operator Telephone Ext: 7835
Owner/Operator Fax: Not reported
Owner/Operator Email: JESSE.WHITE@GERDAU.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: 19740802
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 325
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: 909-899-0660
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: 19740802
Date Ended Current: Not reported
Owner/Operator Address: 12459-B ARROW ROUTE
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739-0000
Owner/Operator Telephone: 909-899-0660
Owner/Operator Telephone Ext: 7835
Owner/Operator Fax: Not reported
Owner/Operator Email: JESSE.WHITE@GERDAU.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: 19740802
Date Ended Current: Not reported
Owner/Operator Address: P.O. BOX 325
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: 909-899-0660
Owner/Operator Telephone Ext: 7835
Owner/Operator Fax: Not reported
Owner/Operator Email: JESSE.WHITE@GERDAU.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: TAMCO
Legal Status: Private

TAMCO (Continued) **1000174704**

Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	12459-B ARROW ROUTE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739-0000
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	7835
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JESSE.WHITE@GERDAU.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 325
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	19740802
Date Ended Current:	Not reported
Owner/Operator Address:	12459-B ARROW ROUTE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739-0000
Owner/Operator Telephone:	909-899-0660
Owner/Operator Telephone Ext:	7835
Owner/Operator Fax:	Not reported
Owner/Operator Email:	JESSE.WHITE@GERDAU.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: TAMCO	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: JACK D. STUTZ	
Legal Status:	Private
Date Became Current:	19970106
Date Ended Current:	Not reported
Owner/Operator Address:	12459 ARROW HWY STE B
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

TAMCO (Continued) **1000174704**

Owner/Operator Indicator: Owner
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: 19740802
Date Ended Current: Not reported
Owner/Operator Address: P.O. BOX 325
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: 909-899-0660
Owner/Operator Telephone Ext: 7835
Owner/Operator Fax: Not reported
Owner/Operator Email: JESSE.WHITE@GERDAU.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: BTC III ARROW ROUTE CC LP
Legal Status: Private
Date Became Current: 20211228
Date Ended Current: Not reported
Owner/Operator Address: 1200 17TH ST STE 2900
Owner/Operator City,State,Zip: DENVER, CO 80202
Owner/Operator Telephone: 303-953-3847
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: JLINKER@ARESMGMT.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: TAMCO
Legal Status: Private
Date Became Current: 19740802
Date Ended Current: Not reported
Owner/Operator Address: P.O.BOX 325
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JACK STUTZ
Legal Status: Private
Date Became Current: 19970106
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20120223
Handler Name: TAMCO
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

TAMCO (Continued) **1000174704**

Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20140301
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20160229
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20180824
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	Yes
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	20200224
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	Yes
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

TAMCO (Continued) **1000174704**

Receive Date:	20220228
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	Yes
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20220426
Handler Name: TAMCO	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	19960901
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19831005
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19831005
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No

TAMCO (Continued) **1000174704**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19980205
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20110427
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20200303
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	Yes
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	20220620
Handler Name: BTC III ARROW ROUTE CC LP	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

TAMCO (Continued) **1000174704**

Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No
Receive Date:	19920228
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	19940331
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	19960320
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	19990415
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	20001012
Handler Name: TAMCO	

TAMCO (Continued) **1000174704**

Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20020222
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20040220
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20060330
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20080215
Handler Name: TAMCO	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

TAMCO (Continued) **1000174704**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 33111
NAICS Description: IRON AND STEEL MILLS AND FERROALLOY MANUFACTURING

NAICS Code: 331110
NAICS Description: IRON AND STEEL MILLS AND FERROALLOY MANUFACTURING

NAICS Code: 331111
NAICS Description: IRON AND STEEL MILLS

NAICS Code: 331221
NAICS Description: ROLLED STEEL SHAPE MANUFACTURING

NAICS Code: 531390
NAICS Description: OTHER ACTIVITIES RELATED TO REAL ESTATE

Has the Facility Received Notices of Violations:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20060605
Actual Return to Compliance Date: 20060605
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 501
Date of Enforcement Action: 20060605
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported

TAMCO (Continued) **1000174704**

Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20050120
Actual Return to Compliance Date:	20070502
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20060927
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	55860
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported

TAMCO (Continued) **1000174704**

Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported

TAMCO (Continued) **1000174704**

Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20031016
Actual Return to Compliance Date:	20070502
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20031016
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported

TAMCO (Continued) **1000174704**

Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20031016
Actual Return to Compliance Date: 20070502
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20060927
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 55860

TAMCO (Continued) **1000174704**

Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20031016
Actual Return to Compliance Date: 20070502
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 503
Date of Enforcement Action: 20050725
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported

TAMCO (Continued) **1000174704**

Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20050120
Actual Return to Compliance Date: 20070502
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20050727
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported

TAMCO (Continued) **1000174704**

Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20050120
Actual Return to Compliance Date:	20070502
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20070502
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	44500
Paid Amount:	Not reported
Final Count:	1
Final Amount:	49500
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported

TAMCO (Continued) **1000174704**

Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20050120
Actual Return to Compliance Date: 20070502
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 502
Date of Enforcement Action: 20050727
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported

TAMCO (Continued) **1000174704**

Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Unknown
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported

TAMCO (Continued) **1000174704**

Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20031016
Actual Return to Compliance Date:	20070502
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20070502
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported

TAMCO (Continued) **1000174704**

Final Monetary Amount: 44500
Paid Amount: Not reported
Final Count: 1
Final Amount: 49500

Evaluation Action Summary:
Evaluation Date: 20060605
Evaluation Responsible Agency: Local
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20060605
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20050120
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20070502
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20070502
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20131202
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

TAMCO (Continued) **1000174704**

Evaluation Date:	20031016
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOLLOW-UP INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070502
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20120321
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20031016
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOLLOW-UP INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070502
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20031016
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOLLOW-UP INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070502
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20031016
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported

TAMCO (Continued) **1000174704**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20050120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070502
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20050120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070502
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20011127
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20050120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070502
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

TAMCO (Continued) **1000174704**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030806
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180615
Evaluation Responsible Agency:	EPA
Found Violation:	Undetermined
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	AKENN
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20031016
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FOLLOW-UP INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20070502
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ENVIROSTOR:

Name:	AMERON/STEEL & WIRE PROPERTY
Address:	12459 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739
Facility ID:	36340064
Status:	No Further Action
Status Date:	04/23/1996
Site Code:	Not reported
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC

TAMCO (Continued) **1000174704**

Program Manager:	Not reported
Supervisor:	Allan Plaza
Division Branch:	Cleanup Chatsworth
Assembly:	50
Senate:	29
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.09408
Longitude:	-117.5303
APN:	22913119
Past Use:	RECYCLING - SCRAP METAL, VEHICLE MAINTENANCE
Potential COC:	* HYDROCARBON SOLVENTS * Metals - Other Inorganic Solid Waste * UNSPECIFIED SOLVENT MIXTURES * OTHER INORGANIC SOLID WASTE Lead Cadmium and compounds
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	AMERON STEEL & WIRE PROPERTY
Alias Type:	Alternate Name
Alias Name:	INDUSTRIAL WIRE PRODUCTS, INC.
Alias Type:	Alternate Name
Alias Name:	IWP
Alias Type:	Alternate Name
Alias Name:	022913119
Alias Type:	APN
Alias Name:	110033615960
Alias Type:	EPA (FRS #)
Alias Name:	400526
Alias Type:	Site Code - Historical
Alias Name:	36340064
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:	06/11/1997
Comments:	DTSC considered the provided information as a PEA Equivalent Reports and issued a No Further Action Determination at the site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	06/08/1995
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	06/08/1995
Comments:	Due to evidence of contamination, DTSC recommends a PEA. A Voluntary Cleanup Agreement has been signed between DTSC and RP to remediate the site. The purpose of the agreement is for DTSC to provide an oversight for a Removal Action Workplan for the site based on health-based risk assessment (HRA).
Future Area Name:	Not reported

TAMCO (Continued) **1000174704**

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

LUST REG 8:

Name:	TAMCO
Address:	12459 ARROW HWY
City:	RANCHO CUCAMONGA
Region:	8
County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083602379T
Local Case Num:	93063
Case Type:	Soil only
Substance:	Gasoline
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Cross Street:	Not reported
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0607100309
How Stopped Date:	11/4/1993
Enter Date:	1/14/1994
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	11/4/1993
Enforcement Date:	Not reported
Close Date:	5/11/1994
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	1/14/1994
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Yes
Oversite Program:	LUST
Latitude:	34.1007265
Longitude:	-117.5235672
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported

TAMCO (Continued) **1000174704**

MTBE Fuel:	1
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
MTBE Class:	*
Staff:	CAB
Staff Initials:	LH6
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

SLIC REG 8:

Name:	TAMCO
Address:	12459 ARROW HIGHWAY
City:	ETIWANDA
Type:	Soil
Facility Status:	Closed
Staff:	XXX
Substance:	LEAD
Lead Agency:	Regional Board
Location Code:	Not reported
Thomas Bros Code:	Not reported

CPS-SLIC:

Name:	TAMCO
Address:	12459 ARROW HIGHWAY
City,State,Zip:	ETIWANDA, CA 91739
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/07/1990
Global Id:	SLT8R1914124
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	34.1264107928994
Longitude:	-117.521541508876
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	SLT8R191
File Location:	Regional Board
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
EPA Region:	9
Coordinate Source:	Manual Entry on Screens
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	Not reported
Leak Reported Date:	Not reported
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported

TAMCO (Continued) **1000174704**

Stop Description:	Not reported
No Further Action Date:	11/07/1990
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	56-60%
CA Enviroscreen 4 Score:	45-50%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

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

UST:

Name:	TAMCO
Address:	12459 ARROW HWY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	86008874
Permitting Agency:	SAN BERNARDINO COUNTY
CERSID:	Not reported
Latitude:	34.09906
Longitude:	-117.53427
Owner type:	Not reported
Facility type:	Not reported
Num of inuse ust:	Not reported
Num of closed ust:	Not reported
Num of oos ust:	Not reported
Epa region:	Not reported
Tribal lands:	Not reported
Tank owner name:	Not reported
Tank owner mailing address:	Not reported
Tank owner mailing city:	Not reported
Tank owner mailing zip:	Not reported
Tank owner mailing state:	Not reported
Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported

TAMCO (Continued) **1000174704**

Tank ball float: Not reported
Tank spill bucket: Not reported

VCP:
Name: AMERON/STEEL & WIRE PROPERTY
Address: 12459 ARROW ROUTE
City,State,Zip: ETIWANDA, CA 91739
Facility ID: 36340064
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: Not reported
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Not reported
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Site Code: Not reported
Assembly: 50
Senate: 29
Special Programs Code: Voluntary Agreement - Standard Voluntary Agreement
Status: No Further Action
Status Date: 04/23/1996
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.09408 / -117.5303
APN: 22913119
Past Use: RECYCLING - SCRAP METAL, VEHICLE MAINTENANCE
Potential COC: 10009, 10034, 10198, 20011, 30013, 30108
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: AMERON STEEL & WIRE PROPERTY
Alias Type: Alternate Name
Alias Name: INDUSTRIAL WIRE PRODUCTS, INC.
Alias Type: Alternate Name
Alias Name: IWP
Alias Type: Alternate Name
Alias Name: 022913119
Alias Type: APN
Alias Name: 110033615960
Alias Type: EPA (FRS #)
Alias Name: 400526
Alias Type: Site Code - Historical
Alias Name: 36340064
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: 06/11/1997
Comments: DTSC considered the provided information as a PEA Equivalent Reports and issued a No Further Action Determination at the site.

Completed Area Name: PROJECT WIDE

TAMCO (Continued) **1000174704**

Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/08/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 06/08/1995
Comments: Due to evidence of contamination, DTSC recommends a PEA. A Voluntary Cleanup Agreement has been signed between DTSC and RP to remediate the site. The purpose of the agreement is for DTSC to provide an oversight for a Removal Action Workplan for the site based on health-based risk assessment (HRA).

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

CERS HAZ WASTE:
Name: TI WIRE
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 404054
CERS ID: 10040527
CERS Description: Hazardous Waste Generator

Name: TI WIRE
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 404054
CERS ID: 10040527
CERS Description: RCRA LQ HW Generator

SWEEPS UST:
Name: TAMCO
Address: 12459 ARROW HWY
City: ETIWANDA
Status: Active
Comp Number: 8874
Number: 9
Board Of Equalization: 44-020613
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008874-000005
Tank Status: A
Capacity: 10000
Active Date: 08-29-88

TAMCO (Continued) **1000174704**

Tank Use: PETROLEUM
STG: P
Content: DIESEL
Number Of Tanks: 2

Name: TAMCO
Address: 12459 ARROW HWY
City: ETIWANDA
Status: Active
Comp Number: 8874
Number: 9
Board Of Equalization: 44-020613
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008874-000006
Tank Status: A
Capacity: 2000
Active Date: 08-29-88
Tank Use: PETROLEUM
STG: P
Content: REGULAR UNLE
Number Of Tanks: Not reported

Name: TAMCO
Address: 12459 ARROW HWY
City: ETIWANDA
Status: Not reported
Comp Number: 8874
Number: Not reported
Board Of Equalization: 44-020613
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008874-000001
Tank Status: Not reported
Capacity: 50000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 4

Name: TAMCO
Address: 12459 ARROW HWY
City: ETIWANDA
Status: Not reported
Comp Number: 8874
Number: Not reported
Board Of Equalization: 44-020613
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008874-000002

TAMCO (Continued) **1000174704**

Tank Status: Not reported
Capacity: 50000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: FUEL OIL
Number Of Tanks: Not reported

Name: TAMCO
Address: 12459 ARROW HWY
City: ETIWANDA
Status: Not reported
Comp Number: 8874
Number: Not reported
Board Of Equalization: 44-020613
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008874-000003
Tank Status: Not reported
Capacity: 50000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: FUEL OIL
Number Of Tanks: Not reported

Name: TAMCO
Address: 12459 ARROW HWY
City: ETIWANDA
Status: Not reported
Comp Number: 8874
Number: Not reported
Board Of Equalization: 44-020613
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008874-000004
Tank Status: Not reported
Capacity: 50000
Active Date: Not reported
Tank Use: OIL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

HIST UST:
Name: TAMCO
Address: 12459 ARROW HWY
City,State,Zip: ETIWANDA, CA 91739
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000015449
Facility Type: Other

TAMCO (Continued) **1000174704**

Other Type: STEEL MILL
Contact Name: Not reported
Telephone: 7149872521
Owner Name: TAMCO
Owner Address: 12459 ARROW HIGHWAY
Owner City,St,Zip: ETIWANDA, CA 91739
Total Tanks: 0004

Tank Num: 001
Container Num: 004
Year Installed: 1975
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, None

Tank Num: 002
Container Num: 003
Year Installed: 1975
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, None

Tank Num: 003
Container Num: 002
Year Installed: 1975
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, None

Tank Num: 004
Container Num: 001
Year Installed: 1975
Tank Capacity: 00050000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, None

EPA WATCH LIST:
Facility ID: CAD982361404
Program: RCRA Facilities
List date: December 2012 Watch List

Facility ID: CAD982361404
Program: RCRA Facilities
List date: July 2013 Watch List

Facility ID: CAD982361404
Program: RCRA Facilities
List date: June 2013 RCRA Watch List

TAMCO (Continued) **1000174704**

Facility ID: CAD982361404
Program: RCRA Facilities
List date: April 2013 RCRA Watch List

Facility ID: CAD982361404
Program: RCRA Facilities
List date: March 2013 RCRA Watch List

Facility ID: CAD982361404
Program: RCRA Facilities
List date: May 2013 RCRA Watch List

Facility ID: CAD982361404
Program: RCRA Facilities
List date: August 2013 Watch List

CORTESE:
Name: TAMCO
Address: 12459 ARROW HWY
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607100309
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: TAMCO
edr_fadd1: 12459 ARROW
City,State,Zip: ETIWANDA, CA 91769
Region: CORTESE
Facility County Code: 36
Reg By: LTNKA
Reg Id: 083602379T

San Bern. Co. Permit:
Name: TI WIRE
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO

TAMCO (Continued) **1000174704**

Facility ID: FA0003904
Owner: TREE ISLAND INDUSTRIES LTD
Permit Number: PT0004840
Permit Category: RCRA LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 05/31/2023

Name: TI WIRE
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003904
Owner: TREE ISLAND INDUSTRIES LTD
Permit Number: PT0004839
Permit Category: HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 05/31/2023

Name: TI WIRE
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003904
Owner: TREE ISLAND INDUSTRIES LTD
Permit Number: PT0036816
Permit Category: RCRA LARGE QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 05/31/2018

Name: TI WIRE
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003904
Owner: TREE ISLAND INDUSTRIES LTD
Permit Number: PT0020082
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 05/31/2014

Name: TUBE CITY IMS
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0005052
Owner: TUBE CITY IMS
Permit Number: PT0007227
Permit Category: HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 11/30/2012

Name: TUBE CITY IMS
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0005052
Owner: TUBE CITY IMS

TAMCO (Continued) **1000174704**

Permit Number: PT0024299
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: INACTIVE
Expiration Date: 11/30/2012

Name: TUBE CITY IMS
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0005052
Owner: TUBE CITY IMS
Permit Number: PT0007226
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 11/30/2012

Name: TI WIRE
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003904
Owner: TREE ISLAND INDUSTRIES LTD
Permit Number: PT0004837
Permit Category: ABOVEGROUND PETROLEUM STORAGE (AST) (SPCC)
Facility Status: INACTIVE
Expiration Date: 05/31/2008

CERS:
Name: TI WIRE
Address: 12459 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 404054
CERS ID: 10040527
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 404054
Site Name: TI WIRE
Violation Date: 05-08-2017
Citation: 22 CCR 31 67100.8 - California Code of Regulations, Title 22, Chapter 31, Section(s) 67100.8
Violation Description: Failure of a generator to conduct, when required, a source reduction evaluation review and plan every four years, and/or failure of the review and plan to contain all required information.
Violation Notes: Returned to compliance on 07/17/2017. SB 14 not filed by this facility.
Violation Division: San Bernardino County Fire Department
Violation Program: HWLQG
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department

TAMCO (Continued) **1000174704**

Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-08-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-26-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-08-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS,

Coordinates:
Site ID: 404054
Facility Name: TI WIRE
Env Int Type Code: HMBP
Program ID: 10040527
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.099054
Longitude: -117.540866

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Eric Jensen
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Eric Jensen
Entity Title: EH&S Compliance Manager
Affiliation Address: Not reported
Affiliation City: Not reported

TAMCO (Continued) **1000174704**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	KRISH SINGH
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 595-0439,
Affiliation Type Desc:	Parent Corporation
Entity Name:	TREE ISLAND WIRE USA, INC.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	TREE ISLAND INDUSTRIES LTD
Entity Title:	Not reported
Affiliation Address:	3933 BOUNDARY RD
Affiliation City:	RICHMOND
Affiliation State:	BC
Affiliation Country:	Canada
Affiliation Zip:	6V61TB
Affiliation Phone:	(800) 663-8757,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Environmental Contact
Entity Name:	ERIC JENSEN
Entity Title:	Not reported
Affiliation Address:	5080 HALLMARK PKWY
Affiliation City:	SAN BERNARDINO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92407
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address

TAMCO (Continued) **1000174704**

Entity Title:	Not reported
Affiliation Address:	5080 HALLMARK PKWY
Affiliation City:	SAN BERNARDINO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92407
Affiliation Phone:	,

Name:	TAMCO
Address:	12459 ARROW HIGHWAY
City,State,Zip:	ETIWANDA, CA 91739
Site ID:	688976
CERS ID:	SLT8R1914124
CERS Description:	Cleanup Program Site

F31 **KAISER STEEL CORP** **CA FID UST** **S101619268**
SSE **9400 ETIWANDA AVE** **N/A**
1/8-1/4 **FONTANA, CA 92335**
0.135 mi.
715 ft. **Site 1 of 3 in cluster F**

Relative: **Lower**

Actual: **1095 ft.**

CA FID UST:

Facility ID:	36008211
Regulated By:	UTNKI
Regulated ID:	00036265
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	P O BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	FONTANA 92335
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

F32 **KAISER STEEL CORPORATION** **SWEEPS UST** **S101591386**
SSE **9401 ETIWANDA AVE** **CA FID UST** **N/A**
1/8-1/4 **FONTANA, CA 92335**
0.135 mi.
715 ft. **Site 2 of 3 in cluster F**

Relative: **Lower**

Actual: **1095 ft.**

SWEEPS UST:

Name:	KAISER STEEL CORPORATION
Address:	9401 ETIWANDA AVE
City:	FONTANA
Status:	Not reported
Comp Number:	43365
Number:	Not reported
Board Of Equalization:	44-021032
Referral Date:	Not reported

KAISER STEEL CORPORATION (Continued) **S101591386**

Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-043365-000005
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: UNKNOWN
STG: PRODUCT
Content: Not reported
Number Of Tanks: 20

Name: KAISER STEEL CORPORATION
Address: 9401 ETIWANDA AVE
City: FONTANA
Status: Not reported
Comp Number: 43365
Number: Not reported
Board Of Equalization: 44-021032
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-043365-000006
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: KAISER STEEL CORPORATION
Address: 9401 ETIWANDA AVE
City: FONTANA
Status: Not reported
Comp Number: 43365
Number: Not reported
Board Of Equalization: 44-021032
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-043365-000007
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: KAISER STEEL CORPORATION
Address: 9401 ETIWANDA AVE
City: FONTANA
Status: Not reported
Comp Number: 43365

KAISER STEEL CORPORATION (Continued) **S101591386**

Number: Not reported
Board Of Equalization: 44-021032
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-043365-000008
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: KAISER STEEL CORPORATION
Address: 9401 ETIWANDA AVE
City: FONTANA
Status: Not reported
Comp Number: 43365
Number: Not reported
Board Of Equalization: 44-021032
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-043365-000009
Tank Status: Not reported
Capacity: 20000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: KAISER STEEL CORPORATION
Address: 9401 ETIWANDA AVE
City: FONTANA
Status: Not reported
Comp Number: 43365
Number: Not reported
Board Of Equalization: 44-021032
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-043365-000010
Tank Status: Not reported
Capacity: 20000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: KAISER STEEL CORPORATION
Address: 9401 ETIWANDA AVE

KAISER STEEL CORPORATION (Continued) **S101591386**

City: FONTANA
Status: Not reported
Comp Number: 43365
Number: Not reported
Board Of Equalization: 44-021032
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-043365-000011
Tank Status: Not reported
Capacity: 20000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: KAISER STEEL CORPORATION
Address: 9401 ETIWANDA AVE
City: FONTANA
Status: Not reported
Comp Number: 43365
Number: Not reported
Board Of Equalization: 44-021032
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-043365-000012
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: KAISER STEEL CORPORATION
Address: 9401 ETIWANDA AVE
City: FONTANA
Status: Not reported
Comp Number: 43365
Number: Not reported
Board Of Equalization: 44-021032
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-043365-000013
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

KAISER STEEL CORPORATION (Continued) **S101591386**

Name:	KAISER STEEL CORPORATION
Address:	9401 ETIWANDA AVE
City:	FONTANA
Status:	Not reported
Comp Number:	43365
Number:	Not reported
Board Of Equalization:	44-021032
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	36-000-043365-000014
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	EMPTY
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Name:	KAISER STEEL CORPORATION
Address:	9401 ETIWANDA AVE
City:	FONTANA
Status:	Not reported
Comp Number:	43365
Number:	Not reported
Board Of Equalization:	44-021032
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	36-000-043365-000015
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	EMPTY
STG:	PRODUCT
Content:	Not reported
Number Of Tanks:	Not reported

Name:	KAISER STEEL CORPORATION
Address:	9401 ETIWANDA AVE
City:	FONTANA
Status:	Not reported
Comp Number:	43365
Number:	Not reported
Board Of Equalization:	44-021032
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	36-000-043365-000016
Tank Status:	Not reported
Capacity:	10000
Active Date:	Not reported
Tank Use:	EMPTY
STG:	PRODUCT

KAISER STEEL CORPORATION (Continued) **S101591386**

Content: Not reported
Number Of Tanks: Not reported

Name: KAISER STEEL CORPORATION
Address: 9401 ETIWANDA AVE
City: FONTANA
Status: Not reported
Comp Number: 43365
Number: Not reported
Board Of Equalization: 44-021032
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-043365-000017
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: KAISER STEEL CORPORATION
Address: 9401 ETIWANDA AVE
City: FONTANA
Status: Not reported
Comp Number: 43365
Number: Not reported
Board Of Equalization: 44-021032
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-043365-000018
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: KAISER STEEL CORPORATION
Address: 9401 ETIWANDA AVE
City: FONTANA
Status: Not reported
Comp Number: 43365
Number: Not reported
Board Of Equalization: 44-021032
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-043365-000019
Tank Status: Not reported
Capacity: 10000

KAISER STEEL CORPORATION (Continued) **S101591386**

Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: KAISER STEEL CORPORATION
Address: 9401 ETIWANDA AVE
City: FONTANA
Status: Not reported
Comp Number: 43365
Number: Not reported
Board Of Equalization: 44-021032
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-043365-000020
Tank Status: Not reported
Capacity: 20000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: KAISER STEEL CORPORATION
Address: 9401 ETIWANDA AVE
City: FONTANA
Status: Not reported
Comp Number: 43365
Number: Not reported
Board Of Equalization: 44-021032
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-043365-000021
Tank Status: Not reported
Capacity: 20000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: KAISER STEEL CORPORATION
Address: 9401 ETIWANDA AVE
City: FONTANA
Status: Not reported
Comp Number: 43365
Number: Not reported
Board Of Equalization: 44-021032
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported

KAISER STEEL CORPORATION (Continued) **S101591386**

SWRCB Tank Id: 36-000-043365-000022
Tank Status: Not reported
Capacity: 20000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: KAISER STEEL CORPORATION
Address: 9401 ETIWANDA AVE
City: FONTANA
Status: Not reported
Comp Number: 43365
Number: Not reported
Board Of Equalization: 44-021032
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-043365-000023
Tank Status: Not reported
Capacity: 5000
Active Date: Not reported
Tank Use: EMPTY
STG: PRODUCT
Content: Not reported
Number Of Tanks: Not reported

Name: KAISER STEEL CORPORATION
Address: 9401 ETIWANDA AVE
City: FONTANA
Status: Not reported
Comp Number: 43365
Number: Not reported
Board Of Equalization: 44-021032
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-043365-000024
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: UNKNOWN
STG: WASTE
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 36006046
Regulated By: UTNKI
Regulated ID: CAD082749
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7143577200
Mail To: Not reported

KAISER STEEL CORPORATION (Continued) **S101591386**

Mailing Address: 8300 UTICAY AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: FONTANA 92335
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

F33 **NEXTEL COMMUNICATIONS, INC** **San Bern. Co. Permit** **S106718437**
SSE **ETIWANDA AVE & 6TH ST** **N/A**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.136 mi.
716 ft. **Site 3 of 3 in cluster F**

Relative: San Bern. Co. Permit:
Lower
Actual: Name: NEXTEL COMMUNICATIONS, INC
1095 ft. Address: ETIWANDA AVE & 6TH ST
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0009364
Owner: Sprint
Permit Number: PT0016031
Permit Category: HAZMAT HANDLER - UNSTAFFED REMOTE FACILITY
Facility Status: INACTIVE
Expiration Date: 12/31/2005

G34 **I.E.U.A. PLANT #4** **UST** **U003940078**
SSE **12811 6TH ST** **N/A**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.149 mi.
786 ft. **Site 1 of 4 in cluster G**

Relative: UST:
Lower
Actual: Name: I.E.U.A. PLANT #4
1095 ft. Address: 12811 6TH ST
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Facility ID: 97045697
Permitting Agency: SAN BERNARDINO COUNTY
CERSID: Not reported
Latitude: 34.087238
Longitude: -117.524906
Owner type: Not reported
Facility type: Not reported
Num of inuse ust: Not reported
Num of closed ust: Not reported
Num of oos ust: Not reported
Epa region: Not reported
Tribal lands: Not reported
Tank owner name: Not reported
Tank owner mailing address: Not reported
Tank owner mailing city: Not reported
Tank owner mailing zip: Not reported
Tank owner mailing state: Not reported

I.E.U.A. PLANT #4 (Continued) **U003940078**

Tank operator name:	Not reported
Tank operator mailing address:	Not reported
Tank operator mailing city:	Not reported
Tank operator mailing zip:	Not reported
Tank operator mailing state:	Not reported
Tankidnumber:	Not reported
Tank status:	Not reported
Tank configuration:	Not reported
Tank closure date:	Not reported
Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

G35 **IEUA REGIONAL PLANT #4** **AST** **S106175552**
SSE **12811 6TH ST** **CERS HAZ WASTE** **N/A**
1/8-1/4 **RANCHO CUCAMONGA, CA 91729** **CERS TANKS**
0.149 mi. **CHMIRS**
786 ft. **Site 2 of 4 in cluster G** **San Bern. Co. Permit**
CERS

Relative:
Lower

Actual:
1095 ft.

AST:

Name:	IEUA REGIONAL PLANT #4
Address:	12811 6TH ST
City/Zip:	RANCHO CUCAMONGA,91729
Certified Unified Program Agencies:	Not reported
Owner:	INLAND EMPIRE UTILITIES AGENCY
Total Gallons:	Not reported
CERSID:	10040521
Facility ID:	FA0003902
Business Name:	IEUA
Phone:	(909) 993-1600
Fax:	(909) 993-900
Mailing Address:	12811 6TH ST
Mailing Address City:	RANCHO CUCAMONGA
Mailing Address State:	CA
Mailing Address Zip Code:	91729
Operator Name:	MATTHEW MELENDREZ
Operator Phone:	(909) 993-1451
Owner Phone:	(909) 993-1600
Owner Mail Address:	PO BOX 9020
Owner State:	CA
Owner Zip Code:	91709
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported

IEUA REGIONAL PLANT #4 (Continued) **S106175552**

Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: CAL000179044

CERS HAZ WASTE:
Name: IEUA REGIONAL PLANT #4
Address: 12811 6TH ST
City,State,Zip: RANCHO CUCAMONGA, CA 91729
Site ID: 37713
CERS ID: 10040521
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: IEUA REGIONAL PLANT #4
Address: 12811 6TH ST
City,State,Zip: RANCHO CUCAMONGA, CA 91729
Site ID: 37713
CERS ID: 10040521
CERS Description: Aboveground Petroleum Storage

CHMIRS:
Name: Not reported
Address: 12811 6TH STREET
City,State,Zip: RANCHO CUCAMONGA, CA 91729
OES Incident Number: 12-2285
OES notification: 04/17/2012
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No

IEUA REGIONAL PLANT #4 (Continued) **S106175552**

Waterway:	Not reported
Spill Site:	Treatment/Sewage Facility
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1330
Year:	2012
Agency:	Inland Empire Utility Agency
Incident Date:	4/17/2012
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sodium Hypochloride 12%
Quantity Released:	50
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The leak was discovered during rounds at the facility. The substance was leaking from an underground pipe. The caller advised that 5 gallons has seeped to the surface.

San Bern. Co. Permit:

Name:	IEUA REGIONAL PLANT #4
Address:	12811 6TH ST
City,State,Zip:	RANCHO CUCAMONGA, CA 91729
Region:	SAN BERNARDINO
Facility ID:	FA0003902
Owner:	INLAND EMPIRE UTILITIES AGENCY
Permit Number:	PT0024333
Permit Category:	APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status:	ACTIVE
Expiration Date:	09/30/2023

Name:	IEUA REGIONAL PLANT #4
Address:	12811 6TH ST
City,State,Zip:	RANCHO CUCAMONGA, CA 91729
Region:	SAN BERNARDINO
Facility ID:	FA0003902

IEUA REGIONAL PLANT #4 (Continued) **S106175552**

Owner: INLAND EMPIRE UTILITIES AGENCY
Permit Number: PT0009238
Permit Category: HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 09/30/2023

Name: IEUA REGIONAL PLANT #4
Address: 12811 6TH ST
City,State,Zip: RANCHO CUCAMONGA, CA 91729
Region: SAN BERNARDINO
Facility ID: FA0003902
Owner: INLAND EMPIRE UTILITIES AGENCY
Permit Number: PT0027935
Permit Category: LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 09/30/2023

Name: IEUA REGIONAL PLANT #4
Address: 12811 6TH ST
City,State,Zip: RANCHO CUCAMONGA, CA 91729
Region: SAN BERNARDINO
Facility ID: FA0003902
Owner: INLAND EMPIRE UTILITIES AGENCY
Permit Number: PT0010749
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 09/30/2005

CERS:
Name: IEUA REGIONAL PLANT #4
Address: 12811 6TH ST
City,State,Zip: RANCHO CUCAMONGA, CA 91729
Site ID: 37713
CERS ID: 10040521
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 37713
Site Name: IEUA REGIONAL PLANT #4
Violation Date: 10-29-2020
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 10/29/2020. OBSERVATION: The hazardous materials inventory submitted via CERS was missing a chemical location for each material listed on the hazardous materials inventory. Your CERS ID number is 10040521. CORRECTIVE ACTION: Update the hazardous materials inventory via CERS and provide and chemical location for each material listed.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 37713
Site Name: IEUA REGIONAL PLANT #4

IEUA REGIONAL PLANT #4 (Continued) **S106175552**

Violation Date: 09-28-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 10/11/2017. Observed facility added (1) ~2,400 gallon double walled tank of bleach and (2) ~275 gallon totes of bleach. Update the inventory with the increased amount of bleach stored on site. Operator indicated that these were added temporarily due to the construction of a new area for liquid bleach storage. Make necessary updates as the processes of the facility change. Update information electronically via CERS http://cers.calepa.ca.gov
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 37713
Site Name: IEUA REGIONAL PLANT #4
Violation Date: 09-28-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan.
Violation Notes: Returned to compliance on 10/11/2017. SPCC (Spill Prevention Control and Countermeasure) Plan was unavailable for review at the time of inspection. Maintain SPCC Plan on site for review.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP

IEUA REGIONAL PLANT #4 (Continued) **S106175552**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-06-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-28-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-06-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-29-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: TONY ARELLANO
Entity Title: Not reported
Affiliation Address: PO BOX 9020
Affiliation City: CHINO HILLS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91709
Affiliation Phone: ,

IEUA REGIONAL PLANT #4 (Continued) **S106175552**

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12811 6TH ST
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91729
Affiliation Phone:	,

Affiliation Type Desc:	Operator
Entity Name:	Scott Lening
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 993-1719,

Affiliation Type Desc:	Document Preparer
Entity Name:	Ernie Rodelo
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Identification Signer
Entity Name:	JEFF ZIEGENBEIN
Entity Title:	ACTING DIRECTOR OF OPERATIONS AND MAINTENANCE
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Affiliation Type Desc:	Legal Owner
Entity Name:	Inland Empire Utilities Agency
Entity Title:	Not reported
Affiliation Address:	PO BOX 9020
Affiliation City:	CHINO HILLS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91709
Affiliation Phone:	(909) 993-1600,

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported

IEUA REGIONAL PLANT #4 (Continued) **S106175552**

Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Parent Corporation
Entity Name:	IEUA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

G36 **INLAND EMPIRE UTIL AGCY - RP-4** **RCRA NonGen / NLR** **1024796744**
SSE **12811 6TH ST** **CAL000179044**
1/8-1/4 **RANCHO CUCAMONGA, CA 91730**
0.149 mi.
786 ft. **Site 3 of 4 in cluster G**

Relative: **Lower**

Actual: **1095 ft.**

RCRA Listings:

Date Form Received by Agency:	19970311
Handler Name:	Inland Empire Util Agcy - Rp-4
Handler Address:	12811 6TH ST
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91730-0000
EPA ID:	CAL000179044
Contact Name:	CHARLIE L BATONGMALAQUE
Contact Address:	6075 KIMBALL AVENUE
Contact City,State,Zip:	CHINO, CA 91708
Contact Telephone:	909-993-1883
Contact Fax:	909-947-1847
Contact Email:	CBATON@IEUA.ORG
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 9020
Mailing City,State,Zip:	CHINO HILLS, CA 91709-0902
Owner Name:	Inland Empire Utility Agency
Owner Type:	Other
Operator Name:	Charlie L Batongmalaque
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No

INLAND EMPIRE UTIL AGCY - RP-4 (Continued) **1024796744**

Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	INLAND EMPIRE UTILITY AGENCY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6075 KIMBALL AVENUE
Owner/Operator City,State,Zip:	CHINO, CA 91708-0000
Owner/Operator Telephone:	909-993-1883
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CHARLIE L BATONGMALAQUE
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6075 KIMBALL AVENUE
Owner/Operator City,State,Zip:	CHINO, CA 91708
Owner/Operator Telephone:	909-993-1883
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

INLAND EMPIRE UTIL AGCY - RP-4 (Continued) **1024796744**

Historic Generators:
- Receive Date: 19970311
- Handler Name: INLAND EMPIRE UTIL AGCY - RP-4
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 22132
- NAICS Description: SEWAGE TREATMENT FACILITIES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

G37 **IEUA REGIONAL PLANT NO. 4** **PFAS** **S127520366**
SSE **12811 SIXTH STREET** **N/A**
1/8-1/4 **RANCHO CUCAMONGA, CA**
0.149 mi.
786 ft. **Site 4 of 4 in cluster G**

Relative: **Lower**
Actual: **1095 ft.**

PFAS:
- Name: IEUA REGIONAL PLANT NO. 4
- Address: 12811 SIXTH STREET
- City,State,Zip: RANCHO CUCAMONGA, CA
- Envirostor ID: Not reported
- Program Type: Not reported
- Status: Not reported
- Status Date: Not reported
- Enviroscreen Score: Not reported
- Site Code: Not reported
- Global ID: NPD100052335
- Facility Region: SANTA ANA RWQCB (REGION 8)
- Lead Agency: Not reported
- Case worker: Not reported
- Local Agency: Not reported
- Location Case Number: Not reported
- File Location: Not reported
- Potential Contaminants of Concern: Not reported
- Potential Media Affected: Not reported
- Site History: Not reported

- Begin Date: Not reported
- RB Case Number: Not reported
- source_type: All PFAS Chemicals
- Location ID: M-INF 1B

IEUA REGIONAL PLANT NO. 4 (Continued) **S127520366**

Matrix:	Liquid
Chemical:	PFHPSA
Qualifier:	ND
Value:	0
Reporting Limit:	26
Detection Limit:	9.7
Lab Notes:	Not reported
Quarterly Running Annual Average:	0
Units:	NG/L
Date:	11/17/2020
Field Pt Class:	IS
Site Use:	Wastewater Treatment Plants
Site Type:	NPDES
Latitude:	34.08585
Longitude:	-117.52624
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=NPD100052335

Name:	IEUA REGIONAL PLANT NO. 4
Address:	12811 SIXTH STREET
City,State,Zip:	RANCHO CUCAMONGA, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	NPD100052335
Facility Region:	SANTA ANA RWQCB (REGION 8)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported

Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	REC-002
Matrix:	Liquid
Chemical:	PFBSA
Qualifier:	ND
Value:	0
Reporting Limit:	26
Detection Limit:	12
Lab Notes:	Not reported
Quarterly Running Annual Average:	0
Units:	NG/L
Date:	11/17/2020
Field Pt Class:	ES
Site Use:	Wastewater Treatment Plants
Site Type:	NPDES
Latitude:	34.08585
Longitude:	-117.52624
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=NPD100052335

IEUA REGIONAL PLANT NO. 4 (Continued) **S127520366**

Name:	IEUA REGIONAL PLANT NO. 4
Address:	12811 SIXTH STREET
City,State,Zip:	RANCHO CUCAMONGA, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	NPD100052335
Facility Region:	SANTA ANA RWQCB (REGION 8)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	M-INF 1B
Matrix:	Liquid
Chemical:	5:3FTCA
Qualifier:	<
Value:	20
Reporting Limit:	38
Detection Limit:	20
Lab Notes:	Not reported
Quarterly Running Annual Average:	0
Units:	NG/L
Date:	7/7/2021
Field Pt Class:	IS
Site Use:	Wastewater Treatment Plants
Site Type:	NPDES
Latitude:	34.08585
Longitude:	-117.52624
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=NPD100052335
Name:	IEUA REGIONAL PLANT NO. 4
Address:	12811 SIXTH STREET
City,State,Zip:	RANCHO CUCAMONGA, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	NPD100052335
Facility Region:	SANTA ANA RWQCB (REGION 8)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported

IEUA REGIONAL PLANT NO. 4 (Continued) **S127520366**

Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Location ID: M-INF 1B
Matrix: Liquid
Chemical: PFUNDCA
Qualifier: ND
Value: 0
Reporting Limit: 25
Detection Limit: 4.5
Lab Notes: Not reported
Quarterly Running Annual Average: 0
Units: NG/L
Date: 1/19/2021
Field Pt Class: IS
Site Use: Wastewater Treatment Plants
Site Type: NPDES
Latitude: 34.08585
Longitude: -117.52624
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=NPD100052335

Name: IEUA REGIONAL PLANT NO. 4
Address: 12811 SIXTH STREET
City,State,Zip: RANCHO CUCAMONGA, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: NPD100052335
Facility Region: SANTA ANA RWQCB (REGION 8)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Location ID: M-INF 1B
Matrix: Liquid
Chemical: ADONA
Qualifier: ND
Value: 0
Reporting Limit: 51
Detection Limit: 30
Lab Notes: Not reported
Quarterly Running Annual Average: 0

IEUA REGIONAL PLANT NO. 4 (Continued) **S127520366**

Units:	NG/L
Date:	4/13/2021
Field Pt Class:	IS
Site Use:	Wastewater Treatment Plants
Site Type:	NPDES
Latitude:	34.08585
Longitude:	-117.52624
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=NPD100052335

Name:	IEUA REGIONAL PLANT NO. 4
Address:	12811 SIXTH STREET
City,State,Zip:	RANCHO CUCAMONGA, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	NPD100052335
Facility Region:	SANTA ANA RWQCB (REGION 8)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported

Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	REC-002
Matrix:	Liquid
Chemical:	8:2FTS
Qualifier:	ND
Value:	0
Reporting Limit:	26
Detection Limit:	6.6
Lab Notes:	Not reported
Quarterly Running Annual Average:	0
Units:	NG/L
Date:	11/17/2020
Field Pt Class:	ES
Site Use:	Wastewater Treatment Plants
Site Type:	NPDES
Latitude:	34.08585
Longitude:	-117.52624
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=NPD100052335

Name:	IEUA REGIONAL PLANT NO. 4
Address:	12811 SIXTH STREET
City,State,Zip:	RANCHO CUCAMONGA, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported

IEUA REGIONAL PLANT NO. 4 (Continued) **S127520366**

Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	NPD100052335
Facility Region:	SANTA ANA RWQCB (REGION 8)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	REC-002
Matrix:	Liquid
Chemical:	7:3FTCA
Qualifier:	ND
Value:	0
Reporting Limit:	41
Detection Limit:	21
Lab Notes:	Not reported
Quarterly Running Annual Average:	0
Units:	NG/L
Date:	11/17/2020
Field Pt Class:	ES
Site Use:	Wastewater Treatment Plants
Site Type:	NPDES
Latitude:	34.08585
Longitude:	-117.52624
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=NPD100052335
Name:	IEUA REGIONAL PLANT NO. 4
Address:	12811 SIXTH STREET
City,State,Zip:	RANCHO CUCAMONGA, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	NPD100052335
Facility Region:	SANTA ANA RWQCB (REGION 8)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals

IEUA REGIONAL PLANT NO. 4 (Continued) **S127520366**

Location ID:	REC-002
Matrix:	Liquid
Chemical:	PFHA
Qualifier:	ND
Value:	0
Reporting Limit:	25
Detection Limit:	19
Lab Notes:	SN
Quarterly Running Annual Average:	0
Units:	NG/L
Date:	1/19/2021
Field Pt Class:	ES
Site Use:	Wastewater Treatment Plants
Site Type:	NPDES
Latitude:	34.08585
Longitude:	-117.52624
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=NPD100052335

Name:	IEUA REGIONAL PLANT NO. 4
Address:	12811 SIXTH STREET
City,State,Zip:	RANCHO CUCAMONGA, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	NPD100052335
Facility Region:	SANTA ANA RWQCB (REGION 8)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported

Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	REC-002
Matrix:	Liquid
Chemical:	11ClPF3OUDS
Qualifier:	ND
Value:	0
Reporting Limit:	26
Detection Limit:	7.1
Lab Notes:	Not reported
Quarterly Running Annual Average:	0
Units:	NG/L
Date:	11/17/2020
Field Pt Class:	ES
Site Use:	Wastewater Treatment Plants
Site Type:	NPDES
Latitude:	34.08585
Longitude:	-117.52624

IEUA REGIONAL PLANT NO. 4 (Continued) **S127520366**

Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=NPD100052335

Name:	IEUA REGIONAL PLANT NO. 4
Address:	12811 SIXTH STREET
City,State,Zip:	RANCHO CUCAMONGA, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	NPD100052335
Facility Region:	SANTA ANA RWQCB (REGION 8)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported

Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	REC-002
Matrix:	Liquid
Chemical:	NMEFOSAA
Qualifier:	ND
Value:	0
Reporting Limit:	8
Detection Limit:	2.6
Lab Notes:	Not reported
Quarterly Running Annual Average:	0
Units:	NG/L
Date:	4/13/2021
Field Pt Class:	ES
Site Use:	Wastewater Treatment Plants
Site Type:	NPDES
Latitude:	34.08585
Longitude:	-117.52624

Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=NPD100052335

Name:	IEUA REGIONAL PLANT NO. 4
Address:	12811 SIXTH STREET
City,State,Zip:	RANCHO CUCAMONGA, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	NPD100052335
Facility Region:	SANTA ANA RWQCB (REGION 8)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported

IEUA REGIONAL PLANT NO. 4 (Continued) **S127520366**

Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	REC-002
Matrix:	Liquid
Chemical:	3:3FTCA
Qualifier:	ND
Value:	0
Reporting Limit:	5
Detection Limit:	2.3
Lab Notes:	Not reported
Quarterly Running Annual Average:	0
Units:	NG/L
Date:	4/13/2021
Field Pt Class:	ES
Site Use:	Wastewater Treatment Plants
Site Type:	NPDES
Latitude:	34.08585
Longitude:	-117.52624
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=NPD100052335

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

H38 **CHAPARRAL TRUCKING** **RCRA NonGen / NLR** **1000345270**
NE **8729 ETIWANDA** **FINDS** **CAD981438823**
1/8-1/4 **ETIWANDA, CA 91739** **ECHO**
0.159 mi.
840 ft. **Site 1 of 7 in cluster H**

Relative:
Higher

Actual:
1136 ft.

RCRA Listings:

Date Form Received by Agency:	19860915
Handler Name:	Chaparral Trucking
Handler Address:	8729 ETIWANDA
Handler City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAD981438823
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	8729 ETIWANDA
Contact City,State,Zip:	ETIWANDA, CA 91739
Contact Telephone:	714-899-2556
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Ca
State District:	4

CHAPARRAL TRUCKING (Continued) **1000345270**

Mailing Address:	P O BOX 3695
Mailing City,State,Zip:	HUMBLE, TX 77347
Owner Name:	Chaparral Trucking Co
Owner Type:	Private
Operator Name:	Not Required
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: CHAPARRAL TRUCKING CO	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212

CHAPARRAL TRUCKING (Continued) **1000345270**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19860915
Handler Name: CHAPARRAL TRUCKING
Federal Waste Generator Description: Not a generator, verified
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110002705252

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

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

CHAPARRAL TRUCKING (Continued) **1000345270**

ECHO:

Envid:	1000345270
Registry ID:	110002705252
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002705252
Name:	CHAPARRAL TRUCKING
Address:	8729 ETIWANDA
City,State,Zip:	ETIWANDA, CA 91739

H39 **GEORGIA-PACIFIC** **RCRA NonGen / NLR** **1027072998**
NE **8688 ETIWANDA AVENUE** **CAC003144605**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.210 mi.
1108 ft. **Site 2 of 7 in cluster H**

Relative:
Higher

Actual:
1142 ft.

RCRA Listings:

Date Form Received by Agency:	20211021
Handler Name:	Georgia-Pacific
Handler Address:	8688 ETIWANDA AVENUE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAC003144605
Contact Name:	JIM STAUFFER
Contact Address:	8688 ETIWANDA AVENUE
Contact City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact Telephone:	678-428-2845
Contact Fax:	Not reported
Contact Email:	JAMES.STAUFFER@GAPAC.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	8688 ETIWANDA AVENUE
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner Name:	Georgia-Pacific Williams
Owner Type:	Other
Operator Name:	Jim Stauffer
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported

GEORGIA-PACIFIC (Continued) **1027072998**

Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20211021
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: GEORGIA-PACIFIC WILLIAMS	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8688 ETIWANDA AVENUE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	678-428-2845
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: JIM STAUFFER	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8688 ETIWANDA AVENUE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	678-428-2845
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20211021
Handler Name: GEORGIA-PACIFIC	
Federal Waste Generator Description:	Not a generator, verified

GEORGIA-PACIFIC (Continued) **1027072998**

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 49311
NAICS Description: GENERAL WAREHOUSING AND STORAGE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H40 **GEORGIA PACIFIC** **RCRA NonGen / NLR** **1025849314**
NE **8688 ETIWANDA AVE** **CAC003029377**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.210 mi.
1108 ft. **Site 3 of 7 in cluster H**

Relative:
Higher

Actual:
1142 ft.

RCRA Listings:
Date Form Received by Agency: 20190814
Handler Name: Georgia Pacific
Handler Address: 8688 ETIWANDA AVE
Handler City,State,Zip: RANCHO CUCAMONGA, CA 91739
EPA ID: CAC003029377
Contact Name: CHRISTINE ROCKWOOD
Contact Address: 8688 ETIWANDA AVE
Contact City,State,Zip: RANCHO CUCAMONGA, CA 91739
Contact Telephone: 909-635-8620
Contact Fax: Not reported
Contact Email: CHRISTINA.ROCKWOOD@GAPAC.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 8688 ETIWANDA AVE
Mailing City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner Name: Christine Rockwood
Owner Type: Other
Operator Name: Christine Rockwood
Operator Type: Other
Short-Term Generator Activity: No

GEORGIA PACIFIC (Continued) **1025849314**

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190910
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: CHRISTINE ROCKWOOD	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8688 ETIWANDA AVE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-635-8620
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CHRISTINE ROCKWOOD	
Legal Status:	Other

GEORGIA PACIFIC (Continued) **1025849314**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8688 ETIWANDA AVE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-635-8620
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190814
Handler Name: GEORGIA PACIFIC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

H41 **NATIONAL DISTRIBUTION CENTERS LLC** **NPDES** **S118839868**
NE **8688 ETIWAND AVE** **San Bern. Co. Permit** **N/A**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739** **CERS**
0.210 mi.
1108 ft. **Site 4 of 7 in cluster H**

Relative: **Higher**
Actual: **1142 ft.**

NPDES:

Name:	NATIONAL DISTRIBUTION CENTERS LLC
Address:	8688 ETIWAND AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	472126
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 36NEC003000
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/21/2017

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	8688 Etiwand Ave
Discharge Name:	National Distribution Centers LLC
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	472126
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36NEC003000
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	01/31/2017
Processed Date:	02/21/2017
Status:	Active
Status Date:	02/21/2017
Place Size:	27.25
Place Size Unit:	Acres
Contact:	Mia Crespo
Contact Title:	General Manager
Contact Phone:	909-477-2800
Contact Phone Ext:	Not reported
Contact Email:	mia.crespo@nfiindustries.com
Operator Name:	National Distribution Centers LLC
Operator Address:	8688 Etiwand Ave
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739
Operator Contact:	Mark Winsborrow
Operator Contact Title:	Director of Safety
Operator Contact Phone:	909-393-1007
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	mark.winsborrow@nfiindustries.com
Operator Type:	Private Business
Developer:	Not reported

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-297-6440
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River Basin
Certifier:	Mark Winsborrow
Certifier Title:	Director of Safety
Certification Date:	31-JAN-17
Primary Sic:	4225-General Warehousing and Storage
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	472126
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36NEC003000
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/21/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	National Distribution Centers LLC
Discharge Address:	8688 Etiwand Ave
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	NATIONAL DISTRIBUTION CENTERS LLC
Address:	8688 ETIWAND AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36NEC003000
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	02/21/2017
Operator Name:	National Distribution Centers LLC
Operator Address:	8688 Etiwand Ave
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	472126
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36NEC003000
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	01/31/2017
Processed Date:	02/21/2017
Status:	Active
Status Date:	02/21/2017
Place Size:	27.25
Place Size Unit:	Acres
Contact:	Mia Crespo
Contact Title:	General Manager
Contact Phone:	909-477-2800
Contact Phone Ext:	Not reported
Contact Email:	mia.crespo@nfiindustries.com

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Operator Name:	National Distribution Centers LLC
Operator Address:	8688 Etiwand Ave
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739
Operator Contact:	Mark Winsborrow
Operator Contact Title:	Director of Safety
Operator Contact Phone:	909-393-1007
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	mark.winsborrow@nfiindustries.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-297-6440
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River Basin
Certifier:	Mark Winsborrow
Certifier Title:	Director of Safety
Certification Date:	31-JAN-17
Primary Sic:	4225-General Warehousing and Storage
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	472126
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36NEC003000
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Effective Date Of Regulatory Measure:	02/21/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	National Distribution Centers LLC
Discharge Address:	8688 Etiwand Ave
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91739
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Receiving Water Name: Not reported
Certifier: Not reported
Certifier Title: Not reported
Certification Date: Not reported
Primary Sic: Not reported
Secondary Sic: Not reported
Tertiary Sic: Not reported

San Bern. Co. Permit:
Name: NATIONAL DISTRIBUTION CENTERS LLC
Address: 8688 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0016848
Owner: National Distribution Centers LLC
Permit Number: PT0036154
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: ACTIVE
Expiration Date: 08/31/2023

Name: NATIONAL DISTRIBUTION CENTERS LLC
Address: 8688 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0016848
Owner: National Distribution Centers LLC
Permit Number: PT0037375
Permit Category: HAZWASTE GENERAL ACTIVITY (NB)
Facility Status: FEE EXEMPT
Expiration Date: 08/31/2017

CERS:
Name: NATIONAL DISTRIBUTION CENTERS LLC
Address: 8688 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 398074
CERS ID: 10662277
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-01-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-29-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Eval Source: CERS,

Coordinates:
Site ID: 398074
Facility Name: National Distribution Centers LLC
Env Int Type Code: HMBP
Program ID: 10662277
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 34.095660
Longitude: -117.523850

Affiliation:
Affiliation Type Desc: Property Owner
Entity Name: Goodman Birtcher
Entity Title: Not reported
Affiliation Address: 15201 Von Karmen Ave
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92612
Affiliation Phone: (949) 407-0151,

Affiliation Type Desc: Document Preparer
Entity Name: Benjamin Andrew
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 8688 Etiwanda Ave
Affiliation City: Rancho Cucamonga
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Benjamin Andrew
Entity Title: Sr Director of Occupational Health and Safety
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported

NATIONAL DISTRIBUTION CENTERS LLC (Continued) **S118839868**

Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Legal Owner
Entity Name:	NATIONAL DISTRIBUTION CENTERS LLC
Entity Title:	Not reported
Affiliation Address:	2 Cooper St
Affiliation City:	Camden
Affiliation State:	NJ
Affiliation Country:	United States
Affiliation Zip:	08102
Affiliation Phone:	(800) 922-5088,
Affiliation Type Desc:	Operator
Entity Name:	NATIONAL DISTRIBUTION CENTERS LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 463-5530,
Affiliation Type Desc:	Parent Corporation
Entity Name:	National Distribution Centers L.P.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Ben Andrew
Entity Title:	Not reported
Affiliation Address:	15913 Mountain Ave
Affiliation City:	Chino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91708
Affiliation Phone:	,

H42 **NATIONAL DISTRIBUTION CENTERS** **RCRA NonGen / NLR** **1024851433**
NE **8688 ETIWANDA AVE** **CAL000409980**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.210 mi.
1108 ft. **Site 5 of 7 in cluster H**

Relative: **Higher**
Actual: **1142 ft.**

RCRA Listings:

Date Form Received by Agency:	20150909
Handler Name:	National Distribution Centers
Handler Address:	8688 ETIWANDA AVE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAL000409980
Contact Name:	STEFAN RADUHA
Contact Address:	2496 TECHNOLOGY DRIVE
Contact City,State,Zip:	ELGIN, IL 60124
Contact Telephone:	847-888-0276
Contact Fax:	847-888-0279
Contact Email:	COMPLIANCE@JMMGLOBAL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	15835 SAN ANTONIO AVE
Mailing City,State,Zip:	CHINO, CA 91708-7608
Owner Name:	National Distribution Centers Lp
Owner Type:	Other
Operator Name:	Stefan Raduha
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

NATIONAL DISTRIBUTION CENTERS (Continued) **1024851433**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NATIONAL DISTRIBUTION CENTERS LP
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1515 BURNT MILL RD
Owner/Operator City,State,Zip:	CHERRY HILL, NJ 08003
Owner/Operator Telephone:	856-857-1324
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	STEFAN RADUHA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2496 TECHNOLOGY DRIVE
Owner/Operator City,State,Zip:	ELGIN, IL 60124
Owner/Operator Telephone:	847-888-0276
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20150909
Handler Name:	NATIONAL DISTRIBUTION CENTERS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

NATIONAL DISTRIBUTION CENTERS (Continued) **1024851433**

List of NAICS Codes and Descriptions:
NAICS Code: 53113
NAICS Description: LESSORS OF MINIWAREHOUSES AND SELF-STORAGE UNITS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

H43 **UFP INDUSTRIAL, LLP (DBA: T&R LUMBER COMPANY)** **HAULERS** **S127328603**
NE **8685 ETIWANDA AVE** **San Bern. Co. Permit** **N/A**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739** **CERS**
0.213 mi.
1122 ft. **Site 6 of 7 in cluster H**

Relative:
Higher

Actual:
1142 ft.

HAULERS:
Name: T&R LUMBER
Address: 8685 ETIWANDA AVENUE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Facility ID: 1950736
Facility Phone: (909) 367-5489
Business Email Address: Not reported
Contact Person: Nolan Glidden
Mailing Address: 8685 Etiwanda Avenue
Mailing City: Rancho Cucamonga
Mailing State: CA
Mailing Zip: 91739
Mailing County: Not reported
Mailing Phone: (909) 367-5489
Current Status: Active
Current Hauler Status: Not reported
Accepting Tires From Public: Not reported
Regulatory Status Last Changed: 2021-11-02 13:52:52
Business Types: Not reported

San Bern. Co. Permit:
Name: UFP INDUSTRIAL LLC (DBA: T&R LUMBER COMPANY)
Address: 8685 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0018791
Owner: UFP INDUSTRIAL, LLC (DBA T&R LUMBER COMPANY)
Permit Number: PT0040589
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 05/31/2023

CERS:
Name: UFP INDUSTRIAL, LLP (DBA: T&R LUMBER COMPANY)
Address: 8685 ETIWANDA AVE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 572686
CERS ID: 10865497

UFP INDUSTRIAL, LLP (DBA: T&R LUMBER COMPANY) (Continued) **S127328603**

CERS Description: Chemical Storage Facilities

Violations:
Site ID: 572686
Site Name: UFP Industrial, LLP (dba: T&R Lumber Company)
Violation Date: 12-01-2021
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 12/08/2021. OBSERVATION: Emergency contact list is incomplete. CalOES phone number is missing. Template provided. CORRECTIVE ACTION: Submit a complete emergency response plan and procedures for a release or threatened release of hazardous materials via CERS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-01-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: Joseph Mark
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: UFP Industrial, LLC (dba: T&R Lumber Company)
Entity Title: Not reported
Affiliation Address: 2801 East Beltline Ave. NE
Affiliation City: Grand Rapids
Affiliation State: MI
Affiliation Country: United States
Affiliation Zip: 49525
Affiliation Phone: (616) 365-1526,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA

UFP INDUSTRIAL, LLP (DBA: T&R LUMBER COMPANY) (Continued) **S127328603**

Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Environmental Contact
Entity Name:	Robert Dickens
Entity Title:	Not reported
Affiliation Address:	2801 East Beltline Ave. NE
Affiliation City:	Grand Rapids
Affiliation State:	MI
Affiliation Country:	Not reported
Affiliation Zip:	49525
Affiliation Phone:	,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	2801 East Beltline Ave. NE
Affiliation City:	Grand Rapids
Affiliation State:	MI
Affiliation Country:	Not reported
Affiliation Zip:	49525
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	Phil Guardia
Entity Title:	General Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	UFP Industrial, LLC (dba: T&R Lumber Company)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(888) 899-3400,
Affiliation Type Desc:	Parent Corporation
Entity Name:	UFP Industrial, LLP (dba: T&R Lumber Company)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	UFP Industrial, LLC (dba: T&R Lumber Company)
Entity Title:	Not reported

UFP INDUSTRIAL, LLP (DBA: T&R LUMBER COMPANY) (Continued) **S127328603**

Affiliation Address:	2801 East Beltline Ave. NE
Affiliation City:	Grand Rapids
Affiliation State:	MI
Affiliation Country:	United States
Affiliation Zip:	49525
Affiliation Phone:	(616) 364-6161,

H44 **UFP INDUSTRIAL LLC DBA T&R LUMBER** **RCRA NonGen / NLR** **1027094693**
NE **8685 ETIWANDA AVE** **CAL000468290**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.213 mi.
1122 ft. **Site 7 of 7 in cluster H**

Relative: **Higher**
Actual: **1142 ft.**

RCRA Listings:

Date Form Received by Agency:	20220202
Handler Name:	Ufp Industrial Llc Dba T&R Lumber
Handler Address:	8685 ETIWANDA AVE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAL000468290
Contact Name:	NOLAN GLIDDEN
Contact Address:	8685 ETIWANDA AVE
Contact City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact Telephone:	909-899-3312
Contact Fax:	Not reported
Contact Email:	NOLAN.GLIDDEN@TRLCOMPANY.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 2484
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91729
Owner Name:	Ufp Industrial Llc
Owner Type:	Other
Operator Name:	Nolan Glidden
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N

UFP INDUSTRIAL LLC DBA T&R LUMBER (Continued) **1027094693**

Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220204
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOLAN GLIDDEN	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8685 ETIWANDA AVE
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-899-3312
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: UFP INDUSTRIAL LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2801 E BELTLINE NE
Owner/Operator City,State,Zip:	GRAND RAPIDS, MI 49425
Owner/Operator Telephone:	800-598-9663
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20220202
Handler Name:	UFP INDUSTRIAL LLC DBA T&R LUMBER
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported

UFP INDUSTRIAL LLC DBA T&R LUMBER (Continued) **1027094693**

Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	321999
NAICS Description:	ALL OTHER MISCELLANEOUS WOOD PRODUCT MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

I45 **IVP INC DBA V&L REPAIR & DISMANTLING** **CERS HAZ WASTE** **S121309681**
ENE **13053 WHITTRAM AVENUE** **NPDES** **N/A**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739** **San Bern. Co. Permit**
0.223 mi. **CERS**
1180 ft. **Site 1 of 4 in cluster I**

Relative:
Higher

Actual:
1125 ft.

CERS HAZ WASTE:

Name:	V & L REPAIR
Address:	13053 & WHITTRAM AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	165296
CERS ID:	10046101
CERS Description:	Hazardous Waste Generator

NPDES:

Name:	IVP INC DBA V&L REPAIR & DISMANTLING
Address:	13053 WHITTRAM AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36IN601905
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported

IVP INC DBA V&L REPAIR & DISMANTLING (Continued) **S121309681**

Discharge Zip:	Not reported
Status:	No Action Required
Status Date:	07/13/2018
Operator Name:	IVP INC dba V&L Repair & Dismantling
Operator Address:	13053 Whittram Avenue
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739

Name:	IVP INC DBA V & L REPAIR
Address:	13053 WHITTRAM AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36NNA000875
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	NONA Submitted
Status Date:	09/11/2020
Operator Name:	IVP Inc dba V & L Repair
Operator Address:	13053 Whittram Ave
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91739

San Bern. Co. Permit:

Name:	V & L REPAIR
Address:	13053 WHITTRAM AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0006998
Owner:	VAFAI, IRAJ
Permit Number:	PT0006422
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	ACTIVE
Expiration Date:	12/31/2023

Name:	V & L REPAIR
Address:	13053 WHITTRAM AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0006998
Owner:	VAFAI, IRAJ

IVP INC DBA V&L REPAIR & DISMANTLING (Continued) **S121309681**

Permit Number: PT0006421
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 12/31/2023

CERS:

Name:	V & L REPAIR
Address:	13053 & WHITTRAM AVE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	165296
CERS ID:	10046101
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	07-13-2017
Citation:	HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes:	Not reported
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	10-22-2020
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	OBSERVATION: The phone number provided for the local CUPA on the emergency response/contigency plan is incorrect. CORRECTIVE ACTION: Update the phone number for the local CUPA on the emergency response/contingency plan to either (909) 386-8425 of (800) 33-TOXIC.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	07-13-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 07/13/2017. Failure to complete hazardous waste labels (CCR 66262.34(f)(3))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW

IVP INC DBA V&L REPAIR & DISMANTLING (Continued) **S121309681**

Violation Source:	CERS,
Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	07-13-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 07/13/2017. Failure to retain Hazardous Waste Manifests for at least 3 years (CCR 66262.40(a))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	07-13-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 07/13/2017. Failure to note accumulation start date on labels (CCR 66262.34(f)(2))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	09-23-2014
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	The last Business Plan update submitted by this facility is dated 9/28/2011.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	09-23-2014
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/26/2014. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) Observed two 275-gallon totes of waste diesel fuel missing accumulation start dates. COMPLIANCE REQUIREMENT: -Submit a photograph showing that the containers have been properly labeled.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	165296
Site Name:	V & L REPAIR

IVP INC DBA V&L REPAIR & DISMANTLING (Continued) **S121309681**

Violation Date:	09-23-2014
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/26/2014. Hazardous waste accumulation time exceeded (CCR 66262.34(a)) Observed two unlabeled 275-gallon totes of waste diesel fuel stored on site for an unknown amount of time. COMPLIANCE REQUIREMENT: -Submit a copy of a hazardous waste manifest for the removal of waste diesel fuel.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	09-23-2014
Citation:	22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description:	Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes:	Returned to compliance on 09/26/2014. Observed a 55-gallon drum of drained used oil filters stored on site for more than one year. Used oil filters shall be removed within one year of the start of accumulation. COMPLIANCE REQUIREMENT: -Submit a copy of a disposal receipt for the removal of the used oil filters.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	07-13-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 07/13/2017. Failure to label hazardous waste containers (CCR 66262.34(f)(3))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	10-22-2020
Citation:	HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 11/05/2020. OBSERVATION: The last pick up for used oil occurred on 10/19/2018 and has been stored on site longer

IVP INC DBA V&L REPAIR & DISMANTLING (Continued) **S121309681**

	than 180 days per Ms. Goldy Schlegel. CORRECTIVE ACTION: Have the (1) 500-gallon tank of used oil hauled off by a certified waste hauler and submit a copy of the disposal record to this Division along with the completed Certificate of Compliance (CofC).
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	10-22-2020
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 10/22/2020. OBSERVATION: Observed (1) 275-gallon tote of waste diesel that was missing a hazardous waste label. CORRECTED ON SITE: Mr. Mike Parvane placed a complete hazardous waste label on the (1) 275-gallon tote of waste diesel at the time of inspection.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	10-22-2020
Citation:	HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	OBSERVATION: The federal hazard categories for oxygen, used oil, and new oil were obsolete. Also the daily maximum quantity for all materials listed on the hazardous materials inventory were incorrect. CORRECTIVE ACTION: Update the hazardous materials inventory by providing current federal hazard categories for oxygen, used oil, and new oil. Also update the daily maximum quantity for each material to reflect the shell capacity of all containers storing each material.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	07-13-2017
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 07/19/2017.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

IVP INC DBA V&L REPAIR & DISMANTLING (Continued) **S121309681**

Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	09-23-2014
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 01/12/2015. This facility has not submitted the Business Plan elements into CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	07-13-2017
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 07/13/2017. Failure to maintain used oil disposal receipts for at least 3 years (CHSC 25160.2(b)(3))
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,

Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	09-23-2014
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes:	Observed hazardous materials on site during the inspection that are not listed in the most current Business Plan inventory.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

Site ID:	165296
Site Name:	V & L REPAIR
Violation Date:	10-22-2020
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	OBSERVATION: The facility business plan was last certified on 2/28/2019 via CERS. Your CERS ID number is 10046101. CORRECTIVE ACTION: Review and certify the facility business plan via CERS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP

IVP INC DBA V&L REPAIR & DISMANTLING (Continued) **S121309681**

Violation Source: CERS,

Site ID: 165296
Site Name: V & L REPAIR
Violation Date: 07-13-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Not reported
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 165296
Site Name: V & L REPAIR
Violation Date: 09-23-2014
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 09/26/2014. Failure to label hazardous waste containers (CCR 66262.34(f)(3)) Any tank or container holding a hazardous waste must be properly labeled. Proper labeling includes the following information: the words Hazardous Waste, generator name and address, hazardous properties of the waste, composition & physical state of the waste, and the accumulation start date. Observed two 275-gallon totes missing hazardous waste labels. COMPLIANCE REQUIREMENT: -Submit a photograph showing that the containers have been properly labeled.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-13-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION, FILE REVIEW
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-23-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION-V & L REPAIR
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-23-2014
Violations Found: Yes
Eval Type: Routine done by local agency

IVP INC DBA V&L REPAIR & DISMANTLING (Continued) **S121309681**

Eval Notes: ROUTINE HANDLER INSPECTION-V & L REPAIR
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-13-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE INSPECTION, FILE REVIEW
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-22-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Enforcement Action:
Site ID: 165296
Site Name: V & L REPAIR
Site Address: 13053 & WHITTRAM AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 09-23-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS,

Site ID: 165296
Site Name: V & L REPAIR
Site Address: 13053 & WHITTRAM AVE
Site City: RANCHO CUCAMONGA
Site Zip: 91739
Enf Action Date: 09-23-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP

IVP INC DBA V&L REPAIR & DISMANTLING (Continued) **S121309681**

Enf Action Source: CERS,

Affiliation:

Affiliation Type Desc: Legal Owner
Entity Name: VAFAI, IRAJ
Entity Title: Not reported
Affiliation Address: 13053 WHITTRAM AVE
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91739
Affiliation Phone: (909) 899-1395,

Affiliation Type Desc: Property Owner
Entity Name: IRAJ VAFAI
Entity Title: Not reported
Affiliation Address: 13053 WHITTRAM AVE
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91739
Affiliation Phone: (909) 899-1395,

Affiliation Type Desc: Environmental Contact
Entity Name: GAMIDA SCHLEGEL
Entity Title: Not reported
Affiliation Address: 13053 WHITTRAM
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 13053 WHITTRAM AVE
Affiliation City: RANCHO CUCAMONGA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91739
Affiliation Phone: ,

Affiliation Type Desc: Parent Corporation
Entity Name: V & L REPAIR
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street

IVP INC DBA V&L REPAIR & DISMANTLING (Continued) **S121309681**

Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Document Preparer
Entity Name:	GAMIDA SCHLEGEL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	GAMIDA "GOLDY" SCHLEGEL
Entity Title:	OFFICE MANAGER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Operator
Entity Name:	IVP INC DBA V & L REPAIR
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 899-1395,

I46 **IVP INC DBA V & L REPAIR** **RCRA NonGen / NLR** **1024789070**
ENE **13053 WHITTRAN** **CAL000058734**
1/8-1/4 **RANCHO CUCAMONGA, CA 91730**
0.223 mi.
1180 ft. **Site 2 of 4 in cluster I**

Relative:
Higher

Actual:
1125 ft.

RCRA Listings:

Date Form Received by Agency:	19920224
Handler Name:	Ivp Inc Dba V & L Repair
Handler Address:	13053 WHITTRAN
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91730-0000
EPA ID:	CAL000058734
Contact Name:	VAFAI-PARVANE, IRADZE
Contact Address:	13053 WHITTRAM AVE
Contact City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact Telephone:	909-899-1395
Contact Fax:	909-899-8235
Contact Email:	IVPCO@YAHOO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported

IVP INC DBA V & L REPAIR (Continued) **1024789070**

Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	13053 WHITTRAM AVE
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9619
Owner Name:	Iradze Vafai-Parvane
Owner Type:	Other
Operator Name:	Vafai-Parvane, Iradze
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:
Owner/Operator Indicator: Owner

IVP INC DBA V & L REPAIR (Continued) **1024789070**

Owner/Operator Name: IRADZE VAFAI-PARVANE
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 13053 WHITTRAM AVE
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739-9619
Owner/Operator Telephone: 909-899-1395
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: VAFAI-PARVANE, IRADZE
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 13053 WHITTRAM AVE
Owner/Operator City,State,Zip: RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone: 909-899-1395
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19920224
Handler Name: IVP INC DBA V & L REPAIR
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J47 **CAL HOME BRANDS, C-H-B FOODS D** **HIST UST** **U001569535**
East **8939 ETIWANDA AV** **EMI** **N/A**
1/8-1/4 **ETIWANDA, CA 91739**
0.230 mi.
1215 ft. **Site 1 of 4 in cluster J**

Relative: **Lower**

Actual: **1119 ft.**

HIST UST:

Name:	CHB FOODS INC METAL DECO DIV
Address:	8939 ETIWANDA AVE
City,State,Zip:	ETIWANDA, CA 91739
File Number:	00029b74
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00029b74.pdf
Region:	STATE
Facility ID:	00000016014
Facility Type:	Other
Other Type:	LITHO COATING
Contact Name:	G DIXON
Telephone:	7148992544
Owner Name:	CHB FOODS, INC
Owner Address:	772 TUNA PO BOX 3510
Owner City,St,Zip:	TERMINAL ISLAND, CA 90731
Total Tanks:	0000
Tank Num:	001
Container Num:	1
Year Installed:	1966
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	10
Tank Num:	002
Container Num:	M710-1
Year Installed:	Not reported
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	003
Container Num:	2
Year Installed:	1966
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	10
Tank Num:	004
Container Num:	3
Year Installed:	1966
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

CAL HOME BRANDS, C-H-B FOODS D (Continued) **U001569535**

Tank Num:	005
Container Num:	4
Year Installed:	1966
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Tank Num:	006
Container Num:	5
Year Installed:	1966
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Tank Num:	007
Container Num:	6
Year Installed:	1966
Tank Capacity:	00000000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	10

Tank Num:	008
Container Num:	7
Year Installed:	1966
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None, 10

Click here for Geo Tracker PDF:

EMI:

Name:	CAL HOME BRANDS, C-H-B FOODS D
Address:	8939 ETIWANDA AV
City,State,Zip:	ETIWANDA, CA 91739
Year:	1987
County Code:	36
Air Basin:	SC
Facility ID:	42008
Air District Name:	SC
SIC Code:	2099
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:	69
Reactive Organic Gases Tons/Yr:	68
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	12
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1

CAL HOME BRANDS, C-H-B FOODS D (Continued) **U001569535**

Part. Matter 10 Micrometers and Smllr Tons/Yr:1

J48 **NATIONAL CAN CORP** **RCRA-SQG** **1000260483**
East **8939 ETIWANDA AVE** **CAD041580945**
1/8-1/4 **ETIWANDA, CA 91739**
0.230 mi.
1215 ft. **Site 2 of 4 in cluster J**

Relative: **Lower**
Actual: **1119 ft.**

RCRA Listings:

Date Form Received by Agency:	19960901
Handler Name:	National Can Corp
Handler Address:	8939 ETIWANDA AVE
Handler City,State,Zip:	ETIWANDA, CA 91739
EPA ID:	CAD041580945
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Ca
State District:	4
Mailing Address:	PO BOX 347
Mailing City,State,Zip:	ETIWANDA, CA 91739
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	National Can Corporation
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No

NATIONAL CAN CORP (Continued) **1000260483**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NATIONAL CAN CORPORATION	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8101 WEST HIGGINS ROAD
Owner/Operator City,State,Zip:	CITY NOT REPORTED, IL 99999
Owner/Operator Telephone:	312-399-3392
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NATIONAL CAN CORPORATION	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8101 WEST HIGGINS ROAD
Owner/Operator City,State,Zip:	CHICAGO, IL 60631
Owner/Operator Telephone:	312-399-3392
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name: NATIONAL CAN CORP	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Ca
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

NATIONAL CAN CORP (Continued) **1000260483**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800818
Handler Name: NATIONAL CAN CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 332431
NAICS Description: METAL CAN MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

J49 **STERLING CAN** **CPS-SLIC** **S109928482**
East **8939 ETIWANDA AVENUE** **N/A**
1/8-1/4 **RANCHO CUCAMONGA, CA**
0.230 mi.
1215 ft. **Site 3 of 4 in cluster J**

Relative:
Lower

Actual:
1119 ft.

CPS-SLIC:
Name: STERLING CAN
Address: 8939 ETIWANDA AVENUE
City,State,Zip: RANCHO CUCAMONGA, CA
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 06/22/1995
Global Id: SLT8R1864120
Lead Agency: SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number: Not reported
Latitude: 34.143184
Longitude: -117.522669
Case Type: Cleanup Program Site
Case Worker: PAH
Local Agency: Not reported
RB Case Number: SLT8R186
File Location: Regional Board
Potential Media Affected: Soil
Potential Contaminants of Concern: Tetrachloroethylene (PCE), Toluene, Xylene
EPA Region: 9
Coordinate Source: Manual Entry on Screens
Cuf Case: NO
Quantity Released Gallons: Not reported

STERLING CAN (Continued) **S109928482**

Begin Date:	04/25/1994
Leak Reported Date:	Not reported
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	06/22/1995
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	36-40%
CA Enviroscreen 4 Score:	15-20%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

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

J50 **STERLING CAN** **CPS-SLIC S102417030**
East **8939 ETIWANDA AVENUE** **CERS N/A**
1/8-1/4 **RANCHO CUCAMONGA, CA**
0.230 mi.
1215 ft. **Site 4 of 4 in cluster J**

Relative: **Lower**
Actual: **1119 ft.**

SLIC REG 8:

Name:	STERLING CAN
Address:	8939 ETIWANDA AVENUE
City:	RANCHO CUCAMONGA
Type:	Soil
Facility Status:	Closed
Staff:	PAH
Substance:	PCE
Lead Agency:	Regional Board
Location Code:	Not reported
Thomas Bros Code:	Not reported

CERS:

Name:	STERLING CAN
Address:	8939 ETIWANDA AVENUE
City,State,Zip:	RANCHO CUCAMONGA, CA
Site ID:	687934
CERS ID:	SLT8R1864120
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	PATRICIA HANNON - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 MAIN STREET, SUITE 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

I51 **TRINITY EQUIPMENT RENTALS** **RCRA NonGen / NLR** **1024837666**
ENE **13052 WHITTRAM AVE** **CAL000383535**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.237 mi.
1251 ft. **Site 3 of 4 in cluster I**

Relative:
Higher

Actual:
1128 ft.

RCRA Listings:

Date Form Received by Agency:	20130314
Handler Name:	Trinity Equipment Rentals
Handler Address:	13052 WHITTRAM AVE
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAL000383535
Contact Name:	STEVE DORADO
Contact Address:	8531 MISSION BLVD
Contact City,State,Zip:	RIVERSIDE, CA 92509
Contact Telephone:	951-836-7850
Contact Fax:	909-463-4985
Contact Email:	STEVED@TRINITYEQUIPMENTRENTALS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	8531 MISSION BLVD
Mailing City,State,Zip:	RIVERSIDE, CA 92509
Owner Name:	Ramire Sandoval Jr
Owner Type:	Other
Operator Name:	Steve Dorado
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

TRINITY EQUIPMENT RENTALS (Continued) **1024837666**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: RAMIRE SANDOVAL JR	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8531 MISSION BLVD
Owner/Operator City,State,Zip:	RIVERSIDE, CA 92509
Owner/Operator Telephone:	909-463-4886
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: STEVE DORADO	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8531 MISSION BLVD
Owner/Operator City,State,Zip:	RIVERSIDE, CA 92509
Owner/Operator Telephone:	951-836-7850
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20130314
Handler Name: TRINITY EQUIPMENT RENTALS	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

TRINITY EQUIPMENT RENTALS (Continued) **1024837666**

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K52 **INLAND EMPIRE REGIONAL COMPOSTING FACILITY** **LOS ANGELES CO LF METHANE** **S127128193**
SSW **N/A**
1/8-1/4 **, CA**
0.242 mi.
1276 ft. **Site 1 of 5 in cluster K**

Relative: **Lower**
Actual: **1092 ft.**

LOS ANGELES CO LF METHANE:
Name: INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Address: Not reported
City,State,Zip: CA
Site Number: 2733
Status: Not reported
Description: Not reported
Operator Name: Not reported
Operator Telephone: Not reported
Sup District: Not reported
Shape Length: Not reported
Shape Area: Not reported
Latitude: Not reported
Longitude: Not reported

K53 **INLAND EMPIRE REGIONAL COMPOSTING FACILITY** **AST** **S102041238**
SSW **12645 6TH ST** **CERS HAZ WASTE** **N/A**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739** **CERS TANKS**
0.249 mi. **San Bern. Co. Permit**
1316 ft. **Site 2 of 5 in cluster K** **CERS**

Relative: **Lower**
Actual: **1092 ft.**

AST:
Name: INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Address: 12645 6TH ST
City/Zip: RANCHO CUCAMONGA,91739
Certified Unified Program Agencies: Not reported
Owner: INLAND EMPIRE REGIONAL COMPOSTING AUTHORITY
Total Gallons: Not reported
CERSID: 10052866
Facility ID: FA0011441
Business Name: IEUA
Phone: (909) 993-1500
Fax: (909) 993-1510
Mailing Address: 12645 6TH ST
Mailing Address City: RANCHO CUCAMONGA
Mailing Address State: CA
Mailing Address Zip Code: 91739
Operator Name: JEFF ZIEGENBEIN

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S102041238**

Operator Phone:	(909) 993-1981
Owner Phone:	(909) 993-1500
Owner Mail Address:	12645 6TH STREET
Owner State:	CA
Owner Zip Code:	91739
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAL000329825

CERS HAZ WASTE:

Name:	INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Address:	12645 6TH ST
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	124345
CERS ID:	10052866
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Address:	12645 6TH ST
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	124345
CERS ID:	10052866
CERS Description:	Aboveground Petroleum Storage

San Bern. Co. Permit:

Name:	INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Address:	12645 6TH ST
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0011441
Owner:	INLAND EMPIRE UTILITIES AGENCY
Permit Number:	PT0021742
Permit Category:	APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status:	ACTIVE
Expiration Date:	03/31/2024

Name:	INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Address:	12645 6TH ST
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0011441
Owner:	INLAND EMPIRE UTILITIES AGENCY
Permit Number:	PT0021741
Permit Category:	HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	03/31/2024

Name:	INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Address:	12645 6TH ST

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S102041238**

City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0011441
Owner: INLAND EMPIRE UTILITIES AGENCY
Permit Number: PT0021740
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 03/31/2024

Name: INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Address: 12645 6TH ST
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0011441
Owner: INLAND EMPIRE UTILITIES AGENCY
Permit Number: PT0021743
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 03/31/2014

CERS:
Name: INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Address: 12645 6TH ST
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 124345
CERS ID: 10052866
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 124345
Site Name: INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Violation Date: 04-29-2021
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description: Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes: Returned to compliance on 04/29/2021. OBSERVATION: Observed (1) 55-gallon drum of drained used oil filters missing a complete label. CORRECTED ON SITE: Mr. Arin Boughan placed a complete label on the container of drained used oil filters at the time of inspection.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 124345
Site Name: INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Violation Date: 04-29-2021
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 04/29/2021. OBSERVATION: Observed (1) 55-gallon drum of used oil missing a hazardous waste label. CORRECTED ON SITE: Mr. Arin Boughan placed a complete hazardous waste label on

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S102041238**

the drum of used oil at the time of inspection.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 124345
Site Name: INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Violation Date: 04-02-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 04/16/2015. Failure to inspect Hazardous Waste container storage areas weekly (CCR 66265.174) A weekly hazardous waste inspection has not been conducted. A weekly template was provided.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 124345
Site Name: INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Violation Date: 04-02-2015
Citation: HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description: Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 04/16/2015. Failure to note accumulation start date on labels (CCR 66262.34(f)(2)) Accumulation start dates were not marked on the waste oil containers. Ensure that a date is added at the start of accumulation.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ieua inspection
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S102041238**

Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ieua inspection
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-02-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ieua inspection
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S102041238**

Enforcement Action:

Site ID:	124345
Site Name:	INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Site Address:	12645 6TH ST
Site City:	RANCHO CUCAMONGA
Site Zip:	91739
Enf Action Date:	04-02-2015
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	San Bernardino County Fire Department
Enf Action Program:	HW
Enf Action Source:	CERS,

Coordinates:

Site ID:	124345
Facility Name:	INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Env Int Type Code:	HWG
Program ID:	10052866
Coord Name:	Not reported
Ref Point Type Desc:	Unknown,
Latitude:	34.085050
Longitude:	-117.529630

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12645 6TH ST
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,
Affiliation Type Desc:	Parent Corporation
Entity Name:	IEUA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Document Preparer

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S102041238**

Entity Name:	Ernie Rodelo
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Environmental Contact
Entity Name:	TONY ARELLANO
Entity Title:	Not reported
Affiliation Address:	PO BOX 9020
Affiliation City:	CHINO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91709
Affiliation Phone:	,
Affiliation Type Desc:	Identification Signer
Entity Name:	JEFF ZIEGENBEIN
Entity Title:	ACTING DIRECTOR OF OPERATIONS AND MAINTENANCE
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Legal Owner
Entity Name:	INLAND EMPIRE REGIONAL COMPOSTING AUTHORITY
Entity Title:	Not reported
Affiliation Address:	12645 6TH STREET
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91739
Affiliation Phone:	(909) 993-1500,
Affiliation Type Desc:	Operator
Entity Name:	JEFF ZIEGENBEIN
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 993-1981,

K54 **INLAND EMPIRE REGIONAL COMPOSTING AUTHORITY** **RCRA NonGen / NLR** **1024819518**
SSW **12645 6TH ST** **CAL000329825**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.249 mi.
1316 ft. **Site 3 of 5 in cluster K**

Relative: **Lower**

Actual: **1092 ft.**

RCRA Listings:

Date Form Received by Agency:	20080220
Handler Name:	Inland Empire Regional Composting Authority
Handler Address:	12645 6TH ST
Handler City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9223
EPA ID:	CAL000329825
Contact Name:	JEFF KING
Contact Address:	12645 6TH ST
Contact City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact Telephone:	909-993-1500
Contact Fax:	909-993-1510
Contact Email:	JKING@IEUA.ORG
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12645 6TH ST
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91739-9223
Owner Name:	Inland Empire Utilities Agency
Owner Type:	Other
Operator Name:	Jeff King
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No

INLAND EMPIRE REGIONAL COMPOSTING AUTHORITY (Continued) **1024819518**

Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	INLAND EMPIRE UTILITIES AGENCY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	6075 KIMBALL AVE
Owner/Operator City,State,Zip:	CHINO, CA 91708-9174
Owner/Operator Telephone:	909-993-1600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JEFF KING
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12645 6TH ST
Owner/Operator City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Owner/Operator Telephone:	909-993-1500
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20080220
Handler Name:	INLAND EMPIRE REGIONAL COMPOSTING AUTHORITY
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

INLAND EMPIRE REGIONAL COMPOSTING AUTHORITY (Continued) **1024819518**

List of NAICS Codes and Descriptions:
NAICS Code: 325314
NAICS Description: FERTILIZER (MIXING ONLY) MANUFACTURING

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

K55 **INLAND EMPIRE REGIONAL COMPOSTING FAC.** **SWF/LF** **S106528986**
SSW **12645 SIXTH STREET** **N/A**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739**
0.249 mi.
1316 ft. **Site 4 of 5 in cluster K**

Relative:
Lower

Actual:
1092 ft.

SWF/LF (SWIS):

Name:	INLAND EMPIRE REGIONAL COMPOSTING FAC.
Address:	12645 SIXTH STREET
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	STATE
Facility ID:	36-AA-0423
SWIS Number:	36-AA-0423
Point of Contact:	Megan Emslander
Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Active
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
ARB District:	South Coast
SWRCB Region:	Santa Ana
Local Government:	Rancho Cucamonga
Reporting Agency Legal Name:	County of San Bernardino
Reporting Agency Department:	Div. of Environmental Health Services
Enforcing Agency Legal Name:	County of San Bernardino
Enforcing Agency Department:	Div. of Environmental Health Services
Regulation Status:	Notification

Activity:

SWIS Number:	36-AA-0423
Site Name:	Inland Empire Regional Composting Fac.
Activity:	Biosolids Composting at POTWs
Activity Is Archived:	No
Category:	Composting
Activity Classification:	Solid Waste Operation
WDR Number:	Not reported
WDR Landfill Class:	Not reported
Cease Operation:	Not reported
Cease Operation Type:	Not reported
Inspection Frequency:	Quarterly
Throughput:	4550
Throughput Units:	Tons per week

INLAND EMPIRE REGIONAL COMPOSTING FAC. (Continued) **S106528986**

Remaining Capacity:	Not reported
Remaining Capacity Date:	Not reported
Capacity:	150000
Capacity Units:	Tons per year
Total Acreage:	24.4
Disposal Acreage:	Not reported
Permitted Elevation:	Not reported
Permitted Elevation Type:	Not reported
Permitted Depth:	Not reported
Permitted Depth Type:	Not reported
Point of Contact:	Megan Emslander
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
County:	San Bernardino
ARB District:	South Coast
SWRCB Region:	Santa Ana
Local Government:	Rancho Cucamonga
Street Address:	12645 Sixth Street
City:	Rancho Cucamonga
State:	CA
ZIP Code:	91739
Reporting Agency Legal Name:	County of San Bernardino
Reporting Agency Department:	Div. of Environmental Health Services
Enforcing Agency Legal Name:	County of San Bernardino
Enforcing Agency Department:	Div. of Environmental Health Services

Operator:

SWIS Number:	36-AA-0423
Site Name:	Inland Empire Regional Composting Fac.
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Notification
Latitude:	34.08668
Longitude:	-117.52741
Is Archived:	No
Operator:	Inland Empire Regional Composting Fac.
Started On:	Not reported
Contact Name:	Jeff Ziegenbein
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(909) 993-1500
Street Address:	12645 Sixth Street
Operator City:	Rancho Cucamonga
Operator State:	CA
Operator Zip:	91739

Owner:

SWIS Number:	36-AA-0423

INLAND EMPIRE REGIONAL COMPOSTING FAC. (Continued) **S106528986**

Owner:	Inland Empire Regional Composting Fac.
Owner Address:	12645 6th St
Owner City:	Rancho Cucamonga
Owner State:	CA
Owner Zip:	91739
Site Name:	Inland Empire Regional Composting Fac.
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Notification
Latitude:	34.08668
Longitude:	-117.52741
Is Archived:	No
Started On:	Not reported
Contact Name:	Jeff Ziegenbein
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(909) 993-1500

Waste:

SWIS Number:	36-AA-0423
Site Name:	Inland Empire Regional Composting Fac.
Activity:	Biosolids Composting at POTWs
Waste Type:	Green Materials
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Type:	Non-Disposal Only
Point of Contact:	Megan Emslander
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Notification
Activity Category:	Composting
Activity Classification:	Solid Waste Operation

SWIS Number:	36-AA-0423
Site Name:	Inland Empire Regional Composting Fac.
Activity:	Biosolids Composting at POTWs
Waste Type:	Sludge (BioSolids)
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Type:	Non-Disposal Only
Point of Contact:	Megan Emslander
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Notification
Activity Category:	Composting
Activity Classification:	Solid Waste Operation

K56 **INLAND EMPIRE REGIONAL COMPOSTING FACILITY** **SWF/LF** **S113151672**
SSW **12645 6TH ST.** **HAZNET** **N/A**
1/8-1/4 **RANCHO CUCAMONGA, CA 91739** **HWTS**
0.249 mi.
1316 ft. **Site 5 of 5 in cluster K**

Relative:
Lower

Actual:
1092 ft.

LOS ANGELES CO. LF:

Name:	INLAND EMPIRE REGIONAL COMPOSTING FACILITY
Address:	12645 6TH ST.
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	2733
Alt. Site Name:	N/A
Alt. Address:	N/A
Site Contact:	Not reported
Site Contact Phone:	(909) 993-1500
Site Email:	Not reported
Site Website:	N/A
Site Type:	Out-of-County Facility
Site SWIS Number:	36-AA-0423
Beginning Operation Date:	N/A
Ending Operation Date:	N/A
Local Enforcement Agency:	County of San Bernardino Div. of Environmental Health Services
Maximun Depth Fill(Ft):	Not reported
Permitted Capacity:	420
Present Use:	Solid Waste Operation
Remaining Capacity(Million):	N/A
Status:	Active
Waste Accepted:	Green Materials;
Hours of Operation:	Monday - Friday 7 am - 5 pm
Disposal Area (Acre):	Not reported

Detail As Of 01/2014:

Operator Name:	Unknown
Operator Address:	Not reported
Operator City/State/Zip:	Not reported
Operator Contact:	Not reported
Operator Telephone:	Not reported
Operator Email:	Not reported
Owner Name:	Unknown
Owner Address:	Not reported
Owner City/State/Zip:	Not reported
Owner Contact:	Not reported
Owner Telephone:	Not reported
Owner Email:	Not reported
District:	Not reported
Site Mailing Address:	N/A

HAZNET:

Name:	INLAND EMPIRE REGIONAL COMPOSTING AUTHORITY
Address:	12645 6TH ST
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 917399223
Contact:	JEFF ZIEGENBEIN
Telephone:	9099931500
Mailing Name:	Not reported
Mailing Address:	12645 6TH ST
Year:	2021
Gepaid:	CAL000329825

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

TSD EPA ID: AZR000520478
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.22936

Year: 2021
Gepaid: CAL000329825
TSD EPA ID: AZR000520478
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.18

Year: 2021
Gepaid: CAL000329825
TSD EPA ID: AZR000520478
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.60551

Year: 2020
Gepaid: CAL000329825
TSD EPA ID: AZR000520478
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.418

Year: 2020
Gepaid: CAL000329825
TSD EPA ID: CAT080013352
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.0924

Year: 2020
Gepaid: CAL000329825
TSD EPA ID: AZR000520478
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.22936

Year: 2020
Gepaid: CAL000329825
TSD EPA ID: AZR000520478
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.06

Year: 2019
Gepaid: CAL000329825

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.04200
Year:	2017
Gepaid:	CAL000329825
TSD EPA ID:	CAD982444481
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.646
Year:	2017
Gepaid:	CAL000329825
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.126

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

Additional Info:

Year:	2021
Gen EPA ID:	CAL000329825
Shipment Date:	6/15/2020
Creation Date:	7/9/2020
Receipt Date:	6/19/2020
Manifest ID:	021591873JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SVCS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0924
Waste Quantity:	22
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Shipment Date:	12/29/2020
Creation Date:	2/22/2021
Receipt Date:	12/31/2020
Manifest ID:	015693918FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	12/29/2020
Creation Date:	2/22/2021
Receipt Date:	12/31/2020
Manifest ID:	015693918FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	12/29/2020
Creation Date:	2/22/2021
Receipt Date:	12/31/2020
Manifest ID:	015693918FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22936
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/28/2020
Creation Date:	11/16/2020
Receipt Date:	10/30/2020
Manifest ID:	014869769FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/28/2020
Creation Date:	11/16/2020
Receipt Date:	10/30/2020
Manifest ID:	014869769FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/28/2020
Creation Date:	11/16/2020
Receipt Date:	10/30/2020
Manifest ID:	014869769FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAL000329825
Shipment Date:	6/15/2020
Creation Date:	7/9/2020
Receipt Date:	6/19/2020
Manifest ID:	021591873JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SVCS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0924
Waste Quantity:	22

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	12/29/2020
Creation Date:	2/22/2021
Receipt Date:	12/31/2020
Manifest ID:	015693918FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	12/29/2020
Creation Date:	2/22/2021
Receipt Date:	12/31/2020
Manifest ID:	015693918FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	12/29/2020

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Creation Date:	2/22/2021
Receipt Date:	12/31/2020
Manifest ID:	015693918FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22936
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	10/28/2020
Creation Date:	11/16/2020
Receipt Date:	10/30/2020
Manifest ID:	014869769FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	10/28/2020
Creation Date:	11/16/2020
Receipt Date:	10/30/2020
Manifest ID:	014869769FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	10/28/2020
Creation Date:	11/16/2020
Receipt Date:	10/30/2020
Manifest ID:	014869769FLE
Trans EPA ID:	CAR000277566
Trans Name:	ENVIRONMENTAL REGULATORY COMPLIANCE LLC
Trans 2 EPA ID:	CAR000183574
Trans 2 Name:	ENVIRONMENTAL MNGMT TECHNOLOGIES INC
TSDF EPA ID:	AZR000520478
Trans Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Detail Two:

Year:	2020
EM Manifest ID:	97c302ee-f14b-496e-a538-b85a4d5b3262
Shipment Date:	10/28/2020
Receipt Date:	10/30/2020
Manifest Number:	014869769FLE
Generator EPA ID:	CAL000329825
Name:	INLAND EMPIRE REGIONAL COMPOSTING AUTHORITY
Address:	12645 6TH ST
Address 2:	Not reported
City:	RANCHO CUCAMONGA
Zip:	91739-9223
Telephone:	909-553-4506
Contact:	JEFF KING
Contact Telephone:	909-993-1500

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Transporter 1 EPA ID:	CAR000277566
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000183574
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	AZR000520478
TSDF Name:	ENVIRONMENTAL WASTE SOLUTIONS, INC.
TSDF Address 1:	31915 INDUSTRIAL LANE
TSDF Address 2:	Not reported
TSDF City:	PAKER
TSDF Zip:	85344
TSDF Telephone:	Not reported

State:

Year:	2020
EM Manifest ID:	97c302ee-f14b-496e-a538-b85a4d5b3262
Generator EPA ID:	CAL000329825
Shipment Date:	2020-10-28
Manifest Number:	014869769FLE
Line Number:	1
Method Code:	H141
Quantity Tons:	0.20900
Quantity Waste:	55.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Gallons
State Code:	221

Year:	2020
EM Manifest ID:	97c302ee-f14b-496e-a538-b85a4d5b3262
Generator EPA ID:	CAL000329825
Shipment Date:	2020-10-28
Manifest Number:	014869769FLE
Line Number:	2
Method Code:	H141
Quantity Tons:	0.06000
Quantity Waste:	120.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Additional Info:

Year:	2017
Gen EPA ID:	CAL000329825

Shipment Date:	20171220
Creation Date:	8/3/2018 18:30:42
Receipt Date:	20171221
Manifest ID:	017497183JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171204
Creation Date:	6/26/2018 18:30:22
Receipt Date:	20171206
Manifest ID:	017380484JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170602
Creation Date:	5/20/2018 18:32:00
Receipt Date:	20170602
Manifest ID:	016465997JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Quantity Tons:	0.266
Waste Quantity:	70
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170130
Creation Date:	5/17/2017 18:31:39
Receipt Date:	20170202
Manifest ID:	016733096JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES, INC.
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000329825
Shipment Date:	20150916
Creation Date:	11/17/2015 22:15:32
Receipt Date:	20150917
Manifest ID:	014446844JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150617
Creation Date:	9/8/2015 22:15:26
Receipt Date:	20150619
Manifest ID:	014581029JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.228
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150317
Creation Date:	6/24/2015 22:15:41
Receipt Date:	20150318
Manifest ID:	013863638JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150224

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Creation Date:	5/19/2015 22:15:15
Receipt Date:	20150304
Manifest ID:	012769434JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000329825
Shipment Date:	20150916
Creation Date:	11/17/2015 22:15:32
Receipt Date:	20150917
Manifest ID:	014446844JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150617
Creation Date:	9/8/2015 22:15:26
Receipt Date:	20150619
Manifest ID:	014581029JJK

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.228
Waste Quantity:	60
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150317
Creation Date:	6/24/2015 22:15:41
Receipt Date:	20150318
Manifest ID:	013863638JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150224
Creation Date:	5/19/2015 22:15:15
Receipt Date:	20150304
Manifest ID:	012769434JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000329825
Shipment Date:	20141006
Creation Date:	11/22/2014 22:15:14
Receipt Date:	20141006
Manifest ID:	013482000JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140428
Creation Date:	6/24/2014 22:15:06
Receipt Date:	20140429
Manifest ID:	012428762JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.38
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000329825
Shipment Date:	20131001
Creation Date:	11/7/2013 22:15:14
Receipt Date:	20131001
Manifest ID:	011439493JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICES INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.165
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000329825
Shipment Date:	20110822
Creation Date:	10/24/2011 18:30:13
Receipt Date:	20110829
Manifest ID:	008549606JJK
Trans EPA ID:	CAR000206086
Trans Name:	NORTH STATE ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAL000329825
Shipment Date:	20091223
Creation Date:	10/8/2010 18:30:48
Receipt Date:	20091227
Manifest ID:	006128817JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SVCS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091216
Creation Date:	2/3/2010 18:30:55
Receipt Date:	20091216
Manifest ID:	006128645JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SVCS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090803
Creation Date:	9/23/2009 18:30:08
Receipt Date:	20090805
Manifest ID:	006018585JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090803
Creation Date:	9/23/2009 18:30:08
Receipt Date:	20090805
Manifest ID:	006018585JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090223
Creation Date:	4/8/2009 18:31:11
Receipt Date:	20090223
Manifest ID:	004961435JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	INLAND EMPIRE REGIONAL COMPOSTING AUTHORITY
Address:	12645 6TH ST
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
EPA ID:	CAL000329825
Inactive Date:	Not reported
Create Date:	02/20/2008
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	12645 6TH ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 917399223
Owner Name:	INLAND EMPIRE UTILITIES AGENCY
Owner Address:	6075 KIMBALL AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	CHINO, CA 917089174
Owner Phone:	Not reported
Owner Fax:	Not reported
Contact Name:	JEFF ZIEGENBEIN
Contact Address:	12645 6TH ST
Contact Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Contact Phone:	Not reported
Contact Fax:	Not reported
Facility Status:	Active
Facility Type:	PERMANENT
Category:	STATE
Latitude:	34.086282

INLAND EMPIRE REGIONAL COMPOSTING FACILITY (Continued) **S113151672**

Longitude: -117.530668

NAICS:

EPA ID: CAL000329825
Create Date: 2008-02-20 08:11:37.580
NAICS Code: 325314
NAICS Description: Fertilizer (Mixing Only) Manufacturing
Issued EPA ID Date: 2008-02-20 08:11:37.54700
Inactive Date: Not reported
Facility Name: INLAND EMPIRE REGIONAL COMPOSTING AUTHORITY
Facility Address: 12645 6TH ST
Facility Address 2: Not reported
Facility City: RANCHO CUCAMONGA
Facility County: Not reported
Facility State: CA
Facility Zip: 917399223

I57 **PACIFIC RECYCLING ENTERPRISES** **SEMS-ARCHIVE** **1003879838**
ENE **13012 WITTRAM AVE.** **CAD983659970**
1/8-1/4 **RANCHO CUCAMONGA, CA 91730**
0.249 mi.
1317 ft. **Site 4 of 4 in cluster I**

Relative:
Higher

Actual:
1129 ft.

SEMS Archive:

Site ID: 0904783
EPA ID: CAD983659970
Name: PACIFIC RECYCLING ENTERPRISES
Address: 13012 WITTRAM AVE.
Address 2: Not reported
City,State,Zip: RANCHO CUCAMONGA, CA 91730
Cong District: 35
FIPS Code: 06071
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09
Site ID: 0904783
EPA ID: CAD983659970
Site Name: PACIFIC RECYCLING ENTERPRISES
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1993-09-22 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0904783
EPA ID: CAD983659970
Site Name: PACIFIC RECYCLING ENTERPRISES
NPL: N
FF: N

PACIFIC RECYCLING ENTERPRISES (Continued) **1003879838**

OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1993-09-22 04:00:00
Qual:	N
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0904783
EPA ID:	CAD983659970
Site Name:	PACIFIC RECYCLING ENTERPRISES
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1993-02-23 05:00:00
Finish Date:	1993-02-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

58
ENE
1/4-1/2
0.321 mi.
1694 ft.

VILLA PARK LANDSCAPE
13109 WHITTRAM AVE.
RANCHO CUCAMONGA, CA 91730

SWF/LF **S113473426**
N/A

Relative:
Higher

Actual:
1129 ft.

SWF/LF (SWIS):

Name:	VILLA PARK LANDSCAPE
Address:	13109 WHITTRAM AVE.
City,State,Zip:	RANCHO CUCAMONGA, CA 91730
Region:	STATE
Facility ID:	36-AA-0473
SWIS Number:	36-AA-0473
Point of Contact:	Megan Emslander
Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Active
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
ARB District:	South Coast
SWRCB Region:	Santa Ana
Local Government:	Rancho Cucamonga
Reporting Agency Legal Name:	County of San Bernardino
Reporting Agency Department:	Div. of Environmental Health Services
Enforcing Agency Legal Name:	County of San Bernardino
Enforcing Agency Department:	Div. of Environmental Health Services
Regulation Status:	Notification

Activity:

VILLA PARK LANDSCAPE (Continued) **S113473426**

SWIS Number:	36-AA-0473
Site Name:	Villa Park Landscape
Activity:	Green Material Composting Operation
Activity Is Archived:	No
Category:	Composting
Activity Classification:	Solid Waste Operation
WDR Number:	Not reported
WDR Landfill Class:	Not reported
Cease Operation:	Not reported
Cease Operation Type:	Not reported
Inspection Frequency:	Quarterly
Throughput:	160
Throughput Units:	Cubic Yards per Day
Remaining Capacity:	Not reported
Remaining Capacity Date:	Not reported
Capacity:	40000
Capacity Units:	Cubic Yards per year
Total Acreage:	5
Disposal Acreage:	Not reported
Permitted Elevation:	Not reported
Permitted Elevation Type:	Not reported
Permitted Depth:	Not reported
Permitted Depth Type:	Not reported
Point of Contact:	Megan Emslander
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
County:	San Bernardino
ARB District:	South Coast
SWRCB Region:	Santa Ana
Local Government:	Rancho Cucamonga
Street Address:	13109 Whittram Ave.
City:	Rancho Cucamonga
State:	CA
ZIP Code:	91730
Reporting Agency Legal Name:	County of San Bernardino
Reporting Agency Department:	Div. of Environmental Health Services
Enforcing Agency Legal Name:	County of San Bernardino
Enforcing Agency Department:	Div. of Environmental Health Services

Operator:

SWIS Number:	36-AA-0473
Site Name:	Villa Park Landscape
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Notification
Latitude:	34.09378
Longitude:	-117.51872
Is Archived:	No
Operator:	Villa Park Landscape

VILLA PARK LANDSCAPE (Continued) **S113473426**

Started On:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(714) 538-3788
Street Address:	739 W Katella Ave Ste B
Operator City:	Orange
Operator State:	CA
Operator Zip:	92867

Owner:

SWIS Number:	36-AA-0473
Owner:	Javier Reyes
Owner Address:	739 B. West Ketella Ave.
Owner City:	Orange
Owner State:	CA
Owner Zip:	92867
Site Name:	Villa Park Landscape
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Notification
Latitude:	34.09378
Longitude:	-117.51872
Is Archived:	No
Started On:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(714) 538-3788

Waste:

SWIS Number:	36-AA-0473
Site Name:	Villa Park Landscape
Activity:	Green Material Composting Operation
Waste Type:	Green Materials
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Type:	Non-Disposal Only
Point of Contact:	Megan Emslander
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Notification
Activity Category:	Composting
Activity Classification:	Solid Waste Operation

59
North
1/4-1/2
0.357 mi.
1885 ft.

Relative:
Higher

Actual:
1154 ft.

GOODMAN LOGISTICS CENTER
12455 ARROW ROUTE
RANCHO CUCAMONGA, CA 91739

WMUDS/SWAT
HIST UST
DEED
CHMIRS
LDS
ENF
San Bern. Co. Permit
WDS
CIWQS
CERS

S104156558
N/A

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	PROCES
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
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:	Private
Agency Name:	AMERON PIPE CORP
Agency Department:	Not reported
Agency Address:	12455 ARROW ROUTE
Agency City,St,Zip:	ETIWANDA CA 91739
Agency Contact:	KIRK BATHGATE
Agency Telephone:	9098997808
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	8
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 Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	3272
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Not reported
Sub Chapter 15:	True
Regional Board Project Officer:	Not reported
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	H
Self-Monitoring Rept. Frequency:	Quarterly Submittal
Waste Discharge System ID:	8 362001001
Solid Waste Information ID:	Not reported

HIST UST:

Name:	AMERICAN PIPE ARROW PLANT
Address:	12455 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
File Number:	000298e0
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/000298e0.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported

Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

DEED:

Name:	AMERON INTERNATIONAL CORP., BRINE FACILITY (CLOSED)
Address:	12455 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739
Envirostor ID:	T10000003511
Area:	Not reported
Sub Area:	Not reported
Site Type:	LANDFILL
Status:	COMPLETED - CASE CLOSED
Agency:	SWRCB
Covenant Uploaded:	Y
Deed Date(s):	04/22/2015
File Name:	Geotracker Land Use/Deed Restrictions

Name: AMERON INTERNATIONAL CORP., BRINE FACILITY (CLOSED)

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Address: 12455 ARROW ROUTE
City,State,Zip: ETIWANDA, CA 91739
Envirostor ID: T10000003511
Area: Not reported
Sub Area: Not reported
Site Type: LANDFILL
Status: COMPLETED - CASE CLOSED
Agency: SWRCB
Covenant Uploaded: Y
Deed Date(s): 07/27/2007
File Name: Geotracker Land Use/Deed Restrictions

CHMIRS:

Name:	Not reported
Address:	12455 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739
OES Incident Number:	08-3271
OES notification:	05/05/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	2145
Year:	2008
Agency:	Ameron Int

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Incident Date:	3/14/2007
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	50
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	***HISTORICAL REPORT*** RP states that while fueling a truck, it was over filled causing a release onto the ground.
Name:	Not reported
Address:	12455 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739
OES Incident Number:	12-2072
OES notification:	04/09/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	storm drain
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1400
Year:	2012
Agency:	AMERON Env
Incident Date:	4/6/2012
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	storm drain
E Date:	Not reported
Substance:	Ph Water
Quantity Released:	500-1000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A valve was stuck open causing the water to flow to a storm drain which is contained in the storm drain.

LDS:

Name:	AMERON INTERNATIONAL CORP., BRINE FACILITY (CLOSED)
Address:	12455 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739
Global Id:	T10000003511
Latitude:	34.09452
Longitude:	-117.5324
Case Type:	Land Disposal Site
Status:	Completed - Case Closed
Status Date:	07/21/2016
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Caseworker:	JPL
Local Agency:	Not reported

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

RB Case Number:	8 362001001
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Soil
EDR Link ID:	T10000003511
Potential Contaminants of Concern:	Other inorganic / salt
EPA Region:	9
Coordinate Source:	Not reported
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	01/26/2012
Leak Reported Date:	Not reported
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	07/21/2016
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	76-80%
CA Enviroscreen 4 Score:	65-70%
Military DOD Site:	No
Facility Project Subtype:	Title 27 - Surface Impoundment
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Pond Construction - The SARWQCB records indicate that a wastewater pond was installed at the site in September 1966. The pond was used to hold industrial wastewater on-site. Brine Pond Permitting - The SARWQCB approved the operation of the pond under Resolution 66-26, which required testing of the effluent every two months. In 1967, site operations arranged for the construction of a small saline discharge pond to hold the waste segregated from the water softening process. Brine Pond Expansion - A larger brine pond was constructed on-site in 1970. The expanded pond was reportedly lined with polyethylene. The SARWQCB updated the site s waste discharge requirements in Resolution 70-22 in 1970. Permitting - The SARWQCB updated the 1976 Resolution with a Monitoring and Reporting Program Order (No. 82-142) in 1982 for industrial wastewater discharge monitoring at the site. The order No. 82-142 outlines ongoing monitoring and reporting of recycled cure yard water. Request for Soil Investigation - In 1994, the SARWQCB noted the brine pond had a liner fabricated with polyvinylchloride (PVC); however, the barrier was not equipped with a leak detection system. The SARWQCB requested soil sampling around the brine pond to evaluate soil impacts associated with the liner leakage. The memo also stated that use of the pond had to cease while pond retrofitting was implemented. If contamination was found to exist below the pond, which could not be removed by soil excavation, then a surface cap would have to be constructed to prevent water infiltration. Discharges to the brine pond ceased in March 1994. Brine Pond Abandonment Work Plan - On August 18, 1994, a brine pond abandonment work plan was prepared and submitted to the SARWQCB to conduct the following: (1) evaporate the water in the soil; (2) remove the soil above the pond liner; (3) remove the pond liner; (4) conduct field analytical tests, and; (5) submit samples to the laboratory for testing. Liner Removal,

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Excavation, and Soil Disposal - A report prepared by Hemphill Green and Associates indicates that the liner from the brine pond was removed in October of 1994 and 555 tons of soil were removed from the site. Soil Investigation - On June 29, 1995, subsurface soil samples were collected and a soil investigation report was prepared. Based on a subsurface investigation, subsurface soil had been impacted above SARWQCB limits by the pond wastewater which had leaked through the liner material. Lateral Delineation - It was determined that the lateral extent of total dissolved solids (TDS) impacts was delineated. In 2005, all the liquid had been removed from the pond, material above the liner was removed, and the pond was backfilled with approximately 6.5 feet of compacted fill from the site. An engineered brine pond cap had been placed on the former pond in accordance with the technical specifications approved by the SARWQCB. Closure Report - The Final Cap Closure Report was approved by the SARWQCB in 2007. A Declaration of Restrictions was signed during the same year. An annual cap monitoring and maintenance plan is in effect at the site. Cap and Liner Design - Encon installed a cap that incorporated a reinforced block retaining wall, backfill material, and a 30-mil polyvinyl liner over the brine pond area for leak detection (Figure 6). The brine pond area abandonment and cap construction were performed based on the Encon Brine Pond Permanent Cap Work Plan (ENCON, 2003). The 30-mil liner was installed between a 6-inch layer of sand below the liner, and a 12- inch layer of sand above the liner. An 8-inch thick concrete rebar-reinforced cap was installed above the liner with a 6-inch gravel base. The purpose of the cap is to prevent infiltration of water through the TDS-impacted soil and to prevent migration of TDS mass into the aquifer. The purpose of the liner is to act as a secondary barrier; combined with a monitoring well, it is designed to detect and contain cap leaks. Goodman Birtcher acquired the Ameron site property in late 2013, and redeveloped the site into a warehouse distribution center, Goodman Logistic Center. The existing brine pond cap has been modified and the former brine pond area has been used as a parking lot. Board files for this case has been renamed from "Ameron Pipe Division, Southern California (Arrow Plant), Etiwanda" to "Goodman Logistic Center, Rancho Cucamonga"

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

ENF:

Name:	ETIWANDA FACILITY
Address:	12455 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739
Region:	8
Facility Id:	222993
Agency Name:	Ameron International - Water Transmission Group
Place Type:	Manufacturing
Place Subtype:	Concrete Manufacturing
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.099071
Place Longitude:	-117.534015
SIC Code 1:	3272
SIC Desc 1:	Concrete Products, Except Block and Brick

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.0001
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRINDIVLRG
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	8 362001001
Reg Measure Id:	137750
Reg Measure Type:	WDR
Region:	8
Order #:	82-142
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	11/02/2011
Effective Date:	05/14/1982
Expiration/Review Date:	05/10/1997
Termination Date:	10/28/2011
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:	15 - WDRs pending rescission
Direction/Voice:	Passive
Enforcement Id(EID):	244735
Region:	8
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	01/30/2003
Adoption/Issuance Date:	Not reported

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Achieve Date:	Not reported
Termination Date:	01/30/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 8 362001001
Description:	Not reported
Program:	WDRINDIVLRG
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

Name:	ETIWANDA FACILITY
Address:	12455 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739
Region:	8
Facility Id:	222993
Agency Name:	Not reported
Place Type:	Manufacturing
Place Subtype:	Concrete Manufacturing
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	34.099071
Place Longitude:	-117.534015
SIC Code 1:	3272
SIC Desc 1:	Concrete Products, Except Block and Brick
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	382959
Region:	8
Order / Resolution Number:	Not reported
Enforcement Action Type:	13267 Letter
Effective Date:	06/20/2007
Adoption/Issuance Date:	06/20/2007
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	13267 for Ameron International - Etiwanda
Description:	Requiring Ameron International to inspect and maintain the closure cap for the closed brine pond at the site in accordance with the cap maintenance program approved by Board staff on June 20, 2007 (see attached). The cap inspection and maintenance program was revised via the Board's March 13, 2012 letter (see attachments).
Program:	LNDISPOTH
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

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

San Bern. Co. Permit:
Name: AMERON INTERNATIONAL WATER TRANSMISSION GROUP
Address: 12455 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000929
Owner: AMERON INTERNATIONAL
Permit Number: PT0020272
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: INACTIVE
Expiration Date: 08/31/2014

Name: AMERON INTERNATIONAL WATER TRANSMISSION GROUP
Address: 12455 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000929
Owner: AMERON INTERNATIONAL
Permit Number: PT0002252
Permit Category: HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status: INACTIVE
Expiration Date: 08/31/2014

Name: AMERON INTERNATIONAL WATER TRANSMISSION GROUP
Address: 12455 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000929
Owner: AMERON INTERNATIONAL
Permit Number: PT0002253
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 08/31/2014

Name: AMERON INTERNATIONAL WATER TRANSMISSION GROUP
Address: 12455 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000929
Owner: AMERON INTERNATIONAL
Permit Number: PT0020271
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 08/31/2013

WDS:
Name: STORMETIWANDA
Address: 12455 ARROW ROUTE
City: ETIWANDA
Facility ID: Santa Ana River 36I007020
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.

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	8
Facility Telephone:	Not reported
Facility Contact:	Not reported
Agency Name:	AMERON PIPE CORP
Agency Address:	12455 ARROW ROUTE
Agency City,St,Zip:	ETIWANDA 91739
Agency Contact:	KIRK BATHGATE
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Name:	ETIWANDA FACILITY
Address:	12455 ARROW ROUTE
City:	ETIWANDA
Facility ID:	Santa Ana River 362001001
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:	Not reported
Subregion:	8
Facility Telephone:	Not reported
Facility Contact:	KIRK BATHGATE
Agency Name:	AMERON PIPE CORP
Agency Address:	12455 ARROW ROUTE

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Agency City,St,Zip:	ETIWANDA 91739
Agency Contact:	KIRK BATHGATE
Agency Telephone:	Not reported
Agency Type:	Private
SIC Code:	3272
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	PROCES
Waste Type2:	Not reported
Waste2:	Process Waste (Waste produced as part of the industrial/manufacturing process)
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

CIWQS:

Name:	AMERON CONC & STEEL PIPE GRP
Address:	12455 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739
Agency:	Ameron International
Agency Address:	12455 Arrow Rte, Etiwanda, CA 91739
Place/Project Type:	Industrial - Concrete Products, Except Block and Brick
SIC/NAICS:	3272(+)
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I007020
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	06/27/1992
Termination Date:	06/05/2014
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.09905
Longitude:	-117.53405
Name:	ETIWANDA FACILITY
Address:	12455 ARROW ROUTE
City,State,Zip:	ETIWANDA, CA 91739
Agency:	Ameron International - Water Transmission Group
Agency Address:	12455 Arrow Route, Etiwanda, CA 91739
Place/Project Type:	Concrete Manufacturing
SIC/NAICS:	3272
Region:	8
Program:	WDRINDIVLRG
Regulatory Measure Status:	Historical
Regulatory Measure Type:	WDR
Order Number:	82-142
WDID:	8 362001001
NPDES Number:	Not reported
Adoption Date:	05/14/1982
Effective Date:	05/14/1982
Termination Date:	10/28/2011
Expiration/Review Date:	05/10/1997
Design Flow:	0.0001
Major/Minor:	Not reported
Complexity:	B
TTWQ:	3
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.099071
Longitude:	-117.534015
Name:	GOODMAN LOGISTICS CENTER
Address:	12455 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	goodman rancho spe llc
Agency Address:	18201 von karman ave suite 1170, Irvine, CA 92612
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 36C368827
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	01/31/2014
Termination Date:	12/29/2015
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0

GOODMAN LOGISTICS CENTER (Continued) **S104156558**

Violations within 5 years: 0
Latitude: 34.098035
Longitude: -117.527665

CERS:
Name: ETIWANDA FACILITY
Address: 12455 ARROW ROUTE
City,State,Zip: ETIWANDA, CA 91739
Site ID: 314231
CERS ID: 222993
CERS Description: Waste Discharge Requirements

Enforcement Action:
Site ID: 314231
Site Name: Etiwanda Facility
Site Address: 12455 ARROW ROUTE
Site City: ETIWANDA
Site Zip: 91739
Enf Action Date: 06-20-2007
Enf Action Type: Enforcement Letter (Formal)
Enf Action Description: Enforcement Letter Citing Violations and with Required Actions (Formal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: UNSPEC
Enf Action Source: CIWQS,

Site ID: 314231
Site Name: Etiwanda Facility
Site Address: 12455 ARROW ROUTE
Site City: ETIWANDA
Site Zip: 91739
Enf Action Date: 01-30-2003
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: UNSPEC
Enf Action Source: CIWQS,

Name: AMERON INTERNATIONAL CORP., BRINE FACILITY (CLOSED)
Address: 12455 ARROW ROUTE
City,State,Zip: ETIWANDA, CA 91739
Site ID: 633854
CERS ID: T10000003511
CERS Description: Land Disposal Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: JOANNE LEE - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

60
WNW
1/4-1/2
0.395 mi.
2087 ft.

SOIL TREATMENT, RANCHO CUCAMON
12167 ARROW ROUTE
RANCHO CUCAMONGA CA, CA 91739

WMUDS/SWAT **S104156583**
N/A

Relative:
Higher

Actual:
1143 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
Primary Waste:	CNSOIL
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
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:	Private
Agency Name:	THE SOIL REFINERY, INC.
Agency Department:	Not reported
Agency Address:	1802 EAST 'G' ST., SUITE 'D'
Agency City,St,Zip:	ONTARIO CA 917644412
Agency Contact:	DOMENIC MUNI
Agency Telephone:	9099860770
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	8
Facility Type:	Solid Waste Site-Class II - A solid waste facility at which designated wastes may be treated or stored.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	4959
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic

SOIL TREATMENT, RANCHO CUCAMON (Continued) **S104156583**

or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.

Sub Chapter 15:	True
Regional Board Project Officer:	Not reported
Number of WMUDS at Facility:	0
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	H
Self-Monitoring Rept. Frequency:	Monthly Submittal
Waste Discharge System ID:	8 362420001
Solid Waste Information ID:	Not reported

61
WSW
1/4-1/2
0.420 mi.
2216 ft.

FOSECO CUCAMONGA
7TH ST OFF ROCHESTER AVE
RANCHO CUCAMONGA, CA 91730

SEMS-ARCHIVE **1000200995**
RCRA-SQG **CAD053844395**
ENVIROSTOR
HIST UST

Relative:
Lower

Actual:
1107 ft.

SEMS Archive:

Site ID:	0901435
EPA ID:	CAD053844395
Name:	FOSECO INC
Address:	7TH ST OFF ROCHESTER AVE
Address 2:	Not reported
City,State,Zip:	RANCHO CUCAMONGA, CA 91730
Cong District:	35
FIPS Code:	06071
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0901435
EPA ID:	CAD053844395
Site Name:	FOSECO INC
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1988-11-01 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0901435
EPA ID:	CAD053844395
Site Name:	FOSECO INC
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1981-05-01 04:00:00

FOSECO CUCAMONGA (Continued) **1000200995**

Finish Date: 1981-05-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901435
EPA ID: CAD053844395
Site Name: FOSECO INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1988-11-01 05:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901435
EPA ID: CAD053844395
Site Name: FOSECO INC
NPL: N
FF: N
OU: 00
Action Code: HX
Action Name: PRE-CERC
SEQ: 1
Start Date: Not reported
Finish Date: 2000-08-03 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0901435
EPA ID: CAD053844395
Site Name: FOSECO INC
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 2
Start Date: 1984-10-01 05:00:00
Finish Date: 1985-02-01 06:00:00
Qual: L
Current Action Lead: St Perf

RCRA Listings:
Date Form Received by Agency: 19960901
Handler Name: Foseco Cucamonga
Handler Address: 7TH ST OFF ROCHESTER AVE
Handler City,State,Zip: RANCHO CUCAMONGA, CA 91730
EPA ID: CAD053844395
Contact Name: Not reported

FOSECO CUCAMONGA (Continued) **1000200995**

Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Ca
State District:	4
Mailing Address:	PO BOX 219
Mailing City,State,Zip:	RANCHO CUCAMONGA, CA 91730
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Not Required
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No

FOSECO CUCAMONGA (Continued) **1000200995**

Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: NOT REQUIRED	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name: FOSECO CUCAMONGA	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Ca
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19820203
Handler Name: FOSECO CUCAMONGA	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Ca
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported

FOSECO CUCAMONGA (Continued) **1000200995**

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

ENVIROSTOR:
Name: FOSECO, INC
Address: 7TH STREET OFF ROCHESTER AVENUE
City,State,Zip: RANCHO CUCAMONGA, CA 91730
Facility ID: 36280006
Status: Refer: Other Agency
Status Date: 08/22/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: Not reported
Senate: Not reported
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 0
Longitude: 0
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HYDROCARBON SOLVENTS * OTHER ORGANIC SOLIDS * POLYMERIC RESIN WASTE Not reported
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD053844395
Alias Type: EPA Identification Number
Alias Name: 110008262192
Alias Type: EPA (FRS #)
Alias Name: 36280006
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/01/1995
Comments: DATABASE VALIDATION CONFIRMS NFA FOR DTSC.

FOSECO CUCAMONGA (Continued) **1000200995**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/21/1984
Comments: T/C WITH W.R.RAE, FOSECO, (216)826-4548, 6/14/84 - 1) SOURCE ACT: MFG OF FOUNDRY SUPPLIES. 2) FAC TYPE: 40 FOOT DISPOSAL DISCHARGE. 3) WASTE TYPE: PROCESS EFFLU- ENT ON SURFACE AS SOLIDS. COMPOS-UREA, PHENOLIC TYPE RESIN WASTES & POSSIBLY FORMALDEHYDE 500 TO 700 GAL/MONTH, 99% WATER AND SAND; CURRENTLY CO OPERATES A WAREHOUSE. FINAL STRATEGY RECOMMENDATION: SAMPLING FOR MIGRATION OF EFFLUENT OFFSITE SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/12/1983
Comments: FACILITY IDENTIFIED ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 12/21/1982
Comments: FACILITY IDENTIFIED WADE'S QUESTIONNAIRE (1980) CHEMICAL MFG

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

HIST UST:
Name: FOSECO INC
Address: 7TH STREET OFF ROCHESTER
City,State,Zip: RANCHO CUCAMONGA, CA 91730
File Number: 00029ec2
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00029ec2.pdf
Region: STATE
Facility ID: 00000021440
Facility Type: Other
Other Type: STEELMILL AND FOUNDR
Contact Name: LUIS NEZARRO
Telephone: 7149876257
Owner Name: FOSECO, INC.
Owner Address: 20200 SHELDON ROAD
Owner City,St,Zip: CLEVELAND, OH 44142
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: REGULAR

FOSECO CUCAMONGA (Continued) **1000200995**

Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

L62 **BTC III ARROW ROUTE** **ENVIROSTOR** **S105557570**
NW **12451 ARROW ROUTE** **VCP** **N/A**
1/4-1/2 **RANCHO CUCAMONGA, CA 91739** **NPDES**
0.442 mi. **San Bern. Co. Permit**
2333 ft. **Site 1 of 4 in cluster L** **CIWQS**
CERS

Relative:
Higher

Actual:
1164 ft.

ENVIROSTOR:

Name:	BTC III ARROW ROUTE
Address:	12451 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	36340066
Status:	Active
Status Date:	08/24/2022
Site Code:	400885
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Agreement
Acres:	95
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Sara Vela
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Assembly:	50
Senate:	29
Special Program:	Voluntary Agreement - Standard Voluntary Agreement
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	34.09794
Longitude:	-117.5341
APN:	22912135
Past Use:	MANUFACTURING - METAL
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NMA
Alias Name:	FONTANA STEEL, INC.
Alias Type:	Alternate Name
Alias Name:	022912135
Alias Type:	APN
Alias Name:	110008061649
Alias Type:	EPA (FRS #)
Alias Name:	400885

BTC III ARROW ROUTE (Continued) **S105557570**

Alias Type: Project Code (Site Code)
Alias Name: 36340066
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: 12/20/2001
Comments: PEA completed with no further action (NFA) determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 12/22/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement (Docket Number HSA-A 00/01-153) with Fontana Steel, Inc. to provide oversight for a Preliminary Endangerment Assessment for the site.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Site Screening
Future Due Date: 2023
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

VCP:
Name: BTC III ARROW ROUTE
Address: 12451 ARROW ROUTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Facility ID: 36340066
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 95
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Sara Vela
Supervisor: Jose Diaz
Division Branch: Cleanup Chatsworth
Site Code: 400885
Assembly: 50
Senate: 29
Special Programs Code: Voluntary Agreement - Standard Voluntary Agreement
Status: Active
Status Date: 08/24/2022
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 34.09794 / -117.5341
APN: 22912135
Past Use: MANUFACTURING - METAL
Potential COC: NONE SPECIFIED,31000

BTC III ARROW ROUTE (Continued) **S105557570**

Confirmed COC: 31000
Potential Description: NMA
Alias Name: FONTANA STEEL, INC.
Alias Type: Alternate Name
Alias Name: 022912135
Alias Type: APN
Alias Name: 110008061649
Alias Type: EPA (FRS #)
Alias Name: 400885
Alias Type: Project Code (Site Code)
Alias Name: 36340066
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: 12/20/2001
Comments: PEA completed with no further action (NFA) determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 12/22/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement (Docket Number HSA-A 00/01-153) with Fontana Steel, Inc. to provide oversight for a Preliminary Endangerment Assessment for the site.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Site Screening
Future Due Date: 2023
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

NPDES:
Name: CMC REBAR ETIWANDA
Address: 12451 ARROW RTE
City,State,Zip: ETIWANDA, CA 91739
Facility Status: Terminated
NPDES Number: CAS000001
Region: 8
Agency Number: 0
Regulatory Measure ID: 213422
Place ID: Not reported
Order Number: 97-03-DWQ
WDID: 8 36I013647
Regulatory Measure Type: Enrollee
Program Type: Industrial
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 12/31/1997
Termination Date Of Regulatory Measure: 01/27/2022
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: PO Box 2219

BTC III ARROW ROUTE (Continued) **S105557570**

Discharge Name:	Fontana Steel
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91729
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213422
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I013647
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	12/31/1997
Status:	Active
Status Date:	12/31/1997
Place Size:	15.31
Place Size Unit:	Acres
Contact:	Eduardo Medina
Contact Title:	Not reported
Contact Phone:	909-899-9993
Contact Phone Ext:	Not reported
Contact Email:	eduardo.medina@cmc.com
Operator Name:	Fontana Steel
Operator Address:	PO Box 2219
Operator City:	Rancho Cucamonga
Operator State:	California
Operator Zip:	91729
Operator Contact:	Adam Raines
Operator Contact Title:	Not reported
Operator Contact Phone:	909-803-1555
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Adam.Raines@cmc.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California

BTC III ARROW ROUTE (Continued) **S105557570**

Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-899-9993
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River
Certifier:	Adam Raines
Certifier Title:	Operations Manager
Certification Date:	24-JUL-15
Primary Sic:	3499-Fabricated Metal Products, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213422
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I013647
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	12/31/1997
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Fontana Steel
Discharge Address:	PO Box 2219
Discharge City:	Rancho Cucamonga
Discharge State:	California
Discharge Zip:	91729
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported

BTC III ARROW ROUTE (Continued) **S105557570**

Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:

Name:	CMC REBAR ETIWANDA
Address:	12451 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0003266

BTC III ARROW ROUTE (Continued) **S105557570**

Owner: CMS STEEL FABRICATORS INC
Permit Number: PT0004318
Permit Category: HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status: INACTIVE
Expiration Date: 10/31/2022

Name: CMC REBAR ETIWANDA
Address: 12451 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003266
Owner: CMS STEEL FABRICATORS INC
Permit Number: PT0004319
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 10/31/2022

Name: CMC REBAR ETIWANDA
Address: 12451 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003266
Owner: CMS STEEL FABRICATORS INC
Permit Number: PT0036721
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: INACTIVE
Expiration Date: 10/31/2017

Name: CMC REBAR ETIWANDA
Address: 12451 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003266
Owner: CMS STEEL FABRICATORS INC
Permit Number: PT0010905
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 10/31/2017

Name: CMC REBAR ETIWANDA
Address: 12451 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0003266
Owner: CMS STEEL FABRICATORS INC
Permit Number: PT0025592
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 10/31/2013

CIWQS:
Name: CMC REBAR ETIWANDA
Address: 12451 ARROW RTE
City,State,Zip: ETIWANDA, CA 91739
Agency: Fontana Steel
Agency Address: PO Box 2219, Rancho Cucamonga, CA 91729
Place/Project Type: Industrial - Fabricated Metal Products, NEC

BTC III ARROW ROUTE (Continued) **S105557570**

SIC/NAICS:	3499
Region:	8
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I013647
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	12/31/1997
Termination Date:	01/27/2022
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.09905
Longitude:	-117.53413

CERS:

Name:	CMC REBAR ETIWANDA
Address:	12451 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739
Site ID:	20526
CERS ID:	91739FNTNS12451
CERS Description:	Toxic Release Inventory

Affiliation:

Affiliation Type Desc:	Company Official
Entity Name:	Adam Raines
Entity Title:	Operations Manager
Affiliation Address:	PO BOX 2219
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	,
Affiliation Type Desc:	Technical Contact
Entity Name:	Alberto D. Mendoza
Entity Title:	Not reported
Affiliation Address:	PO BOX 2219
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	9096467822,
Affiliation Type Desc:	Parent Company
Entity Name:	COMMERCIAL METALS CO
Entity Title:	Not reported
Affiliation Address:	PO BOX 2219
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported

BTC III ARROW ROUTE (Continued) **S105557570**

Affiliation Zip:	91739
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	Adam Raines
Entity Title:	Not reported
Affiliation Address:	PO BOX 2219
Affiliation City:	RANCHO CUCAMONGA
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91739
Affiliation Phone:	9098031555,

M63 **TAMCO** **ENVIROSTOR** **S101661358**
NNW **12549 ARROW HIGHWAY** **N/A**
1/4-1/2 **RANCHO CUCAMONGA, CA 91739**
0.443 mi.
2338 ft. **Site 1 of 4 in cluster M**

Relative:
Higher

Actual:
1164 ft.

ENVIROSTOR:

Name:	TAMCO
Address:	12549 ARROW HIGHWAY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility ID:	36330050
Status:	Refer: Other Agency
Status Date:	08/31/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Cypress
Assembly:	50
Senate:	29
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.09916
Longitude:	-117.5311
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* CONTAMINATED SOIL * BAGHOUSE WASTE Lead Cadmium and compounds Chromium VI Nickel
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	TAMCO
Alias Type:	Alternate Name
Alias Name:	36330050
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE

TAMCO (Continued) **S101661358**

Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	07/21/1995
Comments:	CERCLA PA conducted by EPA. No further action by EPA. No further action by DTSC. No evidence of release. It is a generator of hazardous waste in the County's jurisdiction. Referred to San Bernardino County.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

L64 **TI WIRE** **LUST** **S109035898**
NNW **12459 ARROW ROUTE** **AST** **N/A**
1/4-1/2 **RANCHO CUCAMONGA, CA 91739** **CHMIRS**
0.448 mi. **NPDES**
2368 ft. **Site 2 of 4 in cluster L** **San Bern. Co. Permit**
CIWQS
Relative: Higher **CERS**

Actual: 1164 ft.

LUST:

Name:	TAMCO
Address:	12459 ARROW HWY
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Lead Agency:	SAN BERNARDINO COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100309
Global Id:	T0607100309
Latitude:	34.1007265
Longitude:	-117.5235672
Status:	Completed - Case Closed
Status Date:	05/11/1994
Case Worker:	Not reported
RB Case Number:	083602379T
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	93063
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
EPA Region:	9
Coordinate Source:	* Historical Geocode - Zip Code Match
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	11/04/1993
Leak Reported Date:	11/19/1993
How Discovered:	Tank Closure
How Discovered Description:	Not reported
Discharge Source:	Other
Discharge Cause:	Unknown
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	05/11/1994

TI WIRE (Continued) **S109035898**

CA Water Watershed Name: Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name: Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 91-95%
CA Enviroscreen 4 Score: 65-70%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: SANTA ANA RWQCB (REGION 8)
Site History: Not reported

LUST:
Global Id: T0607100309
Contact Type: Regional Board Caseworker
Contact Name: MAILE SEEGER GEE
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 MAIN STREET, SUITE 500
City: RIVERSIDE
Email: maile.gee@waterboards.ca.gov
Phone Number: 9517824379

LUST:
Global Id: T0607100309
Action Type: Other
Date: 11/04/1993
Action: Leak Discovery

Global Id: T0607100309
Action Type: Other
Date: 11/19/1993
Action: Leak Reported

Global Id: T0607100309
Action Type: ENFORCEMENT
Date: 05/11/1994
Action: Closure/No Further Action Letter

Global Id: T0607100309
Action Type: Other
Date: 11/04/1993
Action: Leak Stopped

LUST:
Global Id: T0607100309
Status: Open - Case Begin Date
Status Date: 11/04/1993

Global Id: T0607100309
Status: Completed - Case Closed
Status Date: 05/11/1994

AST:
Name: TERVITA LLC
Address: 12459 ARROW RTE
City/Zip: RANCHO CUCAMONGA,91739
Certified Unified Program Agencies: Not reported

TI WIRE (Continued) **S109035898**

Owner:	TERVITA
Total Gallons:	Not reported
CERSID:	10313566
Facility ID:	FA0014680
Business Name:	TERVITA LLC
Phone:	(951) 287-8854
Fax:	Not reported
Mailing Address:	12459 ARROW ROUTE
Mailing Address City:	RANCHO CUCAMONGA
Mailing Address State:	CA
Mailing Address Zip Code:	91739
Operator Name:	TERVITA LLC
Operator Phone:	(951) 287-8854
Owner Phone:	(909)899-7504
Owner Mail Address:	500-140 10th Ave SE AB
Owner State:	AB
Owner Zip Code:	Not reported
Owner Country:	Canada
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CA1000385141

CHMIRS:

Name:	Not reported
Address:	12459 ARROW HIGHWAY
City,State,Zip:	RANCHO CUCAMONGA, CA 91761
OES Incident Number:	7-1917
OES notification:	03/26/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported

TI WIRE (Continued) **S109035898**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
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:	Tamco
Incident Date:	3/26/2007 12:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Radioactive object
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	03/26/07 at 1330 hours, truck pulled up to the Tamco Scrap metal facility and when Tamco did a radiological reading it caused an alarm. Measured at 3050cps.

NPDES:

Name:	TI WIRE
Address:	12459 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36I003788
Regulatory Measure Type:	Industrial

TI WIRE (Continued) **S109035898**

Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	04/03/1992
Operator Name:	Tree Island Wire USA Inc
Operator Address:	5080 Hallmark Pkwy
Operator City:	San Bernardino
Operator State:	California
Operator Zip:	92407

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213169
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I003788
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/03/1992
Status:	Active
Status Date:	04/03/1992
Place Size:	17
Place Size Unit:	Acres
Contact:	Eric Jensen
Contact Title:	EHS Compliance Manager
Contact Phone:	909-590-0123
Contact Phone Ext:	Not reported
Contact Email:	ejensen@treeisland.com
Operator Name:	TI Wire USA
Operator Address:	3880 W Valley Blvd
Operator City:	Walnut
Operator State:	California
Operator Zip:	91789
Operator Contact:	Krish Singh
Operator Contact Title:	Operations Manager
Operator Contact Phone:	909-899-1673
Operator Contact Phone Ext:	Not reported

TI WIRE (Continued) **S109035898**

Operator Contact Email:	ksingh@treeisland.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-899-1673
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Day Creek Santa Ana River
Certifier:	Eric Jensen
Certifier Title:	Environmental Health and Safety Compliance Manager
Certification Date:	20-APR-15
Primary Sic:	3315-Steel Wiredrawing and Steel Nails and Spikes
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213169
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I003788
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/03/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Tree Island Wire USA Inc
Discharge Address:	5080 Hallmark Pkwy
Discharge City:	San Bernardino
Discharge State:	California
Discharge Zip:	92407
Received Date:	Not reported

TI WIRE (Continued) **S109035898**

Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

TI WIRE (Continued) **S109035898**

Name:	TI WIRE
Address:	12459 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	213169
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 36I003788
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/03/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	5080 Hallmark Pkwy
Discharge Name:	Tree Island Wire USA Inc
Discharge City:	San Bernardino
Discharge State:	California
Discharge Zip:	92407
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213169
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I003788
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	04/03/1992
Status:	Active
Status Date:	04/03/1992
Place Size:	17
Place Size Unit:	Acres
Contact:	Eric Jensen
Contact Title:	EHS Compliance Manager

TI WIRE (Continued) **S109035898**

Contact Phone:	909-590-0123
Contact Phone Ext:	Not reported
Contact Email:	ejensen@treeisland.com
Operator Name:	TI Wire USA
Operator Address:	3880 W Valley Blvd
Operator City:	Walnut
Operator State:	California
Operator Zip:	91789
Operator Contact:	Krish Singh
Operator Contact Title:	Operations Manager
Operator Contact Phone:	909-899-1673
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	ksingh@treeisland.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-899-1673
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Day Creek Santa Ana River
Certifier:	Eric Jensen
Certifier Title:	Environmental Health and Safety Compliance Manager
Certification Date:	20-APR-15
Primary Sic:	3315-Steel Wiredrawing and Steel Nails and Spikes
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213169
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported

TI WIRE (Continued) **S109035898**

WDID:	8 36I003788
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/03/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Tree Island Wire USA Inc
Discharge Address:	5080 Hallmark Pkwy
Discharge City:	San Bernardino
Discharge State:	California
Discharge Zip:	92407
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported

TI WIRE (Continued) **S109035898**

Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:

Name:	TERVITA LLC
Address:	12459 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0014680
Owner:	TERVITA
Permit Number:	PT0034952
Permit Category:	APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status:	INACTIVE
Expiration Date:	08/31/2019

Name:	TERVITA LLC
Address:	12459 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0014680
Owner:	TERVITA
Permit Number:	PT0025616
Permit Category:	HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status:	INACTIVE
Expiration Date:	08/31/2019

Name:	TERVITA LLC
Address:	12459 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	SAN BERNARDINO
Facility ID:	FA0014680
Owner:	TERVITA
Permit Number:	PT0025617
Permit Category:	SMALL QUANTITY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	08/31/2018

CIWQS:

Name:	TI WIRE
Address:	12459 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Agency:	Tree Island Wire USA Inc
Agency Address:	5080 Hallmark Pkwy, San Bernardino, CA 92407
Place/Project Type:	Industrial - Steel Wiredrawing and Steel Nails and Spikes
SIC/NAICS:	3315
Region:	8
Program:	INDSTW

TI WIRE (Continued) **S109035898**

Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	8 36I003788
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	04/03/1992
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.09905
Longitude:	-117.53397

CERS:

Name:	TI WIRE
Address:	12459 ARROW ROUTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	544444
CERS ID:	233054
CERS Description:	Industrial Facility Storm Water

Evaluation:

Eval General Type:	Case Development Inspection
Eval Date:	06-26-2013
Violations Found:	No
Eval Type:	Industrial Storm Water Enforcement Follow-up
Eval Notes:	See attachments for inspection report.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,

Eval General Type:	Case Development Inspection
Eval Date:	05-19-2009
Violations Found:	No
Eval Type:	Industrial Storm Water Enforcement Follow-up
Eval Notes:	Meeting of four companies to address pollutant loads issues. Staff met with four companies to address the undersized stormwater treatment system on Tamco’s property, due to the high stormwater run-offs draining towards it from the adjacent properties to the north, north-east, and eastern borders. At least two representatives from each company are present at the meeting to discuss Tamco’s treatment system expansion, or each company will establish its own treatment system its property stormwater run-off. Stormwater samples analysis report from annual reports submitted to the Board by the four companies for 2004-2005 to 2007-2008 were presented by RB staff for discussion. Based on the analytical results, each company confirmed the need for corrective action and and acknowledged that the issues will be dealt with swifty.
Eval Division:	Water Boards
Eval Program:	INDSTW
Eval Source:	SMARTS,

TI WIRE (Continued) **S109035898**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-09-2009
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: Staff arrived at 1300: At the request of Mr. Peter Maitland, the technical services manager engineer from main headquarter in Canada (pmaitland@treeisland.com), staff visited the site to discuss options in retrofitting new structural BMPs for the site. With him is Harold Manifold, the director of operations from HQ (hmanifold@treeisland.com), and the various colleges from the past meetings during the four companies gathering to discuss about the Tamco's undersized treatment systems for all four companies. Tree Island had contacted various consultants and engineers to pre-calculate the required structural upgrades, as well as the treatment systems' options for retrofitting, in order to meet the EPA multi-sector benchmarks for their exceeding stormwater samples parameters. In addition, Tree Island also would like to prevent any discharge of stormwater run-off, treated or untreated, onto Tamco's property, located south and southwest of its property. Tree Island's preliminary conclusion is to perform an aerial and land survey of its property, including property borders assessment, a possibility of a structural trench line for diverting all stormwater run-offs to the eastern culvert/ditch, which ultimately discharges directly to the energy company about 2000 feet downstream, by-passing Tamco s treatment systems completely. Due to the economy, Tree Island is unable to perform drastic structural modification. However, the company is doing everything it could within its meager budget for stormwater improvement project without causing the company to file for bankruptcy. The company will provide Board staff with updates within a month or two. Awaiting updates from company.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Tree Island Wire USA Inc
Entity Title: Operator
Affiliation Address: 5080 Hallmark Pkwy
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92407
Affiliation Phone: ,

Name: TAMCO
Address: 12459 ARROW HWY
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Site ID: 688977
CERS ID: T0607100309
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: MAILE SEEGER GEE - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported

TI WIRE (Continued) **S109035898**

Affiliation Address:	3737 MAIN STREET, SUITE 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9517824379,

L65 **AMERON STEEL AND WIRE** **LUST** **S100929496**
NNW **12459 ARROW HWY** **Cortese** **N/A**
1/4-1/2 **ETIWANDA, CA 91769**
0.454 mi.
2397 ft. **Site 3 of 4 in cluster L**

Relative:
Higher

Actual:
1165 ft.

LUST REG 8:

Name:	AMERON STEEL AND WIRE
Address:	12459 ARROW HWY
City:	ETIWANDA
Region:	8
County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083600432T
Local Case Num:	90047
Case Type:	Soil only
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	None Taken
Funding:	Not reported
How Discovered:	OM
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0607100046
How Stopped Date:	9/25/1989
Enter Date:	3/6/1987
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	11/1/1989
Discover Date:	9/25/1989
Enforcement Date:	1/1/1965
Close Date:	12/4/1990
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	2/13/1990
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	3/6/1987
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	No
Oversite Program:	LUST
Latitude:	34.1007265
Longitude:	-117.5235672
MTBE Date:	Not reported

AMERON STEEL AND WIRE (Continued) **S100929496**

Max MTBE GW:	Not reported
MTBE Concentration:	0
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
MTBE Class:	*
Staff:	CAB
Staff Initials:	CR2
Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported

Summary: Not reported

CORTESE:

Name:	AMERON STEEL AND WIRE
Address:	12459 ARROW HWY
City,State,Zip:	ETIWANDA, CA 91769
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607100046
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

L66 **AMERON STEEL AND WIRE** **HIST CORTESE** **S105023682**
NNW **12459 ETIWANDA** **N/A**
1/4-1/2 **ETIWANDA, CA 91769**
0.456 mi.
2410 ft. **Site 4 of 4 in cluster L**

Relative:
Higher

Actual:
1165 ft.

HIST CORTESE:

edr_fname:	AMERON STEEL AND WIRE
edr_fadd1:	12459 ETIWANDA
City,State,Zip:	ETIWANDA, CA 91769
Region:	CORTESE
Facility County Code:	36
Reg By:	LTNKA
Reg Id:	083600432T

M67 **AIR LIQUIDE** **LUST** **S102285674**
NNW **12550 ARROW RTE** **Cortese** **N/A**
1/4-1/2 **RANCHO CUCAMONGA, CA 91739**
0.458 mi.
2416 ft. **Site 2 of 4 in cluster M**

Relative: **Higher**
Actual: **1165 ft.**

LUST REG 8:

Name:	AIR LIQUIDE
Address:	12550 ARROW RTE
City:	RANCHO CUCAMONGA
Region:	8
County:	San Bernardino
Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083602729T
Local Case Num:	95054
Case Type:	Soil only
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site
Cross Street:	ETIWANDA
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	Piping
Global ID:	T0607100393
How Stopped Date:	10/5/1995
Enter Date:	12/14/1995
Date Confirmation of Leak Began:	Not reported
Date Preliminary Assessment Began:	Not reported
Discover Date:	10/25/1991
Enforcement Date:	Not reported
Close Date:	2/27/1996
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	12/14/1995
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	34.0989766
Longitude:	-117.5237082
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	1
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	WDM
Staff Initials:	JC3

AIR LIQUIDE (Continued) **S102285674**

Lead Agency:	Local Agency
Local Agency:	36000L
Hydr Basin #:	UPPER SANTA ANA VALL
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	Not reported
Summary:	WASTE OIL ALSO

CORTESE:

Name:	AIR LIQUIDE
Address:	12550 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0607100393
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

M68 **AIR LIQUIDE** **HIST CORTESE** **S105023680**
NNW **12550 ARROW RT** **N/A**
1/4-1/2 **ETIWANDA, CA 91739**
0.458 mi.
2416 ft. **Site 3 of 4 in cluster M**

Relative:
Higher

Actual:
1165 ft.

HIST CORTESE:

edr_fname:	AIR LIQUIDE
edr_fadd1:	12550 ARROW RT
City,State,Zip:	ETIWANDA, CA 91739
Region:	CORTESE
Facility County Code:	36
Reg By:	LTNKA
Reg Id:	083602729T

M69 **AIR LIQUIDE** **LUST S105047589**
NNW **12550 ARROW RTE** **AST N/A**
1/4-1/2 **RANCHO CUCAMONGA, CA 91739** **NPDES**
0.458 mi. **San Bern. Co. Permit**
2416 ft. **Site 4 of 4 in cluster M** **CIWQS**
CERS

Relative: Higher

Actual: 1165 ft.

LUST:

Name:	AIR LIQUIDE
Address:	12550 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Lead Agency:	SAN BERNARDINO COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100393
Global Id:	T0607100393
Latitude:	34.0990552
Longitude:	-117.528988
Status:	Completed - Case Closed
Status Date:	02/27/1996
Case Worker:	JC
RB Case Number:	083602729T
Local Agency:	SAN BERNARDINO COUNTY
File Location:	Local Agency
Local Case Number:	95054
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
EPA Region:	9
Coordinate Source:	Google Geocode
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	10/25/1991
Leak Reported Date:	10/18/1995
How Discovered:	Tank Closure
How Discovered Description:	Not reported
Discharge Source:	Piping
Discharge Cause:	Unknown
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	02/27/1996
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	91-95%
CA Enviroscreen 4 Score:	65-70%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

LUST:

Global Id:	T0607100393
Contact Type:	Local Agency Caseworker - Primary Caseworker
Contact Name:	JACKSON CRUTSINGER
Organization Name:	SAN BERNARDINO COUNTY
Address:	620 SOUTH E STREET
City:	SAN BERNARDINO
Email:	jcrutsinger@sbcfire.org
Phone Number:	Not reported

AIR LIQUIDE (Continued) **S105047589**

LUST:
Global Id: T0607100393
Action Type: Other
Date: 10/25/1991
Action: Leak Discovery

Global Id: T0607100393
Action Type: Other
Date: 10/18/1995
Action: Leak Reported

Global Id: T0607100393
Action Type: ENFORCEMENT
Date: 02/27/1996
Action: Closure/No Further Action Letter

Global Id: T0607100393
Action Type: Other
Date: 10/05/1995
Action: Leak Stopped

Global Id: T0607100393
Action Type: REMEDIATION
Date: 10/08/1995
Action: Excavation

LUST:
Global Id: T0607100393
Status: Open - Case Begin Date
Status Date: 10/25/1991

Global Id: T0607100393
Status: Completed - Case Closed
Status Date: 02/27/1996

AST:
Name: AIR LIQUIDE INDUSTRIAL US LP
Address: 12550 ARROW RTE
City/Zip: RANCHO CUCAMONGA,91739
Certified Unified Program Agencies: Not reported
Owner: AIR LIQUIDE AMERICA US LP
Total Gallons: Not reported
CERSID: 10034866
Facility ID: FA0000720
Business Name: AIR LIQUIDE AMERICA
Phone: (909) 899-4641
Fax: (909) 899-4646
Mailing Address: 12550 ARROW RT
Mailing Address City: RANCHO CUCAMONGA
Mailing Address State: CA
Mailing Address Zip Code: 91739
Operator Name: Larry Rosson
Operator Phone: (951) 334-5975
Owner Phone: (713) 624-8000
Owner Mail Address: P O BOX 908

AIR LIQUIDE (Continued) **S105047589**

Owner State:	TX
Owner Zip Code:	77001
Owner Country:	United States
Property Owner Name:	Air Liquide
Property Owner Phone:	909-899-4641
Property Owner Mailing Address:	12550 ARROW RTE
Property Owner City:	RANCHO CUCAMONGA
Property Owner Stat :	CA
Property Owner Zip Code:	91739
Property Owner Country:	United States
EPAID:	Not reported

Name:	SCE-REDUCTION SUBSTATION
Address:	12550 ARROW
City/Zip:	RANCHO CUCAMONGA,
Certified Unified Program Agencies:	San Bernardino
Owner:	SOUTHERN CALIFORNIA EDISON
Total Gallons:	18,155
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

NPDES:

Name:	AIR LIQUIDE AMERICA CORP
Address:	12550 ARROW RTE
City,State,Zip:	ETIWANDA, CA 91739
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36I009170
Regulatory Measure Type:	Industrial
Program Type:	Not reported

AIR LIQUIDE (Continued) **S105047589**

Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	10/10/2016
Operator Name:	Air Liquide America Corp
Operator Address:	12550 Arrow Route
Operator City:	Etiwanda
Operator State:	California
Operator Zip:	91739

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213258
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I009170
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	09/23/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	11/08/1992
Status:	Terminated
Status Date:	10/10/2016
Place Size:	20
Place Size Unit:	Acres
Contact:	Larry Rosson
Contact Title:	Not reported
Contact Phone:	909-899-4641
Contact Phone Ext:	Not reported
Contact Email:	larry.rosson@airliquide.com
Operator Name:	Air Liquide America Corp
Operator Address:	12550 Arrow Route
Operator City:	Etiwanda
Operator State:	California
Operator Zip:	91739
Operator Contact:	Larry Rosson
Operator Contact Title:	Not reported
Operator Contact Phone:	909-899-4641
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	larry.rosson@airliquide.com

AIR LIQUIDE (Continued) **S105047589**

Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Day Creek Channel
Certifier:	Larry Rosson
Certifier Title:	Plant Manager
Certification Date:	24-JUL-15
Primary Sic:	2813-Industrial Gases
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Terminated
Agency Number:	0
Region:	8
Regulatory Measure ID:	213258
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I009170
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/08/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	09/23/2016
Discharge Name:	Air Liquide America Corp
Discharge Address:	12550 Arrow Route
Discharge City:	Etiwanda
Discharge State:	California
Discharge Zip:	91739
Received Date:	Not reported
Processed Date:	Not reported

AIR LIQUIDE (Continued) **S105047589**

Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

AIR LIQUIDE (Continued) **S105047589**

San Bern. Co. Permit:
Name: AIR LIQUIDE AMER CORP SLS
Address: 12550 ARROW RTE
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0000718
Owner: LIQUID AIR CORP/SALES
Permit Number: PT0006871
Permit Category: HAZMAT HANDLER 11-25 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 10/31/2002

Name: CAMERON WELDING SUPPLIES
Address: 12550 ARROW ROUTE HWY
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Region: SAN BERNARDINO
Facility ID: FA0007684
Owner: CAMERON WELDING SUPPLY, INC.
Permit Number: PT0013229
Permit Category: HAZMAT HANDLER 0-10 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 03/31/2009

CIWQS:
Name: AIR LIQUIDE AMERICA CORP
Address: 12550 ARROW RTE
City,State,Zip: ETIWANDA, CA 91739
Agency: Air Liquide America Corp
Agency Address: 12550 Arrow Route, Etiwanda, CA 91739
Place/Project Type: Industrial - Industrial Gases
SIC/NAICS: 2813
Region: 8
Program: INDSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 8 36I009170
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 11/08/1992
Termination Date: 09/23/2016
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.09906
Longitude: -117.53156

Name: AIR LIQUIDE PROCESS AND CONSTRUCTION INC
Address: 12550 ARROW RT
City,State,Zip: RANCHO CUCAMONGA, CA 91739
Agency: Air Liquide Industrial Us LP
Agency Address: 2700 Post Oak Blvd Ste 1800, Houston, TX 77056

AIR LIQUIDE (Continued) **S105047589**

Place/Project Type:	Construction - Industrial, Utility: wet dry high voltage, Transportation
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 36C358642
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	06/17/2010
Termination Date:	07/01/2013
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.1
Longitude:	-117.53083

CERS:

Name:	AIR LIQUIDE
Address:	12550 ARROW RTE
City,State,Zip:	RANCHO CUCAMONGA, CA 91739
Site ID:	632601
CERS ID:	T0607100393
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	JACKSON CRUTSINGER - SAN BERNARDINO COUNTY
Entity Title:	Not reported
Affiliation Address:	620 SOUTH E STREET
Affiliation City:	SAN BERNARDINO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

70
ENE
1/2-1
0.672 mi.
3547 ft.

Relative:
Higher

Actual:
1138 ft.

VISTA METALS CORP.
13425 WHITTRAM AVENUE
FONTANA, CA 92335

Database(s):
ENVIROSTOR
UST
AST
CERS HAZ WASTE
SWEEPS UST
HIST UST
CERS TANKS
CA FID UST
CHMIRS
TRIS
ICIS
FINDS
EMI
NPDES
San Bern. Co. Permit
WDS
CIWQS
CERS

EDR ID Number: **1000395229**
EPA ID Number: **92335VSTMT13425**

ENVIROSTOR:

Name:	VISTA METALS
Address:	13425-35 WHITTRAM
City,State,Zip:	FONTANA, CA 92335
Facility ID:	36340036
Status:	Refer: Other Agency
Status Date:	08/22/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	50
Senate:	29
Special Program:	* RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.09389
Longitude:	-117.5124
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* HALOGENATED SOLVENTS * ACID SOLUTION 2>PH WITH METALS * Sludge - Halogenated Compounds * UNSPECIFIED ACID SOLUTION * UNSPECIFIED ALKALINE SOLUTIONS * UNSPECIFIED AQUEOUS SOLUTION * ALKALINE SOLUTION 2<PH<12.5, WITH METALS Chromium VI
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD008285033
Alias Type:	EPA Identification Number
Alias Name:	36340036
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Completed Document Type: Site Screening
Completed Date: 02/08/1995
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 07/01/1984
Comments: SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/25/1983
Comments: FACILITY IDENTIFIED ID VIA RWQCB INACTIVE FILES BOX#45 PLATING COMPANY. CHLORINE DISCH 1977

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

UST:
Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Facility ID: 86008811
Permitting Agency: SAN BERNARDINO COUNTY
CERSID: Not reported
Latitude: 34.0956114
Longitude: -117.5110709
Owner type: Not reported
Facility type: Not reported
Num of inuse ust: Not reported
Num of closed ust: Not reported
Num of oos ust: Not reported
Epa region: Not reported
Tribal lands: Not reported
Tank owner name: Not reported
Tank owner mailing address: Not reported
Tank owner mailing city: Not reported
Tank owner mailing zip: Not reported
Tank owner mailing state: Not reported
Tank operator name: Not reported
Tank operator mailing address: Not reported
Tank operator mailing city: Not reported
Tank operator mailing zip: Not reported
Tank operator mailing state: Not reported
Tankidnumber: Not reported
Tank status: Not reported
Tank configuration: Not reported
Tank closure date: Not reported

VISTA METALS CORP. (Continued) **1000395229**

Tank installation date:	Not reported
Tank num of compartments:	Not reported
Tank contents:	Not reported
Tank capacity gallons:	Not reported
Tank type:	Not reported
Tank pc construction:	Not reported
Tank pwpiping construction:	Not reported
Tank piping type:	Not reported
Tank piping construction:	Not reported
Tank sacrificial anode:	Not reported
Tank cp impressed current:	Not reported
Tank cp shutoff:	Not reported
Tank alarms:	Not reported
Tank ball float:	Not reported
Tank spill bucket:	Not reported

AST:

Name:	VISTA METALS CORP
Address:	13425 WHITTRAM AVE
City/Zip:	FONTANA,92335
Certified Unified Program Agencies:	Not reported
Owner:	Vista Metals Corp.
Total Gallons:	Not reported
CERSID:	10046440
Facility ID:	FA0007161
Business Name:	VISTA METALS CORP
Phone:	909.823.4278
Fax:	909.823.5383
Mailing Address:	13425 Whittram Avenue
Mailing Address City:	Fontana
Mailing Address State:	CA
Mailing Address Zip Code:	92335
Operator Name:	Vista Metals Corp.
Operator Phone:	909.823.4278
Owner Phone:	909.823.4278
Owner Mail Address:	13425 Whittram Avenue
Owner State:	CA
Owner Zip Code:	92335
Owner Country:	United States
Property Owner Name:	Vista Metals Corp.
Property Owner Phone:	(909) 823-4278
Property Owner Mailing Address:	13425 Whittram Avenue
Property Owner City:	Fontana
Property Owner Stat :	CA
Property Owner Zip Code:	92335
Property Owner Country:	United States
EPAID:	CAD008285033

CERS HAZ WASTE:

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Site ID:	169445
CERS ID:	10046440
CERS Description:	Hazardous Chemical Management

VISTA METALS CORP. (Continued) **1000395229**

Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Site ID: 169445
CERS ID: 10046440
CERS Description: Hazardous Waste Generator

SWEEPS UST:
Name: VISTA METALS CORPORATION
Address: 13425 WHITRAM AVE
City: FONTANA
Status: Not reported
Comp Number: 3286
Number: Not reported
Board Of Equalization: 44-019864
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-040447-000002
Tank Status: Not reported
Capacity: 7500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 5

Name: VISTA METALS CORPORATION
Address: 13425 WHITRAM AVE
City: FONTANA
Status: Not reported
Comp Number: 3286
Number: Not reported
Board Of Equalization: 44-019864
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-040447-000003
Tank Status: Not reported
Capacity: 7500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Name: VISTA METALS CORPORATION
Address: 13425 WHITRAM AVE
City: FONTANA
Status: Not reported
Comp Number: 3286
Number: Not reported
Board Of Equalization: 44-019864
Referral Date: Not reported
Action Date: Not reported

VISTA METALS CORP. (Continued) **1000395229**

Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-040447-000004
Tank Status: Not reported
Capacity: 7500
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Name: VISTA METALS CORPORATION
Address: 13425 WHITRAM AVE
City: FONTANA
Status: Not reported
Comp Number: 3286
Number: Not reported
Board Of Equalization: 44-019864
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-040447-000005
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Name: VISTA METALS CORPORATION
Address: 13425 WHITRAM AVE
City: FONTANA
Status: Not reported
Comp Number: 3286
Number: Not reported
Board Of Equalization: 44-019864
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-040447-000006
Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: Not reported

Name: VISTA METALS CORPORATION
Address: 13425 WHITRAM AVE
City: FONTANA
Status: Active
Comp Number: 3286
Number: 9

VISTA METALS CORP. (Continued) **1000395229**

Board Of Equalization: 44-019864
Referral Date: 06-28-89
Action Date: 06-28-89
Created Date: 02-29-88
Owner Tank Id: #1
SWRCB Tank Id: 36-000-003286-000001
Tank Status: A
Capacity: 12000
Active Date: 06-28-89
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 1

HIST UST:
Name: VISTA METALS CORPORATION
Address: 13425 WHITRAM AVE
City,State,Zip: FONTANA, CA 92335
File Number: 0002aa09
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0002aa09.pdf
Region: STATE
Facility ID: 00000003286
Facility Type: Other
Other Type: ALUMINUM RECYCLYLE
Contact Name: Not reported
Telephone: 7148234278
Owner Name: VISTA METALS CORPORATION
Owner Address: 13425 WHITRAM AVE
Owner City,St,Zip: FONTANA, CA 92335
Total Tanks: 0007

Tank Num: 001
Container Num: #1
Year Installed: Not reported
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: #2
Year Installed: 1973
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 003
Container Num: #3
Year Installed: 1973
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

VISTA METALS CORP. (Continued) **1000395229**

Tank Num: 004
Container Num: #4
Year Installed: 1973
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 005
Container Num: #5
Year Installed: Not reported
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 006
Container Num: #6
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 007
Container Num: #7
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

CERS TANKS:
Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Site ID: 169445
CERS ID: 10046440
CERS Description: Aboveground Petroleum Storage

CA FID UST:
Facility ID: 36008337
Regulated By: UTNKA
Regulated ID: 00003286
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 13425 WHITRAM AVE
Mailing Address 2: Not reported

VISTA METALS CORP. (Continued) **1000395229**

Mailing City,St,Zip: FONTANA 92335
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

CHMIRS:

Name:	Not reported
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA
OES Incident Number:	3-2792
OES notification:	05/30/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	Vista Metals Corp.
Incident Date:	5/23/200312:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Chlorine
Gallons:	0.000000
Pounds:	2
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Shutting down operations for the weekend and an operator spilled substance.

Name:	Not reported
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
OES Incident Number:	9-3394
OES notification:	08/12/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	not possible
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1999
Agency:	Vista Middles Corp
Incident Date:	8/12/199912:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	No
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Chlorine
Pounds:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	1
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	After routine maitenance, maitenance worker forgot to put in a plug and inhaled some of the chlorine vapor. Worker sent to hospital. Has been released.

Facility, Chemical, Releases and Other Waste Management Summary Information:

TRI ID:	92335VSTMT13425
Form Type:	Form R
Reporting year:	2021
Trade secret indicator:	NO
Sanitized indicator:	NO
Title of certifying official:	DIRECTOR OF SPECIAL PROJECTS SHAYNE SEEVER
Certifying officials signature indicator:	ELECTRONIC
Date signed:	2022-06-16
Name:	VISTA METALS CORP.
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
BIA code:	Not reported
Tribe name:	Not reported
Mailing name:	VISTA METALS CORP.
Mailing street:	13425 WHITTRAM AVE

VISTA METALS CORP. (Continued) **1000395229**

Mailing province:	Not reported
Mailing City,State,Zip:	FONTANA, CA 92335
Entire facility ind:	YES
Partial facility ind:	NO
Federal facility ind:	NO
Goco facility ind:	NO
Assigned fed facility flag:	NO
Public contact name:	SHAYNE SEEVER
Public contact phone and Ext:	9098296129
Public contact email:	SHAYNE@VISTAMETALS.COM
Primary sic code:	Not reported
Sic code 2:	Not reported
Sic code 3:	Not reported
Sic code 4:	Not reported
Sic code 5:	Not reported
Sic code 6:	Not reported
Naics origin:	Not reported
Primary naics code:	331314
Naics code 2:	Not reported
Naics code 3:	Not reported
Naics code 4:	Not reported
Naics code 5:	Not reported
Naics code 6:	Not reported
Latitude:	34.0946
Longitude:	-117.51326
D and B number A:	008285033
D and B number B:	Not reported
RCRA number A:	CAD008285033
RCRA number B:	Not reported
RCRA number C:	Not reported
RCRA number D:	Not reported
RCRA number E:	Not reported
RCRA number F:	Not reported
RCRA number G:	Not reported
RCRA number H:	Not reported
NPDES number A:	Not reported
NPDES number B:	Not reported
NPDES number C:	Not reported
NPDES number D:	Not reported
NPDES number E:	Not reported
NPDES number F:	Not reported
NPDES number G:	Not reported
Parent company name:	Not reported
Parent company D and B number:	Not reported
Standardized parent company name:	NA
Document control number:	1321219754862
TRI ID:	92335VSTMT13425
Cas number:	N150
Chemical name:	Dioxin and dioxin-like compounds
Classification:	DIOXIN
Unit of measure:	Grams
Metal ind:	NO
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	12
Fugitive air emissions - total release pounds:	NA
Fugitive air emissions - total release range code:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Total fugitive air emissions:	0
Fugitive air emissions - basis of estimate:	Not reported
Stack air emissions - release pounds:	.14811
Stack air emissions - release range code:	Not reported
Total stack air emissions:	.14811
Stack air emissions - basis of estimate:	On-Site-Specific Emission Factors
Total air emissions:	.14811
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Discharges to stream h - stream name:	Not reported
Discharges to stream h - release pounds:	Not reported
Discharges to stream h - release range code:	Not reported
Total discharges to stream h:	Not reported
Discharges to stream h - basis for estimate:	Not reported
Discharges to stream h - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0

VISTA METALS CORP. (Continued) **1000395229**

Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	.14811
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	0
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	0
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	0
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable

VISTA METALS CORP. (Continued) **1000395229**

On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479312
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	N150
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	YES
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	N150
Document control number:	1321219754862
Chemical name:	Dioxin and dioxin-like compounds
Classification:	DIOXIN
Unit of measure:	Grams
Produce the chemical:	Yes
Import the chemical:	No
On-site use of the chemical:	No
Sale or distribution of the chemical:	No
As a byproduct:	Yes
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No

VISTA METALS CORP. (Continued) **1000395229**

Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	VISTA METALS CORP.
Submitted Street:	13425 WHITTRAM AVE
Submitted City:	FONTANA
Submitted County:	SAN BERNARDINO
Submitted State:	CA
Submitted Zip Code:	92335
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	Not reported
Submitted Parent Company DB Number:	Not reported
Submitted Standardized Parent Company Name:	NA
Submitted Primary NAICS Code:	331314
Submitted Industry Code:	331
Submitted Industry Name:	Primary Metals
Industry Code:	331
Industry Name:	Primary Metals
Last year the facility reported:	2021
First year the facility reported:	1987
Number of forms submitted:	7
Total number of forms submitted:	206
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	N150
Document control number:	1321219754862
Chemical name:	Dioxin and dioxin-like compounds
Classification:	DIOXIN
Unit of measure:	Grams
Stream 1 - waste stream code:	NA
Stream 1 - trtmt method - sequence 1:	Not reported
Stream 1 - trtmt method - sequence 2:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	Not reported
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Additional Information Miscellaneous and Optional:

Cas number:	N150
Document control number:	1321219754862
Chemical name:	Dioxin and dioxin-like compounds
Classification:	DIOXIN
Comment sequence:	613443
Comment type description:	Calculation Methods, e.g., Emission Factors
Comment text:	Air release methodology updated including updated source testing data.

VISTA METALS CORP. (Continued) **1000395229**

TRI ID:		92335VSTMT13425
Cas number:		0007440473
Chemical name:	Chromium	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		YES
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		03
Fugitive air emissions - total release pounds:		0
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		0
Fugitive air emissions - basis of estimate:		Published Emission Factors
Stack air emissions - release pounds:		0
Stack air emissions - release range code:		Not reported
Total stack air emissions:		0
Stack air emissions - basis of estimate:		On-Site-Specific Emission Factors
Total air emissions:		0
Discharges to stream a - stream name:		NA
Total discharges to stream a:		0
Discharges to stream a - basis of estimate:		Not reported
Discharges to stream a - % from stormwater:		Not reported
Discharges to stream b - stream name:		Not reported
Total discharges to stream b:		Not reported
Discharges to stream b - basis of estimate:		Not reported
Discharges to stream b - % from stormwater:		Not reported
Discharges to stream c - stream name:		Not reported
Total discharges to stream c:		Not reported
Discharges to stream c - basis of estimate:		Not reported
Discharges to stream c - % from stormwater:		Not reported
Discharges to stream d - stream name:		Not reported
Total discharges to stream d:		Not reported
Discharges to stream d - basis of estimate:		Not reported
Discharges to stream d - % from stormwater:		Not reported
Discharges to stream e - stream name:		Not reported
Total discharges to stream e:		Not reported
Discharges to stream e - basis of estimate:		Not reported
Discharges to stream e - % from stormwater:		Not reported
Discharges to stream f - stream name:		Not reported
Total discharges to stream f:		Not reported
Discharges to stream f - basis of estimate:		Not reported
Discharges to stream f - % from stormwater:		Not reported
Discharges to stream g - stream name:		Not reported
Total discharges to stream g:		Not reported
Discharges to stream g - basis of estimate:		Not reported
Discharges to stream g - % from stormwater:		Not reported
Discharges to stream h - stream name:		Not reported
Discharges to stream h - release pounds:		Not reported
Discharges to stream h - release range code:		Not reported
Total discharges to stream h:		Not reported
Discharges to stream h - basis for estimate:		Not reported
Discharges to stream h - % from stormwater:		Not reported
Total number of receiving streams:		0
Total surface water discharge:		0
Total on-site underground inj - pounds:		Not reported
On-site underground inj - basis of estimate:		Not reported
Total on-site ugrnd inj to cl i wells - pounds:		0

VISTA METALS CORP. (Continued) **1000395229**

On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	0
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	250
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	250
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	3400
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	3400
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0

VISTA METALS CORP. (Continued) **1000395229**

Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	3650
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479312
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	7440-47-3
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	NO
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:		0007440473
Document control number:		1321219753997
Chemical name:	Chromium	
Classification:		TRI
Unit of measure:		Pounds
Produce the chemical:		Yes
Import the chemical:		No
On-site use of the chemical:		No
Sale or distribution of the chemical:		No
As a byproduct:		Yes
As a manufactured impurity:		No
Used as a reactant:		No
P101 feedstocks:		No
P102 raw materials:		No
P103 intermediates:		No
P104 initiators:		No
P199 other:		No
Added as a formulation component:		No
P201 additives:		No
P202 dyes:		No
P203 reaction diluents:		No
P204 initiators:		No
P205 solvents:		No

VISTA METALS CORP. (Continued) **1000395229**

P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	Yes
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	VISTA METALS CORP.
Submitted Street:	13425 WHITTRAM AVE
Submitted City:	FONTANA
Submitted County:	SAN BERNARDINO
Submitted State:	CA
Submitted Zip Code:	92335
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	Not reported
Submitted Parent Company DB Number:	Not reported
Submitted Standardized Parent Company Name:	NA
Submitted Primary NAICS Code:	331314
Submitted Industry Code:	331
Submitted Industry Name:	Primary Metals
Industry Code:	331
Industry Name:	Primary Metals
Last year the facility reported:	2021
First year the facility reported:	1987
Number of forms submitted:	7
Total number of forms submitted:	206

VISTA METALS CORP. (Continued) **1000395229**

Assigned Agency: Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0007440473
Document control number:	1321219753997
Chemical name:	Chromium
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Other Air Emission Treatment
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Stream 5 - based on operating data: Not reported

Details of Off-site Transfers:

Cas number:		0007440473
Document control number:		1321219753997
Chemical name:	Chromium	
Classification:		TRI
Offsite RCRA id nr:		AZR000520882
Offsite transfer sequence number:		1
Offsite name:		LA PAZ COUNTY REGIONAL LANDFILL
Offsite street address:		26999 HIGHWAY 95
Offsite City,State,Zip:		PARKER, AZ 85344
Offsite county:		LA PAZ
Offsite province:		Not reported
Offsite country id:		Not reported
Offsite control:		NO
Unit of measure:		Pounds
Offsite other landfills m64 LBS:		250
Offsite other landfills m64 BOE:		Other
Total amount transferred offsite for disposal:		250
Total amount transferred offsite for recycling:		0
Total amount transferred offsite for energy recovery:		0
Total amount transferred offsite for treatment:		0
FRS ID - Transfer Location:		110012625132

Offsite RCRA id nr:	NA
Offsite transfer sequence number:	2
Offsite name:	IMSAMET
Offsite street address:	3829 ESTRELLA PARKWAY
Offsite City,State,Zip:	GOODYEAR, AZ 85338
Offsite county:	MARICOPA
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite metals recovery m24 LBS:	3400
Offsite metals recovery m24 BOE:	Other
Total amount transferred offsite for recycling:	3400
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported

TRI ID:		92335VSTMT13425
Cas number:		0007439921
Chemical name:	Lead	
Classification:		PBT
Unit of measure:		Pounds
Metal ind:		YES
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		02
Fugitive air emissions - total release pounds:		.1
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		.1
Fugitive air emissions - basis of estimate:		Published Emission Factors

VISTA METALS CORP. (Continued) **1000395229**

Stack air emissions - release pounds:	1.9
Stack air emissions - release range code:	Not reported
Total stack air emissions:	1.9
Stack air emissions - basis of estimate:	On-Site-Specific Emission Factors
Total air emissions:	2
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Discharges to stream h - stream name:	Not reported
Discharges to stream h - release pounds:	Not reported
Discharges to stream h - release range code:	Not reported
Total discharges to stream h:	Not reported
Discharges to stream h - basis for estimate:	Not reported
Discharges to stream h - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	.3
Other disposal - basis of estimate:	Other
Total on-site land releases:	.3
Total on-site releases:	2.3
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	18.3
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	18.3
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	75.1
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	75.1
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	93.4
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable

VISTA METALS CORP. (Continued) **1000395229**

On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479312
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	7439-92-1
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	YES
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	0007439921
Document control number:	1321219754874
Chemical name:	Lead
Classification:	PBT
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	No
On-site use of the chemical:	No
Sale or distribution of the chemical:	No
As a byproduct:	Yes
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	Yes
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No

VISTA METALS CORP. (Continued) **1000395229**

Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	Yes
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	Yes

Submitted Facility Name:	VISTA METALS CORP.
Submitted Street:	13425 WHITTRAM AVE
Submitted City:	FONTANA
Submitted County:	SAN BERNARDINO
Submitted State:	CA
Submitted Zip Code:	92335
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	Not reported
Submitted Parent Company DB Number:	Not reported
Submitted Standardized Parent Company Name:	NA
Submitted Primary NAICS Code:	331314
Submitted Industry Code:	331
Submitted Industry Name:	Primary Metals
Industry Code:	331
Industry Name:	Primary Metals
Last year the facility reported:	2021
First year the facility reported:	1987
Number of forms submitted:	7
Total number of forms submitted:	206
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0007439921
Document control number:	1321219754874
Chemical name: Lead	
Classification:	PBT
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Other Air Emission Treatment
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Off-site Transfers:

Cas number:		0007439921
Document control number:		1321219754874
Chemical name:	Lead	
Classification:		PBT
Offsite RCRA id nr:		AZR000520882
Offsite transfer sequence number:		1
Offsite name:		LA PAZ COUNTY REGIONAL LANDFILL
Offsite street address:		26999 HIGHWAY 95
Offsite City,State,Zip:		PARKER, AZ 85344
Offsite county:		LA PAZ

VISTA METALS CORP. (Continued) **1000395229**

Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite other landfills m64 LBS:	18.3
Offsite other landfills m64 BOE:	Other
Total amount transferred offsite for disposal:	18.3
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110012625132

Offsite RCRA id nr:	CAL000379706
Offsite transfer sequence number:	2
Offsite name:	K-PURE WATERWORKS INC
Offsite street address:	8910 ROCHESTER AVE
Offsite City,State,Zip:	RANCHO CUCAMONGA, CA 91730
Offsite county:	SAN BERNARDINO
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite other reuse or recovery m26 BOE:	Other
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110070096484

Offsite RCRA id nr:	NA
Offsite transfer sequence number:	3
Offsite name:	IMSAMET
Offsite street address:	3829 ESTRELLA PARKWAY
Offsite City,State,Zip:	GOODYEAR, AZ 85338
Offsite county:	MARICOPA
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite metals recovery m24 LBS:	75.1
Offsite metals recovery m24 BOE:	Other
Total amount transferred offsite for recycling:	75.1
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported

TRI ID:	92335VSTMT13425
Cas number:	0007429905
Chemical name:	Aluminum (fume or dust)
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	YES
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	04

VISTA METALS CORP. (Continued) **1000395229**

Fugitive air emissions - total release pounds:	0
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	0
Fugitive air emissions - basis of estimate:	Mass Balance Calculations
Stack air emissions - release pounds:	3000
Stack air emissions - release range code:	Not reported
Total stack air emissions:	3000
Stack air emissions - basis of estimate:	On-Site-Specific Emission Factors
Total air emissions:	3000
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Discharges to stream h - stream name:	Not reported
Discharges to stream h - release pounds:	Not reported
Discharges to stream h - release range code:	Not reported
Total discharges to stream h:	Not reported
Discharges to stream h - basis for estimate:	Not reported
Discharges to stream h - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0

VISTA METALS CORP. (Continued) **1000395229**

Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	3000
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	21000
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	21000
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	0
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	0
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	21000
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0

VISTA METALS CORP. (Continued) **1000395229**

Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479312
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	7429-90-5
Mixture Name:	NA
Clean Air Act Ind:	NO
Carcinogen Ind:	NO
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	0007429905
Document control number:	1321219753985
Chemical name:	Aluminum (fume or dust)
Classification:	TRI
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	No
On-site use of the chemical:	No
Sale or distribution of the chemical:	No
As a byproduct:	Yes
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	No
Repackaging:	No

VISTA METALS CORP. (Continued) **1000395229**

As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	Yes
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	Yes
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	Yes

Submitted Facility Name:	VISTA METALS CORP.
Submitted Street:	13425 WHITTRAM AVE
Submitted City:	FONTANA
Submitted County:	SAN BERNARDINO
Submitted State:	CA
Submitted Zip Code:	92335
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	Not reported
Submitted Parent Company DB Number:	Not reported
Submitted Standardized Parent Company Name:	NA
Submitted Primary NAICS Code:	331314
Submitted Industry Code:	331
Submitted Industry Name:	Primary Metals
Industry Code:	331
Industry Name:	Primary Metals
Last year the facility reported:	2021
First year the facility reported:	1987
Number of forms submitted:	7
Total number of forms submitted:	206
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0007429905
Document control number:	1321219753985
Chemical name:	Aluminum (fume or dust)
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)

VISTA METALS CORP. (Continued) **1000395229**

Stream 1 - trtmt method - sequence 1:	Other Air Emission Treatment
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Off-site Transfers:

Cas number:	0007429905
Document control number:	1321219753985
Chemical name:	Aluminum (fume or dust)
Classification:	TRI
Offsite RCRA id nr:	CAD008252405
Offsite transfer sequence number:	1

VISTA METALS CORP. (Continued) **1000395229**

Offsite name:	PACIFIC RESOURCE RECOVERY SERVICES INC
Offsite street address:	3150 EAST PICO BLVD
Offsite City,State,Zip:	LOS ANGELES, CA 90023
Offsite county:	LOS ANGELES
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite disposal unknown m99 BOE:	Other
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110000473407

Offsite RCRA id nr:	AZR000520882
Offsite transfer sequence number:	2
Offsite name:	LA PAZ COUNTY REGIONAL LANDFILL
Offsite street address:	26999 HIGHWAY 95
Offsite City,State,Zip:	PARKER, AZ 85344
Offsite county:	LA PAZ
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite other landfills m64 LBS:	21000
Offsite other landfills m64 BOE:	Other
Total amount transferred offsite for disposal:	21000
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110012625132

TRI ID:	92335VSTMT13425
Cas number:	0007440508
Chemical name: Copper	
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	YES
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	05
Fugitive air emissions - total release pounds:	0
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	0
Fugitive air emissions - basis of estimate:	Published Emission Factors
Stack air emissions - release pounds:	Not reported
Stack air emissions - release range code:	B
Total stack air emissions:	250
Stack air emissions - basis of estimate:	On-Site-Specific Emission Factors
Total air emissions:	250
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported
Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Discharges to stream h - stream name:	Not reported
Discharges to stream h - release pounds:	Not reported
Discharges to stream h - release range code:	Not reported
Total discharges to stream h:	Not reported
Discharges to stream h - basis for estimate:	Not reported
Discharges to stream h - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	5
Other disposal - basis of estimate:	Other
Total on-site land releases:	5
Total on-site releases:	255
Off-site - POTW releases:	0

VISTA METALS CORP. (Continued) **1000395229**

Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	250
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	250
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	8000
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	8000
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	8250
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479312
Elemental Metal Included:	NO

VISTA METALS CORP. (Continued) **1000395229**

Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	7440-50-8
Mixture Name:	NA
Clean Air Act Ind:	NO
Carcinogen Ind:	NO
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:	0007440508
Document control number:	1321219754001
Chemical name: Copper	
Classification:	TRI
Unit of measure:	Pounds
Produce the chemical:	Yes
Import the chemical:	No
On-site use of the chemical:	No
Sale or distribution of the chemical:	No
As a byproduct:	Yes
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	Yes
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No

VISTA METALS CORP. (Continued) **1000395229**

Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	Yes
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	Yes
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	VISTA METALS CORP.
Submitted Street:	13425 WHITTRAM AVE
Submitted City:	FONTANA
Submitted County:	SAN BERNARDINO
Submitted State:	CA
Submitted Zip Code:	92335
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	Not reported
Submitted Parent Company DB Number:	Not reported
Submitted Standardized Parent Company Name:	NA
Submitted Primary NAICS Code:	331314
Submitted Industry Code:	331
Submitted Industry Name:	Primary Metals
Industry Code:	331
Industry Name:	Primary Metals
Last year the facility reported:	2021
First year the facility reported:	1987
Number of forms submitted:	7
Total number of forms submitted:	206
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0007440508
Document control number:	1321219754001
Chemical name: Copper	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Other Air Emission Treatment
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Off-site Transfers:

Cas number:	0007440508
Document control number:	1321219754001
Chemical name: Copper	
Classification:	TRI
Offsite RCRA id nr:	AZR000520882
Offsite transfer sequence number:	1
Offsite name:	LA PAZ COUNTY REGIONAL LANDFILL
Offsite street address:	26999 HIGHWAY 95
Offsite City,State,Zip:	PARKER, AZ 85344
Offsite county:	LA PAZ
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite other landfills m64 LBS:	250
Offsite other landfills m64 BOE:	Other
Total amount transferred offsite for disposal:	250
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0

VISTA METALS CORP. (Continued) **1000395229**

FRS ID - Transfer Location:	110012625132
Offsite RCRA id nr:	CAT080013352
Offsite transfer sequence number:	2
Offsite name:	WORLD OIL RECYCLING
Offsite street address:	2000 N. ALAMEDA STREET
Offsite City,State,Zip:	COMPTON, CA 902220000
Offsite county:	LOS ANGELES
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite other reuse or recovery m26 BOE:	Other
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110000474353
Offsite RCRA id nr:	NA
Offsite transfer sequence number:	3
Offsite name:	IMSAMET
Offsite street address:	3829 ESTRELLA PARKWAY
Offsite City,State,Zip:	GOODYEAR, AZ 85338
Offsite county:	MARICOPA
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite metals recovery m24 LBS:	8000
Offsite metals recovery m24 BOE:	Other
Total amount transferred offsite for recycling:	8000
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported
Offsite RCRA id nr:	CAL000379706
Offsite transfer sequence number:	4
Offsite name:	K-PURE WATERWORKS INC
Offsite street address:	8910 ROCHESTER AVE
Offsite City,State,Zip:	RANCHO CUCAMONGA, CA 91730
Offsite county:	SAN BERNARDINO
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite other reuse or recovery m26 BOE:	Other
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110070096484
Offsite RCRA id nr:	CAD982444481
Offsite transfer sequence number:	5
Offsite name:	HAZMAT TSDF INC, FORMER FILTER RECYCLING SERVICES INC

VISTA METALS CORP. (Continued) **1000395229**

Offsite street address:	180 WEST MONTE AVENUE
Offsite City,State,Zip:	RIALTO, CA 92316
Offsite county:	SAN BERNARDINO
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite other landfills m64 BOE:	Other
Total amount transferred offsite for disposal:	0
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110033205234

TRI ID:	92335VSTMT13425
Cas number:	0007440020
Chemical name: Nickel	
Classification:	TRI
Unit of measure:	Pounds
Metal ind:	YES
Revision code 1:	Not reported
Revision code 2:	Not reported
Maximum amount on site:	03
Fugitive air emissions - total release pounds:	0
Fugitive air emissions - total release range code:	Not reported
Total fugitive air emissions:	0
Fugitive air emissions - basis of estimate:	Published Emission Factors
Stack air emissions - release pounds:	Not reported
Stack air emissions - release range code:	A
Total stack air emissions:	5
Stack air emissions - basis of estimate:	On-Site-Specific Emission Factors
Total air emissions:	5
Discharges to stream a - stream name:	NA
Total discharges to stream a:	0
Discharges to stream a - basis of estimate:	Not reported
Discharges to stream a - % from stormwater:	Not reported
Discharges to stream b - stream name:	Not reported
Total discharges to stream b:	Not reported
Discharges to stream b - basis of estimate:	Not reported
Discharges to stream b - % from stormwater:	Not reported
Discharges to stream c - stream name:	Not reported
Total discharges to stream c:	Not reported
Discharges to stream c - basis of estimate:	Not reported
Discharges to stream c - % from stormwater:	Not reported
Discharges to stream d - stream name:	Not reported
Total discharges to stream d:	Not reported
Discharges to stream d - basis of estimate:	Not reported
Discharges to stream d - % from stormwater:	Not reported
Discharges to stream e - stream name:	Not reported
Total discharges to stream e:	Not reported
Discharges to stream e - basis of estimate:	Not reported
Discharges to stream e - % from stormwater:	Not reported
Discharges to stream f - stream name:	Not reported
Total discharges to stream f:	Not reported
Discharges to stream f - basis of estimate:	Not reported
Discharges to stream f - % from stormwater:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Discharges to stream g - stream name:	Not reported
Total discharges to stream g:	Not reported
Discharges to stream g - basis of estimate:	Not reported
Discharges to stream g - % from stormwater:	Not reported
Discharges to stream h - stream name:	Not reported
Discharges to stream h - release pounds:	Not reported
Discharges to stream h - release range code:	Not reported
Total discharges to stream h:	Not reported
Discharges to stream h - basis for estimate:	Not reported
Discharges to stream h - % from stormwater:	Not reported
Total number of receiving streams:	0
Total surface water discharge:	0
Total on-site underground inj - pounds:	Not reported
On-site underground inj - basis of estimate:	Not reported
Total on-site ugrnd inj to cl i wells - pounds:	0
On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	5
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	5
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0

VISTA METALS CORP. (Continued) **1000395229**

Total transferred off site for disposal:	5
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	250
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	250
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0
Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	255
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479312
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	7440-02-0
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	YES
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:		0007440020
Document control number:		1321219754898
Chemical name:	Nickel	
Classification:		TRI
Unit of measure:		Pounds
Produce the chemical:		Yes
Import the chemical:		No
On-site use of the chemical:		No

VISTA METALS CORP. (Continued) **1000395229**

Sale or distribution of the chemical:	No
As a byproduct:	Yes
As a manufactured impurity:	No
Used as a reactant:	No
P101 feedstocks:	No
P102 raw materials:	No
P103 intermediates:	No
P104 initiators:	No
P199 other:	No
Added as a formulation component:	No
P201 additives:	No
P202 dyes:	No
P203 reaction diluents:	No
P204 initiators:	No
P205 solvents:	No
P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	Yes
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	Yes
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	Yes
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	VISTA METALS CORP.
Submitted Street:	13425 WHITTRAM AVE
Submitted City:	FONTANA
Submitted County:	SAN BERNARDINO
Submitted State:	CA

VISTA METALS CORP. (Continued) **1000395229**

Submitted Zip Code:	92335
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	Not reported
Submitted Parent Company DB Number:	Not reported
Submitted Standardized Parent Company Name:	NA
Submitted Primary NAICS Code:	331314
Submitted Industry Code:	331
Submitted Industry Name:	Primary Metals
Industry Code:	331
Industry Name:	Primary Metals
Last year the facility reported:	2021
First year the facility reported:	1987
Number of forms submitted:	7
Total number of forms submitted:	206
Assigned Agency:	Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0007440020
Document control number:	1321219754898
Chemical name: Nickel	
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Other Air Emission Treatment
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported
Stream 5 - based on operating data:	Not reported

Details of Off-site Transfers:

Cas number:	0007440020
Document control number:	1321219754898
Chemical name: Nickel	
Classification:	TRI
Offsite RCRA id nr:	NA
Offsite transfer sequence number:	1
Offsite name:	IMSAMET
Offsite street address:	3829 ESTRELLA PARKWAY
Offsite City,State,Zip:	GOODYEAR, AZ 85338
Offsite county:	MARICOPA
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite metals recovery m24 LBS:	250
Offsite metals recovery m24 BOE:	Other
Total amount transferred offsite for recycling:	250
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported

Offsite RCRA id nr:	AZR000520882
Offsite transfer sequence number:	2
Offsite name:	LA PAZ COUNTY REGIONAL LANDFILL
Offsite street address:	26999 HIGHWAY 95
Offsite City,State,Zip:	PARKER, AZ 85344
Offsite county:	LA PAZ
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Offsite other landfills m64 LBS:	5
Offsite other landfills m64 BOE:	Other
Total amount transferred offsite for disposal:	5
Total amount transferred offsite for recycling:	0
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	110012625132

VISTA METALS CORP. (Continued) **1000395229**

TRI ID:		92335VSTMT13425
Cas number:		0007439965
Chemical name:	Manganese	
Classification:		TRI
Unit of measure:		Pounds
Metal ind:		YES
Revision code 1:		Not reported
Revision code 2:		Not reported
Maximum amount on site:		04
Fugitive air emissions - total release pounds:		0
Fugitive air emissions - total release range code:		Not reported
Total fugitive air emissions:		0
Fugitive air emissions - basis of estimate:		Published Emission Factors
Stack air emissions - release pounds:		Not reported
Stack air emissions - release range code:		A
Total stack air emissions:		5
Stack air emissions - basis of estimate:		On-Site-Specific Emission Factors
Total air emissions:		5
Discharges to stream a - stream name:		NA
Total discharges to stream a:		0
Discharges to stream a - basis of estimate:		Not reported
Discharges to stream a - % from stormwater:		Not reported
Discharges to stream b - stream name:		Not reported
Total discharges to stream b:		Not reported
Discharges to stream b - basis of estimate:		Not reported
Discharges to stream b - % from stormwater:		Not reported
Discharges to stream c - stream name:		Not reported
Total discharges to stream c:		Not reported
Discharges to stream c - basis of estimate:		Not reported
Discharges to stream c - % from stormwater:		Not reported
Discharges to stream d - stream name:		Not reported
Total discharges to stream d:		Not reported
Discharges to stream d - basis of estimate:		Not reported
Discharges to stream d - % from stormwater:		Not reported
Discharges to stream e - stream name:		Not reported
Total discharges to stream e:		Not reported
Discharges to stream e - basis of estimate:		Not reported
Discharges to stream e - % from stormwater:		Not reported
Discharges to stream f - stream name:		Not reported
Total discharges to stream f:		Not reported
Discharges to stream f - basis of estimate:		Not reported
Discharges to stream f - % from stormwater:		Not reported
Discharges to stream g - stream name:		Not reported
Total discharges to stream g:		Not reported
Discharges to stream g - basis of estimate:		Not reported
Discharges to stream g - % from stormwater:		Not reported
Discharges to stream h - stream name:		Not reported
Discharges to stream h - release pounds:		Not reported
Discharges to stream h - release range code:		Not reported
Total discharges to stream h:		Not reported
Discharges to stream h - basis for estimate:		Not reported
Discharges to stream h - % from stormwater:		Not reported
Total number of receiving streams:		0
Total surface water discharge:		0
Total on-site underground inj - pounds:		Not reported
On-site underground inj - basis of estimate:		Not reported
Total on-site ugrnd inj to cl i wells - pounds:		0

VISTA METALS CORP. (Continued) **1000395229**

On-site underground inj to c1 i wells - basis of estimate:	Not reported
Total on-site ugrnd inj to cl ii-v wells - pounds:	0
On-site ungrnd inj to cl ii-v wells - basis of estimate:	Not reported
Total on-site underground injection:	0
Total on-site landfills:	Not reported
On-site landfills - basis of estimate:	Not reported
Total on-site RCRA subtitle c landfills:	0
On-site RCRA subtitle c landfills - basis of estimate:	Not reported
Total other on-site landfills:	0
Other landfills - basis of estimate:	Not reported
Total on-site land treatment:	0
Land trtmt/appl farming - basis of estimate:	Not reported
Total surface impoundments:	Not reported
Surface impoundment - basis of estimate:	Not reported
Total RCRA c surface impoundments:	0
RCRA c Surface impoundment - basis of estimate:	Not reported
Total other surface impoundments:	0
Other surface impoundment - basis of estimate:	Not reported
Total other disposal:	0
Other disposal - basis of estimate:	Not reported
Total on-site land releases:	0
Total on-site releases:	5
Off-site - POTW releases:	0
Off-site - storage only:	0
Off-site - solid/stab - metals:	0
Off-site - wastewater treatment release - metals:	0
Off-site - solid/stab - release - metals:	0
Off-site - wastewater treatment - metals:	0
Off-site - underground injection:	0
Off-site - underground injection - class 1 wells:	0
Off-site - underground injection - class ii-v wells:	0
Off-site - landfills/disposal surface impoundments:	0
Off-site - surface impoundment:	0
Off-site - RCRA subtitle c surface impoundments:	0
Off-site - other surface impoundments:	0
Off-site - other landfills:	250
Off-site - RCRA subtitle c landfills:	0
Off-site - disposal - land treatment:	0
Off-site - disposal - other land disposal:	0
Off-site - disposal - other off-site management:	0
Off-site - disposal - transfer to waste broker:	0
Off-site - disposal - unknown:	0
Total transferred off site for disposal:	250
Off-site - recycling - solvents/organics recovery:	0
Off-site - recycling -metals recovery:	1500
Off-site - recycling - other reuse or recovery:	0
Off-site - recycling - acid regeneration:	0
Off-site - recycling - transfer to waste broker:	0
Total transferred off site for recycling:	1500
Off-site - energy recovery:	0
Off-site - transfer to waste broker for energy recovery:	0
Total transferred off site for energy recovery:	0
Off-site - POTW treatment:	0
Off-site - solid/stab treatment - non metals:	0
Off-site -incineration/thermal treatment:	0
Off-site - incineration/insignificant heat value:	0
Off-site - wastewater treatment - non-metals:	0

VISTA METALS CORP. (Continued) **1000395229**

Off-site - other waste treatment:	0
Off-site - transfer to waste broker - waste treatment:	0
Total transferred off site for treatment:	0
Off-site - transfer to waste broker:	0
Total transferred off site for further waste management:	1750
Total POTW transfer:	0
Energy recovery on site current year:	0
Recycled on site current year:	0
Treated on site current year:	0
Total on-site waste management:	0
On-site energy recovery method 1:	Not Applicable
On-site energy recovery method 2:	Not reported
On-site energy recovery method 3:	Not Applicable
On-site energy recovery method 4:	Not reported
On-site recycling processes method 1:	Not Applicable
On-site recycling processes method 2:	Not reported
On-site recycling processes method 3:	Not reported
On-site recycling processes method 4:	Not reported
On-site recycling processes method 5:	Not reported
On-site recycling processes method 6:	Not reported
On-site recycling processes method 7:	Not reported
FRS Facility ID:	110000479312
Elemental Metal Included:	NO
Waste Rock Pile managed Indicator:	0
Waste Rock Quantity:	Not reported
Off Site - POTW Releases 81C:	0
Off Site - POTW Releases 81D:	0
Assigned Partial Facility Flag:	NO
Case Number:	7439-96-5
Mixture Name:	NA
Clean Air Act Ind:	YES
Carcinogen Ind:	NO
PFAS Ind:	NO

Chemical Activities and Uses:

Cas number:		0007439965
Document control number:		1321219754886
Chemical name:	Manganese	
Classification:		TRI
Unit of measure:		Pounds
Produce the chemical:		Yes
Import the chemical:		No
On-site use of the chemical:		No
Sale or distribution of the chemical:		No
As a byproduct:		Yes
As a manufactured impurity:		No
Used as a reactant:		No
P101 feedstocks:		No
P102 raw materials:		No
P103 intermediates:		No
P104 initiators:		No
P199 other:		No
Added as a formulation component:		No
P201 additives:		No
P202 dyes:		No
P203 reaction diluents:		No
P204 initiators:		No
P205 solvents:		No

VISTA METALS CORP. (Continued) **1000395229**

P206 inhibitors:	No
P207 emulsifiers:	No
P208 surfactants:	No
P209 lubricants:	No
P210 flame retardants:	No
P211 rheological modifiers:	No
P299 other:	No
Used as an article component:	Yes
Repackaging:	No
As a process impurity:	No
Processed / recycling:	No
Used as a chemical processing aid:	No
Z101 process solvents:	No
Z102 catalysts:	No
Z103 inhibitors:	No
Z104 initiators:	No
Z105 reaction terminators:	No
Z106 solution buffers:	No
Z199 other:	No
Used as a manufacturing aid:	No
Z201 process lubricants:	No
Z202 metalworking fluids:	No
Z203 coolants:	No
Z204 refrigerants:	No
Z205 hydraulic fluids:	No
Z299 other:	No
Ancillary or other use:	No
Z301 cleaner:	No
Z302 degreaser:	No
Z303 lubricant:	No
Z304 fuel:	No
Z305 flame retardant:	No
Z306 waste treatment:	No
Z307 water treatment:	No
Z308 construction materials:	No
Z399 other:	No

Submitted Facility Name:	VISTA METALS CORP.
Submitted Street:	13425 WHITTRAM AVE
Submitted City:	FONTANA
Submitted County:	SAN BERNARDINO
Submitted State:	CA
Submitted Zip Code:	92335
Submitted BIA Code:	Not reported
Submitted Tribe Name:	Not reported
Submitted Parent Company Name:	Not reported
Submitted Parent Company DB Number:	Not reported
Submitted Standardized Parent Company Name:	NA
Submitted Primary NAICS Code:	331314
Submitted Industry Code:	331
Submitted Industry Name:	Primary Metals
Industry Code:	331
Industry Name:	Primary Metals
Last year the facility reported:	2021
First year the facility reported:	1987
Number of forms submitted:	7
Total number of forms submitted:	206

VISTA METALS CORP. (Continued) **1000395229**

Assigned Agency: Not reported

Detailed On-site Waste Treatment Methods and Efficiency:

Cas number:	0007439965
Document control number:	1321219754886
Chemical name:	Manganese
Classification:	TRI
Unit of measure:	Pounds
Stream 1 - waste stream code:	Gaseous (gases, vapors, airborne particulates)
Stream 1 - trtmt method - sequence 1:	Other Air Emission Treatment
Stream 1 - trtmt method - sequence 2:	Not reported
Stream 1 - trtmt method - sequence 3:	Not reported
Stream 1 - trtmt method - sequence 4:	Not reported
Stream 1 - trtmt method - sequence 5:	Not reported
Stream 1 - trtmt method - sequence 6:	Not reported
Stream 1 - trtmt method - sequence 7:	Not reported
Stream 1 - trtmt method - sequence 8:	Not reported
Stream 1 - based on operating data:	NO
Stream 2 - waste stream code:	Not reported
Stream 2 - trtmt method - sequence 1:	Not reported
Stream 2 - trtmt method - sequence 2:	Not reported
Stream 2 - trtmt method - sequence 3:	Not reported
Stream 2 - trtmt method - sequence 4:	Not reported
Stream 2 - trtmt method - sequence 5:	Not reported
Stream 2 - trtmt method - sequence 6:	Not reported
Stream 2 - trtmt method - sequence 7:	Not reported
Stream 2 - trtmt method - sequence 8:	Not reported
Stream 2 - based on operating data:	Not reported
Stream 3 - waste stream code:	Not reported
Stream 3 - trtmt method - sequence 1:	Not reported
Stream 3 - trtmt method - sequence 2:	Not reported
Stream 3 - trtmt method - sequence 3:	Not reported
Stream 3 - trtmt method - sequence 4:	Not reported
Stream 3 - trtmt method - sequence 5:	Not reported
Stream 3 - trtmt method - sequence 6:	Not reported
Stream 3 - trtmt method - sequence 7:	Not reported
Stream 3 - trtmt method - sequence 8:	Not reported
Stream 3 - based on operating data:	Not reported
Stream 4 - waste stream code:	Not reported
Stream 4 - trtmt method - sequence 1:	Not reported
Stream 4 - trtmt method - sequence 2:	Not reported
Stream 4 - trtmt method - sequence 3:	Not reported
Stream 4 - trtmt method - sequence 4:	Not reported
Stream 4 - trtmt method - sequence 5:	Not reported
Stream 4 - trtmt method - sequence 6:	Not reported
Stream 4 - trtmt method - sequence 7:	Not reported
Stream 4 - trtmt method - sequence 8:	Not reported
Stream 4 - based on operating data:	Not reported
Stream 5 - waste stream code:	Not reported
Stream 5 - trtmt method - sequence 1:	Not reported
Stream 5 - trtmt method - sequence 2:	Not reported
Stream 5 - trtmt method - sequence 3:	Not reported
Stream 5 - trtmt method - sequence 4:	Not reported
Stream 5 - trtmt method - sequence 5:	Not reported
Stream 5 - trtmt method - sequence 6:	Not reported
Stream 5 - trtmt method - sequence 7:	Not reported
Stream 5 - trtmt method - sequence 8:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Stream 5 - based on operating data: Not reported

Details of Off-site Transfers:

Cas number:		0007439965
Document control number:		1321219754886
Chemical name:	Manganese	
Classification:		TRI
Offsite RCRA id nr:		AZR000520882
Offsite transfer sequence number:		1
Offsite name:		LA PAZ COUNTY REGIONAL LANDFILL
Offsite street address:		26999 HIGHWAY 95
Offsite City,State,Zip:		PARKER, AZ 85344
Offsite county:		LA PAZ
Offsite province:		Not reported
Offsite country id:		Not reported
Offsite control:		NO
Unit of measure:		Pounds
Offsite other landfills m64 LBS:		250
Offsite other landfills m64 BOE:		Other
Total amount transferred offsite for disposal:		250
Total amount transferred offsite for recycling:		0
Total amount transferred offsite for energy recovery:		0
Total amount transferred offsite for treatment:		0
FRS ID - Transfer Location:		110012625132

Offsite RCRA id nr:	NA
Offsite transfer sequence number:	2
Offsite name:	IMSAMET
Offsite street address:	3829 ESTRELLA PARKWAY
Offsite City,State,Zip:	GOODYEAR, AZ 85338
Offsite county:	MARICOPA
Offsite province:	Not reported
Offsite country id:	Not reported
Offsite control:	NO
Unit of measure:	Pounds
Total amount transferred offsite for disposal:	0
Offsite metals recovery m24 LBS:	1500
Offsite metals recovery m24 BOE:	Other
Total amount transferred offsite for recycling:	1500
Total amount transferred offsite for energy recovery:	0
Total amount transferred offsite for treatment:	0
FRS ID - Transfer Location:	Not reported

ICIS:

Enforcement Action ID:	09-2008-3005
FRS ID:	110000479312
Action Name:	Vista Metals, Corp.
Facility Name:	VISTA METALS CORP.
Facility Address:	13425 WHITTRAM AVENUE FONTANA, CA 92335
Enforcement Action Type:	EPCRA 325 Action For Penalty
Facility County:	SAN BERNARDINO
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	325

VISTA METALS CORP. (Continued) **1000395229**

Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.094639
Longitude in Decimal Degrees: -117.512111
Permit Type Desc: Not reported
Program System Acronym: 600009713
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported

VISTA METALS CORP. (Continued) **1000395229**

SIC Code: Not reported

Facility Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE.
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

FINDS:
Registry ID: 110000479312

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).
The National Pollutant Discharge Elimination System (NPDES) module of the Integrated Compliance Information System (ICIS). 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.
ICIS-Air (AIR) AIR is the modernization of the Air Facility System (AFS) into the Integrated Compliance Information System (ICIS). AIR contains enforcement, compliance, and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies.
THE EMISSION INVENTORY SYSTEM (EIS) MAINTAINS AN INVENTORY OF LARGE STATIONARY SOURCES AND VOLUNTARILY-REPORTED SMALLER SOURCES OF AIR POINT POLLUTANT EMITTERS. IT CONTAINS INFORMATION ABOUT FACILITY SITES AND THEIR PHYSICAL LOCATION, EMISSIONS UNITS, EMISSIONS PROCESSES, RELEASE POINTS, CONTROL APPROACHES, AND REGULATIONS. FACILITY INVENTORY DATA ARE KEPT SEPARATE FROM THE EMISSIONS DATA AND HAVE STABLE IDENTIFIERS TO IMPROVE CONTINUITY FROM YEAR TO YEAR AND TO HELP IDENTIFY DUPLICATE OR MISSING FACILITIES
California’s Hazardous Waste Tracking System Data Mart (HWTS-DATAMART)

VISTA METALS CORP. (Continued) **1000395229**

provides information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
The Toxic Release Inventory System (TRIS) is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.
The Air Facility System (AFS) contains compliance and permit data for stationary sources of air pollution regulated by the EPA, state, and local air pollution agencies.
CEDRI is a web application used by EPA programs and various stakeholders to manage environmental data transmitted to EPA in order to meet EPA's reporting requirements.
THE ELECTRONIC GREENHOUSE GAS REPORTING TOOL (E-GGRT) IS ACCESSIBLE THROUGH AN EPA WEB PAGE AND USED TO SUBMIT ANNUAL REPORTS IN SUPPORT OF THE EPA RULE FOR MANDATORY REPORTING OF GREENHOUSE GASES (GHG) FROM LARGE GHG EMISSIONS SOURCES. IMPLEMENTATION OF 40 CFR PART 98 IS REFERRED TO AS THE GREENHOUSE GAS REPORTING PROGRAM (GHGRP). THIS COMPREHENSIVE, NATIONWIDE EMISSIONS DATA WILL PROVIDE A BETTER UNDERSTANDING OF THE SOURCES OF GHGS AND WILL GUIDE DEVELOPMENT OF THE POLICIES AND PROGRAMS TO REDUCE EMISSIONS. THE PUBLICALLY AVAILABLE DATA WILL ALLOW REPORTERS TO TRACK THEIR OWN EMISSIONS, COMPARE THEM TO SIMILAR FACILITIES, AND AID IN IDENTIFYING COST EFFECTIVE OPPORTUNITIES TO REDUCE EMISSIONS IN THE FUTURE.
The Integrated Compliance Information System (ICIS) provides a database that, when complete, will contain integrated enforcement and compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained in ICIS by EPA in the Regional offices and it at Headquarters. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.
The 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).
ALLOWS PERMITTING AUTHORITIES TO SUBMIT NEW SOURCE REVIEW (NSR) AND TITLE V PERMIT ACTIONS TO EPA FOR REVIEW.
The Department of Labor, Occupational Safety and Health Administration information system consists of inspection case detail for approximately 100,000 OSHA inspections conducted annually. The FRS dataset includes facilities that had inspections within the last 7 years within the mining, oil and gas, utilities, and manufacturing sectors.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many

VISTA METALS CORP. (Continued) **1000395229**

types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.
All generators and treatment, storage, and disposal (TSD) facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years. The data collected is used to create the National Biennial Resource Conservation and Recovery Act (RCRA) Hazardous Waste Report. This data is processed within the RCRA Information (RCRAInfo) database

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

EMI:

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	1987
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
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:	5
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	109
NOX - Oxides of Nitrogen Tons/Yr:	11
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	9
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	1990
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
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:	6
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	95
NOX - Oxides of Nitrogen Tons/Yr:	9
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	11
Part. Matter 10 Micrometers and Smllr Tons/Yr:	11

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	1995
County Code:	36

VISTA METALS CORP. (Continued) **1000395229**

Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
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:	5
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	62
NOX - Oxides of Nitrogen Tons/Yr:	16
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	1996
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
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:	5
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	43
NOX - Oxides of Nitrogen Tons/Yr:	14
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	15
Part. Matter 10 Micrometers and Smllr Tons/Yr:	14

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	1997
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
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:	10
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	52
NOX - Oxides of Nitrogen Tons/Yr:	32
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	17
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE

VISTA METALS CORP. (Continued) **1000395229**

City,State,Zip:	FONTANA, CA 92335
Year:	1998
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
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:	10
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	52
NOX - Oxides of Nitrogen Tons/Yr:	32
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	17
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	1999
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
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:	10
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	52
NOX - Oxides of Nitrogen Tons/Yr:	32
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	17
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	2000
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
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:	10
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	52
NOX - Oxides of Nitrogen Tons/Yr:	32
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	17
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16

VISTA METALS CORP. (Continued) **1000395229**

Name:	VISTA METALS CORP
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	2001
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
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:	15
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	9
NOX - Oxides of Nitrogen Tons/Yr:	30
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	2
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2002
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3341
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:	15
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	11
NOX - Oxides of Nitrogen Tons/Yr:	15
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2003
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3341
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:	15
Reactive Organic Gases Tons/Yr:	10
Carbon Monoxide Emissions Tons/Yr:	11
NOX - Oxides of Nitrogen Tons/Yr:	15
SOX - Oxides of Sulphur Tons/Yr:	0

VISTA METALS CORP. (Continued) **1000395229**

Particulate Matter Tons/Yr: 4
Part. Matter 10 Micrometers and Smllr Tons/Yr: 3

Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Year: 2004
County Code: 36
Air Basin: SC
Facility ID: 14495
Air District Name: SC
SIC Code: 3341
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: 14.704325
Reactive Organic Gases Tons/Yr: 9.7
Carbon Monoxide Emissions Tons/Yr: 10.997675
NOX - Oxides of Nitrogen Tons/Yr: 15.3995
SOX - Oxides of Sulphur Tons/Yr: 0.2086207
Particulate Matter Tons/Yr: 3.718614
Part. Matter 10 Micrometers and Smllr Tons/Yr: 3.36

Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Year: 2005
County Code: 36
Air Basin: SC
Facility ID: 14495
Air District Name: SC
SIC Code: 3341
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: 7.552365
Reactive Organic Gases Tons/Yr: 6.328237506
Carbon Monoxide Emissions Tons/Yr: 9.703
NOX - Oxides of Nitrogen Tons/Yr: 15.78104
SOX - Oxides of Sulphur Tons/Yr: .16968
Particulate Matter Tons/Yr: 3.700280746
Part. Matter 10 Micrometers and Smllr Tons/Yr: 3.41124311918

Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Year: 2006
County Code: 36
Air Basin: SC
Facility ID: 14495
Air District Name: SC
SIC Code: 3341
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: 5.862463341077735883
Reactive Organic Gases Tons/Yr: 2.632

VISTA METALS CORP. (Continued) **1000395229**

Carbon Monoxide Emissions Tons/Yr:	9.563
NOX - Oxides of Nitrogen Tons/Yr:	14.37
SOX - Oxides of Sulphur Tons/Yr:	.169
Particulate Matter Tons/Yr:	5.633
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.02406

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 95131
Year:	2007
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3341
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:	5.862463341077735883
Reactive Organic Gases Tons/Yr:	2.632
Carbon Monoxide Emissions Tons/Yr:	9.563
NOX - Oxides of Nitrogen Tons/Yr:	14.37
SOX - Oxides of Sulphur Tons/Yr:	.169
Particulate Matter Tons/Yr:	5.633
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.02406

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2008
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3354
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:	4.220677183841819116
Reactive Organic Gases Tons/Yr:	1.730610063208
Carbon Monoxide Emissions Tons/Yr:	7.904025
NOX - Oxides of Nitrogen Tons/Yr:	11.83601864369107900
SOX - Oxides of Sulphur Tons/Yr:	.1122055
Particulate Matter Tons/Yr:	4.6979125
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.176669375

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	2009
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3354
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3.01648846091806
Reactive Organic Gases Tons/Yr:	1.2900805008
Carbon Monoxide Emissions Tons/Yr:	5.6897450000000003
NOX - Oxides of Nitrogen Tons/Yr:	8.8281469999999995
SOX - Oxides of Sulphur Tons/Yr:	8.9684929999999996E-2
Particulate Matter Tons/Yr:	3.5315810000000001
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.1365925720000001

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	2010
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3354
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:	5.2743105676060198
Reactive Organic Gases Tons/Yr:	2.3766500000000002
Carbon Monoxide Emissions Tons/Yr:	12.852359999999999
NOX - Oxides of Nitrogen Tons/Yr:	13.69534
SOX - Oxides of Sulphur Tons/Yr:	0.16192054715000001
Particulate Matter Tons/Yr:	5.6153401289999998
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.0049789670699996

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	2011
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3354
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:	6.9218009106
Reactive Organic Gases Tons/Yr:	3.2500516667
Carbon Monoxide Emissions Tons/Yr:	12.97162
NOX - Oxides of Nitrogen Tons/Yr:	19.98591
SOX - Oxides of Sulphur Tons/Yr:	0.17592
Particulate Matter Tons/Yr:	5.9537501334
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.3227239708

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2012
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC

VISTA METALS CORP. (Continued) **1000395229**

SIC Code:	3354
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:	6.2667798064
Reactive Organic Gases Tons/Yr:	2.96279
Carbon Monoxide Emissions Tons/Yr:	12.1265
NOX - Oxides of Nitrogen Tons/Yr:	16.29041
SOX - Oxides of Sulphur Tons/Yr:	0.17045
Particulate Matter Tons/Yr:	6.3693
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.6562417

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2013
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3341
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:	6.4748873626
Reactive Organic Gases Tons/Yr:	3.10462415
Carbon Monoxide Emissions Tons/Yr:	12.60458
NOX - Oxides of Nitrogen Tons/Yr:	17.32429
SOX - Oxides of Sulphur Tons/Yr:	0.174899
Particulate Matter Tons/Yr:	6.668200124
Part. Matter 10 Micrometers and Smllr Tons/Yr:	5.9089441629

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2014
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3341
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:	7.5532190958
Reactive Organic Gases Tons/Yr:	4.57057
Carbon Monoxide Emissions Tons/Yr:	14.37436
NOX - Oxides of Nitrogen Tons/Yr:	17.52006
SOX - Oxides of Sulphur Tons/Yr:	0.186965
Particulate Matter Tons/Yr:	7.24048
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6.8834072

Name:	VISTA METALS CORP
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Year:	2015
County Code:	36

VISTA METALS CORP. (Continued) **1000395229**

Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3365
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:	9.0454282887
Reactive Organic Gases Tons/Yr:	5.9854719047
Carbon Monoxide Emissions Tons/Yr:	17.0945165
NOX - Oxides of Nitrogen Tons/Yr:	17.78252022
SOX - Oxides of Sulphur Tons/Yr:	0.1969325
Particulate Matter Tons/Yr:	9.69411245
Part. Matter 10 Micrometers and Smllr Tons/Yr:	9.336496277

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2016
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3341
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:	5.7040049087
Reactive Organic Gases Tons/Yr:	2.943491351
Carbon Monoxide Emissions Tons/Yr:	15.284618
NOX - Oxides of Nitrogen Tons/Yr:	17.40673
SOX - Oxides of Sulphur Tons/Yr:	0.1404621
Particulate Matter Tons/Yr:	6.498189
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6.17401505

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2017
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3341
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:	5.8727352045
Reactive Organic Gases Tons/Yr:	2.9910462732
Carbon Monoxide Emissions Tons/Yr:	14.81053775
NOX - Oxides of Nitrogen Tons/Yr:	18.401995
SOX - Oxides of Sulphur Tons/Yr:	0.13960721
Particulate Matter Tons/Yr:	6.95046488
Part. Matter 10 Micrometers and Smllr Tons/Yr:	6.60346843

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE

VISTA METALS CORP. (Continued) **1000395229**

City,State,Zip:	FONTANA, CA 92335
Year:	2018
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3341
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:	6.2565104802
Reactive Organic Gases Tons/Yr:	3.1005244691
Carbon Monoxide Emissions Tons/Yr:	16.602425
NOX - Oxides of Nitrogen Tons/Yr:	19.5844535
SOX - Oxides of Sulphur Tons/Yr:	0.210544
Particulate Matter Tons/Yr:	7.48049435
Part. Matter 10 Micrometers and Smllr Tons/Yr:	7.234904926

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2019
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3354
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:	6.2855977874
Reactive Organic Gases Tons/Yr:	3.214222224
Carbon Monoxide Emissions Tons/Yr:	16.962465
NOX - Oxides of Nitrogen Tons/Yr:	19.27371269
SOX - Oxides of Sulphur Tons/Yr:	0.2038315
Particulate Matter Tons/Yr:	7.239628215
Part. Matter 10 Micrometers and Smllr Tons/Yr:	7.0015104684

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2020
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3354
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:	6.2773883538
Reactive Organic Gases Tons/Yr:	3.9843679522
Carbon Monoxide Emissions Tons/Yr:	10.65084
NOX - Oxides of Nitrogen Tons/Yr:	12.7874
SOX - Oxides of Sulphur Tons/Yr:	0.1085154
Particulate Matter Tons/Yr:	4.465571
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4.3179188

VISTA METALS CORP. (Continued) **1000395229**

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2021
County Code:	36
Air Basin:	SC
Facility ID:	14495
Air District Name:	SC
SIC Code:	3354
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:	8.1377271505
Reactive Organic Gases Tons/Yr:	5.045623876
Carbon Monoxide Emissions Tons/Yr:	15.0067359
NOX - Oxides of Nitrogen Tons/Yr:	17.114375419
SOX - Oxides of Sulphur Tons/Yr:	0.175143818
Particulate Matter Tons/Yr:	3.883219532
Part. Matter 10 Micrometers and Smllr Tons/Yr:	3.7958739772

NPDES:

Name:	VISTA METALS CORP
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36I001033
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	03/25/1992
Operator Name:	Vista Metals Corp
Operator Address:	13425 Whittram Avenue
Operator City:	Fontana
Operator State:	California
Operator Zip:	92335

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213103

VISTA METALS CORP. (Continued) **1000395229**

Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I001033
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/25/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Vista Metals Corp
Discharge Address:	13425 Whittram Avenue
Discharge City:	Fontana
Discharge State:	California
Discharge Zip:	92335
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213103
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I001033
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/25/1992
Status:	Active
Status Date:	03/25/1992
Place Size:	22
Place Size Unit:	Acres
Contact:	Cesar Castaneda
Contact Title:	EHS Manager
Contact Phone:	909-829-6175
Contact Phone Ext:	Not reported
Contact Email:	cesar@vistametals.com
Operator Name:	Vista Metals Corp
Operator Address:	13425 Whittram Avenue
Operator City:	Fontana
Operator State:	California
Operator Zip:	92335
Operator Contact:	Cesar Castaneda
Operator Contact Title:	EHS Manager
Operator Contact Phone:	909-829-6175
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	cesar@vistametals.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-829-6175
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Etiwanda Creek
Certifier:	Andrew Primack
Certifier Title:	President
Certification Date:	10-JUN-15
Primary Sic:	3341-Secondary Smelting and Refining of Nonferrous Metals
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	VISTA METALS CORP
Address:	13425 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA 92335
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	213103
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 36I001033
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/25/1992
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	13425 Whittram Avenue
Discharge Name:	Vista Metals Corp
Discharge City:	Fontana
Discharge State:	California
Discharge Zip:	92335
Status:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	213103
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I001033
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/25/1992
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Vista Metals Corp
Discharge Address:	13425 Whittram Avenue
Discharge City:	Fontana
Discharge State:	California
Discharge Zip:	92335
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported

VISTA METALS CORP. (Continued) **1000395229**

Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	213103
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I001033
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	03/25/1992
Status:	Active
Status Date:	03/25/1992
Place Size:	22
Place Size Unit:	Acres
Contact:	Cesar Castaneda
Contact Title:	EHS Manager
Contact Phone:	909-829-6175
Contact Phone Ext:	Not reported
Contact Email:	cesar@vistametals.com
Operator Name:	Vista Metals Corp

VISTA METALS CORP. (Continued) **1000395229**

Operator Address:	13425 Whittram Avenue
Operator City:	Fontana
Operator State:	California
Operator Zip:	92335
Operator Contact:	Cesar Castaneda
Operator Contact Title:	EHS Manager
Operator Contact Phone:	909-829-6175
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	cesar@vistametals.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-829-6175
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Etiwanda Creek
Certifier:	Andrew Primack
Certifier Title:	President
Certification Date:	10-JUN-15
Primary Sic:	3341-Secondary Smelting and Refining of Nonferrous Metals
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:

Name:	VISTA METALS CORP.
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Region:	SAN BERNARDINO
Facility ID:	FA0007161
Owner:	Vista Metals Corp.
Permit Number:	PT0024510
Permit Category:	APSA 10,001-100,000 GAL FAC CAPACITY
Facility Status:	ACTIVE
Expiration Date:	10/31/2023

VISTA METALS CORP. (Continued) **1000395229**

Name: VISTA METALS CORP.
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0007161
Owner: Vista Metals Corp.
Permit Number: PT0002241
Permit Category: HAZARDOUS MATERIALS 71+ CHEMICALS
Facility Status: ACTIVE
Expiration Date: 10/31/2023

Name: VISTA METALS CORP.
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0007161
Owner: Vista Metals Corp.
Permit Number: PT0002224
Permit Category: RMP INSPECTION - PROGRAM 2
Facility Status: ACTIVE
Expiration Date: 10/31/2023

Name: VISTA METALS CORP.
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0007161
Owner: Vista Metals Corp.
Permit Number: PT0019346
Permit Category: UW HANDLER WITH ANOTHER CUPA PERMIT
Facility Status: ACTIVE
Expiration Date: 10/31/2023

Name: VISTA METALS CORP.
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0007161
Owner: Vista Metals Corp.
Permit Number: PT0002236
Permit Category: SUPER LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 10/31/2023

Name: VISTA METALS CORP.
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0007161
Owner: Vista Metals Corp.
Permit Number: PT0002223
Permit Category: CALARP FACILITY PERMIT
Facility Status: INACTIVE
Expiration Date: 10/31/2013

Name: VISTA METALS CORP.
Address: 13425 WHITTRAM AVE

VISTA METALS CORP. (Continued) **1000395229**

City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0007161
Owner: Vista Metals Corp.
Permit Number: PT0002230
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 10/31/2013

Name: VISTA METALS CORP.
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0007161
Owner: Vista Metals Corp.
Permit Number: PT0012132
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 10/31/2012

Name: VISTA METALS CORP.
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Region: SAN BERNARDINO
Facility ID: FA0007161
Owner: Vista Metals Corp.
Permit Number: PT0012133
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 10/31/2012

WDS:
Name: VISTA METALS CORP.
Address: 13425 WHITTRAM AVE
City: FONTANA
Facility ID: Santa Ana River 36I001033
Facility Type: Not reported
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 8
Facility Telephone: Not reported
Facility Contact: Not reported
Agency Name: VISTA METALS CORP.
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Not reported
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported

VISTA METALS CORP. (Continued) **1000395229**

Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:
Name: VISTA METALS CORP
Address: 13425 WHITTRAM AVENUE
City,State,Zip: FONTANA, CA 92335
Agency: Vista Metals Corp
Agency Address: 13425 Whittram Avenue, Fontana, CA 92335
Place/Project Type: Industrial - Secondary Smelting and Refining of Nonferrous Metals
SIC/NAICS: 3341
Region: 8
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 8 36I001033
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 03/25/1992
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.09461
Longitude: -117.51265

CERS:
Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Site ID: 169445
CERS ID: 92335VSTMT13425
CERS Description: Toxic Release Inventory

Violations:
Site ID: 169445

VISTA METALS CORP. (Continued) **1000395229**

Site Name: VISTA METALS CORPORATION
Violation Date: 08-12-2020
Citation: 22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)
Violation Description: Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.
Violation Notes: Returned to compliance on 08/25/2020. OBSERVATION: Daily inspections of the used oil and oily water tank systems have not been conducted and documented. CORRECTIVE ACTION: Submit a signed statement to this Division indicating daily tank inspections on the used oil and oily water tanks are conducted and documented.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 09-01-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to test or inspect each aboveground container for integrity based on industry standards discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use non-destructive testing. 4. Inspect each container s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas.
Violation Notes: Returned to compliance on 11/07/2017. The integrity testing of tanks has not been conducted as outlined in the SPCC Plan. Compliance Requirement: Submit a stament indicating that tanks AST-1, AST-2 and AST-5 have been tested per API 653 industry standards for initial integrity as outlined in the SPCC plan.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 04-19-1999
Citation: 01001 - Search Title 8 regulations for 3382 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 05-04-2007
Citation: 04001 - Search Title 8 regulations for 4184 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

VISTA METALS CORP. (Continued) **1000395229**

Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	12-31-2018
Citation:	03001 - Search Title 8 regulations for 3270(C) at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description:	Cal/OSHA Violation
Violation Notes:	Not reported
Violation Division:	Cal/OSHA
Violation Program:	OSHA
Violation Source:	CERS,

Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	10-01-2012
Citation:	03001 - Search Title 8 regulations for 4999 D02 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description:	Cal/OSHA Violation
Violation Notes:	Not reported
Violation Division:	Cal/OSHA
Violation Program:	OSHA
Violation Source:	CERS,

Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	08-12-2020
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	"Failure to test or inspect each aboveground container for integrity based on industry standards as discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use non-destructive testing. 4. Inspect each container s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas."
Violation Notes:	Returned to compliance on 08/25/2020. OBSERVATION: Annual tank inspections following STI SP001, as described in the SPCC plan, have not been conducted or documented. CORRECTIVE ACTION: Submit a signed statement to this Division indicating that annual tank inspections following the SPCC plan are being conducted.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,

Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	09-26-2014
Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes:	Returned to compliance on 12/02/2014.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS,

VISTA METALS CORP. (Continued) **1000395229**

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 05-22-2001
Citation: 01002 - Search Title 8 regulations for 3577 E at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 11-22-2013
Citation: 01001 - Search Title 8 regulations for 3650 T12 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Evaluation:
Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 01-10-2007
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-23-2001
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE APSA INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE CALARP INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP

VISTA METALS CORP. (Continued) **1000395229**

Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-22-2013
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-01-1999
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 04-27-2012
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection

VISTA METALS CORP. (Continued) **1000395229**

Eval Date: 08-12-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-27-2018
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency

VISTA METALS CORP. (Continued) **1000395229**

Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 169445
Site Name: VISTA METALS CORPORATION
Site Address: 13425 WHITTRAM AVE
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 09-26-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 169445
Facility Name: VISTA METALS CORPORATION
Env Int Type Code: FRS-AIR
Program ID: 110000479312
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.094600
Longitude: -117.513260

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Cesar Castaneda
Entity Title: EHS Manager
Affiliation Address: 13425 WHITTRAM AVENUE
Affiliation City: FONTANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Vista Metals Corp.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

VISTA METALS CORP. (Continued) **1000395229**

Affiliation Zip: Not reported
Affiliation Phone: (909) 823-4278,

Affiliation Type Desc: Technical Contact
Entity Name: Aubree Bovat
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: 9094833300,

Affiliation Type Desc: Document Preparer
Entity Name: ALL4
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: CESAR CASTANEDA
Entity Title: MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: GREG EMANUELSON
Entity Title: EHS MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: ROBERT PRAEFKE
Entity Title: VP OF OPERATIONS
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Shayne Seever
Entity Title: Not reported
Affiliation Address: 13425 Whittram Avenue

VISTA METALS CORP. (Continued) **1000395229**

Affiliation City: Fontana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Shayne Seever
Entity Title: Director of Special Projects
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Vista Metals Corp.
Entity Title: Not reported
Affiliation Address: 13425 Whittram Avenue
Affiliation City: Fontana
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92335
Affiliation Phone: (909) 823-4278,

Affiliation Type Desc: Public Contact
Entity Name: Shayne Seever
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: 9098296129,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 13425 Whittram Avenue
Affiliation City: Fontana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: CESAR CASTANEDA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Company Official

VISTA METALS CORP. (Continued) **1000395229**

Entity Name: Shayne Seever
Entity Title: Director of Special Projects
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: ,

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401,

Affiliation Type Desc: Legal Owner
Entity Name: Vista Metals Corp.
Entity Title: Not reported
Affiliation Address: 13425 Whittram Avenue
Affiliation City: Fontana
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92335
Affiliation Phone: (909) 823-4278,

Affiliation Type Desc: Parent Corporation
Entity Name: VISTA METALS CORP
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: VIS METALS CORPRT
Entity Title: Not reported
Affiliation Address: 13425 WHITTRAM AVENUE
Affiliation City: FONTANA
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: VISTA METALS CORP
Address: 13425 WHITTRAM AVENUE
City,State,Zip: FONTANA, CA 92335
Site ID: 546224
CERS ID: 270700
CERS Description: Industrial Facility Storm Water

VISTA METALS CORP. (Continued) **1000395229**

Violations:

Site ID:	546224
Site Name:	Vista Metals Corp
Violation Date:	11-30-1999
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient Report
Violation Notes:	Discharger has not submitted monthly reports in compliance with MRP.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	546224
Site Name:	Vista Metals Corp
Violation Date:	08-31-1999
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient Report
Violation Notes:	Discharger has not submitted monthly reports in compliance with MRP.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	546224
Site Name:	Vista Metals Corp
Violation Date:	07-02-1999
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient Report
Violation Notes:	Non-submittal of Annual Report. Due 7//1/1999
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	546224
Site Name:	Vista Metals Corp
Violation Date:	12-31-1999
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient Report
Violation Notes:	Discharger has not submitted monthly reports in compliance with MRP. Submitted as part of a quarterly report instead.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	546224
Site Name:	Vista Metals Corp
Violation Date:	09-30-1999
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient Report
Violation Notes:	Discharger has not submitted monthly reports in compliance with MRP.
Violation Division:	Water Boards
Violation Program:	INDSTW
Violation Source:	SMARTS,

Site ID:	546224
Site Name:	Vista Metals Corp
Violation Date:	10-31-1999
Citation:	2014-0057-DWQ - Industrial General Permit
Violation Description:	SW - Deficient Report

VISTA METALS CORP. (Continued) **1000395229**

Violation Notes: Discharger has not submitted monthly reports in compliance with MRP.
Violation Division: Water Boards
Violation Program: INDSTW
Violation Source: SMARTS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-28-2020
Violations Found: No
Eval Type: Industrial Storm Water Compliance Evaluation
Eval Notes: An inspection with Cesar Castaneda was conducted by regional board staff, Keith Elliott, Maria Marquez and Reyna Mendoza. The SWPPP was available onsite. The last BMP monthly inspection was dated 1/24/20. Housekeeping appeared to be in good condition. The site sampling point was located at the storage area lot north of Whittram Avenue. The latest discharge from this location was on January 17, 2019. Sampling results identified elevated levels of Aluminum. The facility south of Whittram has an infiltration system that reduces the likelihood for the facility to have discharge.
Eval Division: Water Boards
Eval Program: INDSTW
Eval Source: SMARTS,

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: Vista Metals Corp
Entity Title: Operator
Affiliation Address: 13425 Whittram Avenue
Affiliation City: Fontana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: ,

Name: VISTA METALS CORPORATION
Address: 13425 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335
Site ID: 169445
CERS ID: 110000479312
CERS Description: US EPA Air Emission Inventory System (EIS)

Violations:
Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 08-12-2020
Citation: 22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)
Violation Description: Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.
Violation Notes: Returned to compliance on 08/25/2020. OBSERVATION: Daily inspections of the used oil and oily water tank systems have not been conducted and documented. CORRECTIVE ACTION: Submit a signed statement to this Division indicating daily tank inspections on the used oil and oily water tanks are conducted and documented.
Violation Division: San Bernardino County Fire Department

VISTA METALS CORP. (Continued) **1000395229**

Violation Program:	HW
Violation Source:	CERS,
Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	09-01-2017
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to test or inspect each aboveground container for integrity based on industry standards discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use non-destructive testing. 4. Inspect each container s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas.
Violation Notes:	Returned to compliance on 11/07/2017. The integrity testing of tanks has not been conducted as outlined in the SPCC Plan. Compliance Requirement: Submit a stament indicating that tanks AST-1, AST-2 and AST-5 have been tested per API 653 industry standards for initial integrity as outlined in the SPCC plan.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	04-19-1999
Citation:	01001 - Search Title 8 regulations for 3382 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description:	Cal/OSHA Violation
Violation Notes:	Not reported
Violation Division:	Cal/OSHA
Violation Program:	OSHA
Violation Source:	CERS,
Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	05-04-2007
Citation:	04001 - Search Title 8 regulations for 4184 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description:	Cal/OSHA Violation
Violation Notes:	Not reported
Violation Division:	Cal/OSHA
Violation Program:	OSHA
Violation Source:	CERS,
Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	12-31-2018
Citation:	03001 - Search Title 8 regulations for 3270(C) at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description:	Cal/OSHA Violation
Violation Notes:	Not reported
Violation Division:	Cal/OSHA
Violation Program:	OSHA
Violation Source:	CERS,
Site ID:	169445

VISTA METALS CORP. (Continued) **1000395229**

Site Name: VISTA METALS CORPORATION
Violation Date: 10-01-2012
Citation: 03001 - Search Title 8 regulations for 4999 D02 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 08-12-2020
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: "Failure to test or inspect each aboveground container for integrity based on industry standards as discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use non-destructive testing. 4. Inspect each container s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas."
Violation Notes: Returned to compliance on 08/25/2020. OBSERVATION: Annual tank inspections following STI SP001, as described in the SPCC plan, have not been conducted or documented. CORRECTIVE ACTION: Submit a signed statement to this Division indicating that annual tank inspections following the SPCC plan are being conducted.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 09-26-2014
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 12/02/2014.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 05-22-2001
Citation: 01002 - Search Title 8 regulations for 3577 E at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

VISTA METALS CORP. (Continued) **1000395229**

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 11-22-2013
Citation: 01001 - Search Title 8 regulations for 3650 T12 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Evaluation:
Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 01-10-2007
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-23-2001
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE APSA INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE CALARP INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

VISTA METALS CORP. (Continued) **1000395229**

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-22-2013
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-01-1999
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 04-27-2012
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: Yes

VISTA METALS CORP. (Continued) **1000395229**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-27-2018
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department

VISTA METALS CORP. (Continued) **1000395229**

Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 169445
Site Name: VISTA METALS CORPORATION
Site Address: 13425 WHITTRAM AVE
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 09-26-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 169445
Facility Name: VISTA METALS CORPORATION
Env Int Type Code: FRS-AIR
Program ID: 110000479312
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.094600
Longitude: -117.513260

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Cesar Castaneda
Entity Title: EHS Manager
Affiliation Address: 13425 WHITTRAM AVENUE
Affiliation City: FONTANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Vista Metals Corp.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 823-4278,

Affiliation Type Desc: Technical Contact
Entity Name: Aubree Bovat
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 92335

VISTA METALS CORP. (Continued) **1000395229**

Affiliation Phone: 9094833300,

Affiliation Type Desc: Document Preparer
Entity Name: ALL4
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: CESAR CASTANEDA
Entity Title: MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: GREG EMANUELSON
Entity Title: EHS MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: ROBERT PRAEFKE
Entity Title: VP OF OPERATIONS
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Shayne Seever
Entity Title: Not reported
Affiliation Address: 13425 Whittram Avenue
Affiliation City: Fontana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Shayne Seever
Entity Title: Director of Special Projects
Affiliation Address: Not reported
Affiliation City: Not reported

VISTA METALS CORP. (Continued) **1000395229**

Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	Vista Metals Corp.
Entity Title:	Not reported
Affiliation Address:	13425 Whittram Avenue
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 823-4278,
Affiliation Type Desc:	Public Contact
Entity Name:	Shayne Seever
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	9098296129,
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	13425 Whittram Avenue
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	,
Affiliation Type Desc:	Public Contact
Entity Name:	CESAR CASTANEDA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Company Official
Entity Name:	Shayne Seever
Entity Title:	Director of Special Projects
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	92335
Affiliation Phone:	,
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire

VISTA METALS CORP. (Continued) **1000395229**

Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Legal Owner
Entity Name:	Vista Metals Corp.
Entity Title:	Not reported
Affiliation Address:	13425 Whittram Avenue
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 823-4278,
Affiliation Type Desc:	Parent Corporation
Entity Name:	VISTA METALS CORP
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	VIS METALS CORPRT
Entity Title:	Not reported
Affiliation Address:	13425 WHITTRAM AVENUE
Affiliation City:	FONTANA
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

Name:	VISTA METALS CORPORATION
Address:	13425 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Site ID:	169445
CERS ID:	10046440
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	08-12-2020
Citation:	22 CCR 15 66265.195(c) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(c)
Violation Description:	Failure to conduct and document inspections of hazardous waste tank systems each operating day and retain records of those inspections at the facility.
Violation Notes:	Returned to compliance on 08/25/2020. OBSERVATION: Daily inspections of the used oil and oily water tank systems have not been conducted and documented. CORRECTIVE ACTION: Submit a signed statement to this

VISTA METALS CORP. (Continued) **1000395229**

	Division indicating daily tank inspections on the used oil and oily water tanks are conducted and documented.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS,
Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	09-01-2017
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to test or inspect each aboveground container for integrity based on industry standards discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use non-destructive testing. 4. Inspect each container s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas.
Violation Notes:	Returned to compliance on 11/07/2017. The integrity testing of tanks has not been conducted as outlined in the SPCC Plan. Compliance Requirement: Submit a stament indicating that tanks AST-1, AST-2 and AST-5 have been tested per API 653 industry standards for initial integrity as outlined in the SPCC plan.
Violation Division:	San Bernardino County Fire Department
Violation Program:	APSA
Violation Source:	CERS,
Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	04-19-1999
Citation:	01001 - Search Title 8 regulations for 3382 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description:	Cal/OSHA Violation
Violation Notes:	Not reported
Violation Division:	Cal/OSHA
Violation Program:	OSHA
Violation Source:	CERS,
Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	05-04-2007
Citation:	04001 - Search Title 8 regulations for 4184 A at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description:	Cal/OSHA Violation
Violation Notes:	Not reported
Violation Division:	Cal/OSHA
Violation Program:	OSHA
Violation Source:	CERS,
Site ID:	169445
Site Name:	VISTA METALS CORPORATION
Violation Date:	12-31-2018
Citation:	03001 - Search Title 8 regulations for 3270(C) at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description:	Cal/OSHA Violation
Violation Notes:	Not reported
Violation Division:	Cal/OSHA
Violation Program:	OSHA

VISTA METALS CORP. (Continued) **1000395229**

Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 10-01-2012
Citation: 03001 - Search Title 8 regulations for 4999 D02 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 08-12-2020
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: "Failure to test or inspect each aboveground container for integrity based on industry standards as discussed in the SPCC Plan: 1. On a regular schedule. 2. After making material repairs. 3. Use non-destructive testing. 4. Inspect each container s supports, foundations, and outside for signs of deterioration, discharges, or accumulation of oil inside diked areas."
Violation Notes: Returned to compliance on 08/25/2020. OBSERVATION: Annual tank inspections following STI SP001, as described in the SPCC plan, have not been conducted or documented. CORRECTIVE ACTION: Submit a signed statement to this Division indicating that annual tank inspections following the SPCC plan are being conducted.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 09-26-2014
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 12/02/2014.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 05-22-2001
Citation: 01002 - Search Title 8 regulations for 3577 E at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA

VISTA METALS CORP. (Continued) **1000395229**

Violation Program: OSHA
Violation Source: CERS,

Site ID: 169445
Site Name: VISTA METALS CORPORATION
Violation Date: 11-22-2013
Citation: 01001 - Search Title 8 regulations for 3650 T12 at https://www.dir.ca.gov/title8/index/T8index.asp
Violation Description: Cal/OSHA Violation
Violation Notes: Not reported
Violation Division: Cal/OSHA
Violation Program: OSHA
Violation Source: CERS,

Evaluation:
Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 01-10-2007
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-23-2001
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE APSA INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: ROUTINE CALARP INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department

VISTA METALS CORP. (Continued) **1000395229**

Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-22-2013
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 03-01-1999
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 04-27-2012
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

VISTA METALS CORP. (Continued) **1000395229**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Eval General Type: Occupational Safety and Health Administration Inspection
Eval Date: 08-27-2018
Violations Found: Yes
Eval Type: Cal/OSHA Inspection
Eval Notes: Not reported
Eval Division: Cal/OSHA
Eval Program: OSHA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: CalARP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-12-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2014
Violations Found: No

VISTA METALS CORP. (Continued) **1000395229**

Eval Type: Routine done by local agency
Eval Notes: ROUTINE GENERATOR INSPECTION-VISTA METALS
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS,

Enforcement Action:
Site ID: 169445
Site Name: VISTA METALS CORPORATION
Site Address: 13425 WHITTRAM AVE
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 09-26-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS,

Coordinates:
Site ID: 169445
Facility Name: VISTA METALS CORPORATION
Env Int Type Code: FRS-AIR
Program ID: 110000479312
Coord Name: Not reported
Ref Point Type Desc: Unknown,
Latitude: 34.094600
Longitude: -117.513260

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Cesar Castaneda
Entity Title: EHS Manager
Affiliation Address: 13425 WHITTRAM AVENUE
Affiliation City: FONTANA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Operator
Entity Name: Vista Metals Corp.
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (909) 823-4278,

Affiliation Type Desc: Technical Contact
Entity Name: Aubree Bovat
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported

VISTA METALS CORP. (Continued) **1000395229**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: 9094833300,

Affiliation Type Desc: Document Preparer
Entity Name: ALL4
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: CESAR CASTANEDA
Entity Title: MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: GREG EMANUELSON
Entity Title: EHS MANAGER
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: ROBERT PRAEFKE
Entity Title: VP OF OPERATIONS
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Shayne Seever
Entity Title: Not reported
Affiliation Address: 13425 Whittram Avenue
Affiliation City: Fontana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Shayne Seever

VISTA METALS CORP. (Continued) **1000395229**

Entity Title: Director of Special Projects
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Property Owner
Entity Name: Vista Metals Corp.
Entity Title: Not reported
Affiliation Address: 13425 Whittram Avenue
Affiliation City: Fontana
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92335
Affiliation Phone: (909) 823-4278,

Affiliation Type Desc: Public Contact
Entity Name: Shayne Seever
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: 9098296129,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 13425 Whittram Avenue
Affiliation City: Fontana
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: ,

Affiliation Type Desc: Public Contact
Entity Name: CESAR CASTANEDA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Company Official
Entity Name: Shayne Seever
Entity Title: Director of Special Projects
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: 92335
Affiliation Phone: ,

VISTA METALS CORP. (Continued) **1000395229**

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401,
Affiliation Type Desc:	Legal Owner
Entity Name:	Vista Metals Corp.
Entity Title:	Not reported
Affiliation Address:	13425 Whittram Avenue
Affiliation City:	Fontana
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92335
Affiliation Phone:	(909) 823-4278,
Affiliation Type Desc:	Parent Corporation
Entity Name:	VISTA METALS CORP
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,
Affiliation Type Desc:	Property Owner
Entity Name:	VIS METALS CORPRT
Entity Title:	Not reported
Affiliation Address:	13425 WHITTRAM AVENUE
Affiliation City:	FONTANA
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

N71 **KAISER SHELL CASING PLANT** **FUDS** **1024903552**
SSE **N/A**
1/2-1 **FONTANA, CA**
0.742 mi.
3919 ft. **Site 1 of 3 in cluster N**

Relative: FUDS:
Lower

Actual: EPA Region:	09
1047 ft. Installation ID:	CA99799F546900
Congressional District Number:	35
Name:	KAISER SHELL CASING PLANT
FUDS Number:	J09CA0404
City:	FONTANA
State:	CA
County:	SAN BERNARDINO
Object ID:	1735
USACE Division:	SPD

KAISER SHELL CASING PLANT (Continued) **1024903552**

USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	PRIV: PRIVATE businesses
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=61087
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not reported
Project Required:	No
Feature Description:	155 mm shell casing plant
Latitude:	34.0775
Longitude:	-117.52305556

N72 **KAISER SHELL CASING PLT** **ENVIROSTOR** **S107736524**
SSE **N/A**
1/2-1 **FONTANA, CA 91764**
0.742 mi.
3920 ft. **Site 2 of 3 in cluster N**

Relative: **Lower**

Actual: **1048 ft.**

ENVIROSTOR:

Name:	KAISER SHELL CASING PLT
Address:	Not reported
City,State,Zip:	FONTANA, CA 91764
Facility ID:	80000271
Status:	No Further Action
Status Date:	11/27/2013
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	15
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Dan Ward
Division Branch:	Cleanup Cypress
Assembly:	50
Senate:	29
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	34.0775
Longitude:	-117.5230
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Explosives (UXO, MEC
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	J09CA1080
Alias Type:	Alternate Name
Alias Name:	J09CA1085
Alias Type:	Alternate Name
Alias Name:	CA99799F546900
Alias Type:	Federal Facility ID
Alias Name:	J09CA0404
Alias Type:	INPR
Alias Name:	80000271
Alias Type:	Envirostor ID Number

KAISER SHELL CASING PLT (Continued) **S107736524**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	No Department of Defense Action Indicated (NDAI)
Completed Date:	11/27/2013
Comments:	Please note that this determination is based on information in DTSC s and the Water Boards possession at this time concerning Department of Defense (DoD) activities on the sites listed above. DTSC and the Water Boards reserve the right to address any appropriate environmental or human health related issue, should additional information concerning the environmental condition of these sites become available in the future.
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

N73 **NIRP TAYLOR FORGE LAB (J09CA1080)** **ENVIROSTOR** **S107737427**
SSE **N/A**
1/2-1 **FONTANA, CA 92335**
0.742 mi.
3920 ft. **Site 3 of 3 in cluster N**

Relative: **Lower**

Actual: **1048 ft.**

ENVIROSTOR:

Name:	NIRP TAYLOR FORGE LAB (J09CA1080)
Address:	Not reported
City,State,Zip:	FONTANA, CA 92335
Facility ID:	80000675
Status:	No Further Action
Status Date:	11/27/2013
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	15
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Dan Ward
Division Branch:	Cleanup Cypress
Assembly:	50
Senate:	29
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	34.0775
Longitude:	-117.5230
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED

NIRP TAYLOR FORGE LAB (J09CA1080) (Continued) **S107737427**

Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: J09CA0404
Alias Type: Alternate Name
Alias Name: J09CA1085
Alias Type: Alternate Name
Alias Name: CA99799F597900
Alias Type: Federal Facility ID
Alias Name: J09CA1080
Alias Type: INPR
Alias Name: 80000675
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 02/24/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: No Department of Defense Action Indicated (NDAI)
Completed Date: 11/27/2013
Comments: Please note that this determination is based on information in DTSC s and the Water Boards possession at this time concerning Department of Defense (DoD) activities on the sites listed above. DTSC and the Water Boards reserve the right to address any appropriate environmental or human health related issue, should additional information concerning the environmental condition of these sites become available in the future.

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

O74 **WORLD OIL ENVIRONMENTAL SERVICES - FONTANA** **CORRACTS** **1000367263**
ENE **13579 WHITTRAM AVENUE** **RCRA-TSDF** **CAT080025711**
1/2-1 **FONTANA, CA 92335** **RCRA NonGen / NLR**
0.908 mi. **US FIN ASSUR**
4795 ft. **Site 1 of 2 in cluster O** **PADS**
HWP

Relative:
Higher

Actual:
1142 ft.

CORRACTS:
Name: WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Address: 13579 WHITTRAM AVENUE
Address 2: Not reported
EPA ID: CAT080025711
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 20030805
Air Release Indicator: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Address: 13579 WHITTRAM AVENUE
Address 2: Not reported
EPA ID: CAT080025711
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 20070329
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Address: 13579 WHITTRAM AVENUE
Address 2: Not reported
EPA ID: CAT080025711
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 20050627
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Address: 13579 WHITTRAM AVENUE
Address 2: Not reported
EPA ID: CAT080025711
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 20040919
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Address: 13579 WHITTRAM AVENUE
Address 2: Not reported
EPA ID: CAT080025711
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 20040716
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Address: 13579 WHITTRAM AVENUE
Address 2: Not reported
EPA ID: CAT080025711
Area Name: ENTIRE FACILITY

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Actual Date: 20080623
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Address: 13579 WHITTRAM AVENUE
Address 2: Not reported
EPA ID: CAT080025711
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 20031115
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA TSDF:
Treatment Storage and Disposal Type: Storage
Full Enforcement Universe: Not reported
Corrective Action Workload Universe: Yes
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Storage
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
Operating TSDF Universe: Not reported
Commercial TSD Indicator: Yes
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
TSDFs Only Subject to CA under Discretionary Auth Universe: Yes

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

RCRA Listings:

Date Form Received by Agency:	20230222
Handler Name:	World Oil Environmental Services - Fontana
Handler Address:	WHITTRAM AVENUE
Handler City,State,Zip:	FONTANA, CA 92335-0000
EPA ID:	CAT080025711
Contact Name:	BRUCE POURHASSANIAN
Contact Address:	WHITTRAM AVENUE
Contact City,State,Zip:	FONTANA, CA 92335-0000
Contact Telephone:	909-356-9025 x4301
Contact Fax:	909-356-4321
Contact Email:	BPOURHASSANIAN@WORLDOILCORP.COM
Contact Title:	TERMINAL MANAGER
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	2022
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	WHITTRAM AVENUE
Mailing City,State,Zip:	FONTANA, CA 92335-0000
Owner Name:	Advanced Environmental, Inc. Dba World Oil Environmental Services Fontana
Owner Type:	Private
Operator Name:	Advanced Environmental, Inc. Dba World Oil Environmental Services Fontana
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	Yes
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Accomplished
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	Yes

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20230612
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2021

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: Ignitable Waste

Waste Code: D008
Waste Description: Lead

Waste Code: D039
Waste Description: Tetrachloroethylene

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Legal Status:	Private
Date Became Current:	19951101
Date Ended Current:	Not reported
Owner/Operator Address:	13579 WHITTRAM AVENUE
Owner/Operator City,State,Zip:	FONTANA, CA 92335-0000
Owner/Operator Telephone:	562-928-0100
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	MPAKKALA@WORLDOILCORP.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ADVANCED ENVIRONMENTAL, INC.
Legal Status:	Private
Date Became Current:	19951101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ADVANCED ENVIRONMENTAL, INC.
Legal Status:	Private
Date Became Current:	19951101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ADVANCED ENVIRONMENTAL, INC.
Legal Status:	Private
Date Became Current:	19951101
Date Ended Current:	Not reported
Owner/Operator Address:	13579 WHITTRAN AVENUE
Owner/Operator City,State,Zip:	FONTANA, CA 92335
Owner/Operator Telephone:	909-356-9025
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Legal Status:	Private
Date Became Current:	19951101
Date Ended Current:	Not reported
Owner/Operator Address:	13579 WHITTRAM AVENUE

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Owner/Operator City,State,Zip: FONTANA, CA 92335-0000
Owner/Operator Telephone: 909-356-9025
Owner/Operator Telephone Ext: 4301
Owner/Operator Fax: Not reported
Owner/Operator Email: BPOURHASSANIAN@WORLDOILCORP.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: ADVANCED ENVIRONMENTAL, INC.
Legal Status: Private
Date Became Current: 19951101
Date Ended Current: Not reported
Owner/Operator Address: 13579 WHITTRAM AVENUE
Owner/Operator City,State,Zip: FONTANA, CA 92335
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Legal Status: Private
Date Became Current: 19951101
Date Ended Current: Not reported
Owner/Operator Address: 13579 WHITTRAM AVENUE
Owner/Operator City,State,Zip: FONTANA, CA 92335-0000
Owner/Operator Telephone: 909-356-9025
Owner/Operator Telephone Ext: 4301
Owner/Operator Fax: Not reported
Owner/Operator Email: BPOURHASSANIAN@WORLDOILCORP.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: NOT REQUIRED
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ADVANCED ENVIRONMENTAL, INC.
Legal Status: Private
Date Became Current: 19951101
Date Ended Current: Not reported
Owner/Operator Address: 13579 WHITTRAM AVENUE
Owner/Operator City,State,Zip: FONTANA, CA 92335
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ADVANCED ENVIRONMENTAL, INC.

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Legal Status: Private
Date Became Current: 19951101
Date Ended Current: Not reported
Owner/Operator Address: 13579 WHITTRAM AVENUE
Owner/Operator City,State,Zip: FONTANA, CA 92335
Owner/Operator Telephone: 909-356-9025
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Legal Status: Private
Date Became Current: 19951101
Date Ended Current: Not reported
Owner/Operator Address: 13579 WHITTRAM AVENUE
Owner/Operator City,State,Zip: FONTANA, CA 92335-0000
Owner/Operator Telephone: 909-356-9025
Owner/Operator Telephone Ext: 4301
Owner/Operator Fax: Not reported
Owner/Operator Email: BPOURHASSANIAN@WORLDOILCORP.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: FNHJEH ENVIRONMENTAL MANAGEMENT, INC.
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ADVANCED ENVIRONMENTAL, INC.
Legal Status: Private
Date Became Current: 19951101
Date Ended Current: Not reported
Owner/Operator Address: 13579 WHITTRAM AVENUE
Owner/Operator City,State,Zip: FONTANA, CA 92335-0000
Owner/Operator Telephone: 909-356-9025
Owner/Operator Telephone Ext: 4301
Owner/Operator Fax: Not reported
Owner/Operator Email: BPOURHASSANIAN@WORLDOILCORP.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: ADVANCED ENVIRONMENTAL, INC.
Legal Status: Private
Date Became Current: 19951101
Date Ended Current: Not reported
Owner/Operator Address: 13579 WHITTRAM AVENUE
Owner/Operator City,State,Zip: FONTANA, CA 92335
Owner/Operator Telephone: 909-356-9025
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ADVANCED ENVIRONMENTAL, INC.
Legal Status: Private
Date Became Current: 19951101
Date Ended Current: Not reported
Owner/Operator Address: 13579 WHITTRAM AVENUE
Owner/Operator City,State,Zip: FONTANA, CA 92335
Owner/Operator Telephone: 323-268-3387
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Legal Status: Private
Date Became Current: 19951101
Date Ended Current: Not reported
Owner/Operator Address: 13579 WHITTRAM AVENUE
Owner/Operator City,State,Zip: FONTANA, CA 92335-0000
Owner/Operator Telephone: 562-928-0100
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: MPAKKALA@WORLDOILCORP.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES
Legal Status: Private
Date Became Current: 19951101
Date Ended Current: Not reported
Owner/Operator Address: 13579 WHITTRAM AVENUE
Owner/Operator City,State,Zip: FONTANA, CA 92335-0000
Owner/Operator Telephone: 909-356-9025
Owner/Operator Telephone Ext: 4301
Owner/Operator Fax: Not reported
Owner/Operator Email: BPOURHASSANIAN@WORLDOILCORP.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: ADVANCED ENVIRONMENTAL, INC.
Legal Status: Private
Date Became Current: 19951101
Date Ended Current: Not reported
Owner/Operator Address: 13579 WHITTRAM AVENUE
Owner/Operator City,State,Zip: FONTANA, CA 92335
Owner/Operator Telephone: 909-356-9025
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ADVANCED ENVIRONMENTAL, INC.
Legal Status: Private
Date Became Current: 19951101
Date Ended Current: Not reported
Owner/Operator Address: 13579 WHITTRAM AVENUE

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Owner/Operator City,State,Zip: FONTANA, CA 92335-0000
Owner/Operator Telephone: 909-356-9025
Owner/Operator Telephone Ext: 4301
Owner/Operator Fax: Not reported
Owner/Operator Email: BPOURHASSANIAN@WORLDOILCORP.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Legal Status: Private
Date Became Current: 19951101
Date Ended Current: Not reported
Owner/Operator Address: 13579 WHITTRAM AVENUE
Owner/Operator City,State,Zip: FONTANA, CA 92335-0000
Owner/Operator Telephone: 909-356-9025
Owner/Operator Telephone Ext: 4301
Owner/Operator Fax: Not reported
Owner/Operator Email: BPOURHASSANIAN@WORLDOILCORP.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES
Legal Status: Private
Date Became Current: 19951101
Date Ended Current: Not reported
Owner/Operator Address: 13579 WHITTRAM AVENUE
Owner/Operator City,State,Zip: FONTANA, CA 92335-0000
Owner/Operator Telephone: 909-356-9025
Owner/Operator Telephone Ext: 4301
Owner/Operator Fax: Not reported
Owner/Operator Email: BPOURHASSANIAN@WORLDOILCORP.COM

Owner/Operator Indicator: Operator
Owner/Operator Name: ADVNCED ENVRONMENTAL, INC.
Legal Status: Private
Date Became Current: 19951101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20060228
Handler Name: ADVANCED ENVIRONMENTAL, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Receive Date: 20100701
Handler Name: ADVANCED ENVIRONMENTAL, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120911
Handler Name: ADVANCED ENVIRONMENTAL, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20161028
Handler Name: ADVANCED ENVIRONMENTAL, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20180301
Handler Name: ADVANCED ENVIRONMENTAL INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20210225
Handler Name: WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20220228
Handler Name: WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20230222
Handler Name: WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: FNHJEH ENVIRONMENTAL MANAGEMENT INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20190104
Handler Name: ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19900130
Handler Name: FNHJEH ENVIRONMENTAL MANAGEMENT INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: ADVANCED ENVIRONMENTAL, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020228
Handler Name: ADVANCED ENVIRONMENTAL, INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080512
Handler Name: ADVANCED ENVIRONMENTAL, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 324191

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

NAICS Description: PETROLEUM LUBRICATING OIL AND GREASE MANUFACTURING

NAICS Code: 562112
NAICS Description: HAZARDOUS WASTE COLLECTION

Has the Facility Received Notices of Violations:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20120228
Actual Return to Compliance Date:	20120505
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	524
Date of Enforcement Action:	20120501
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19931206
Actual Return to Compliance Date:	19941222
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	004
Date of Enforcement Action:	19931206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20080618
Actual Return to Compliance Date:	20080828
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20090219
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	SINGLE SITE CA/FO
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount: Not reported
Final Monetary Amount: 9000
Paid Amount: Not reported
Final Count: 1
Final Amount: 9000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19931206
Actual Return to Compliance Date: 19941222
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 004
Date of Enforcement Action: 19931206
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Manifest/Records/Reporting
Date Violation was Determined: 20020430
Actual Return to Compliance Date: 20030701
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20020514
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 20000621
Actual Return to Compliance Date: 20010613
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20000621
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19990616
Actual Return to Compliance Date:	20001002
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	500
Date of Enforcement Action:	19991115
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Preparedness and Prevention
Date Violation was Determined:	20020430
Actual Return to Compliance Date:	20030701
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	503
Date of Enforcement Action:	20020807
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Preparedness and Prevention
Date Violation was Determined: 20020430
Actual Return to Compliance Date: 20030701
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20020514
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19980323
Actual Return to Compliance Date:	19981007
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	008
Date of Enforcement Action:	19980922
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	4000
Paid Amount:	4000
Final Count:	1
Final Amount:	4000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19951206
Actual Return to Compliance Date:	19960610
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	19951206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19951220
Actual Return to Compliance Date:	19960610
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	005
Date of Enforcement Action:	19951206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19951206
Actual Return to Compliance Date: 19960610
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 19951206
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20040614
Actual Return to Compliance Date:	20040719
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20040617
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19950131
Actual Return to Compliance Date:	19960610
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20220411
Actual Return to Compliance Date:	20220512
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	532
Date of Enforcement Action:	20220726
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Transporters - Manifest System and Recordkeeping
Date Violation was Determined:	19980825
Actual Return to Compliance Date:	19990521
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	20060613
Actual Return to Compliance Date:	20060828
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20060626
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19970415
Actual Return to Compliance Date:	19971223
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19970827
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	4000
Paid Amount:	4000
Final Count:	1
Final Amount:	4000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Permits - Application
Date Violation was Determined:	20020430
Actual Return to Compliance Date:	20050421
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	503
Date of Enforcement Action:	20020807
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19950131
Actual Return to Compliance Date:	19960610
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19931206
Actual Return to Compliance Date: 19941222
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 004
Date of Enforcement Action: 19931206
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 20030623
Actual Return to Compliance Date: 20030701
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 506
Date of Enforcement Action: 20031023
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20020430
Actual Return to Compliance Date:	20030701
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20020514
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20080618
Actual Return to Compliance Date:	20080828
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	514
Date of Enforcement Action:	20080911
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20000621
Actual Return to Compliance Date:	20010613
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	501
Date of Enforcement Action:	20001003
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Transporters - General
Date Violation was Determined:	19900524
Actual Return to Compliance Date:	19930514
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19900706
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20090520
Actual Return to Compliance Date: 20090603
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20090520
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 20000621
Actual Return to Compliance Date: 20010613
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20000621
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20220411
Actual Return to Compliance Date: 20220512
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 532
Date of Enforcement Action: 20220726
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19931206
Actual Return to Compliance Date:	19941222
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Permits - Application
Date Violation was Determined:	20020430
Actual Return to Compliance Date:	20050421
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20020514
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20010618
Actual Return to Compliance Date: 20021111
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 210
Date of Enforcement Action: 20010621
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20090520
Actual Return to Compliance Date: 20090603
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 515
Date of Enforcement Action: 20090723
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20020515
Actual Return to Compliance Date: 20030425
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20021211
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20220411
Actual Return to Compliance Date:	20220512
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	309
Date of Enforcement Action:	20220425
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20010521
Actual Return to Compliance Date:	20020430
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20010612
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19950131
Actual Return to Compliance Date:	19960610
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19970415
Actual Return to Compliance Date:	19971223
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	006
Date of Enforcement Action:	19970827
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	4000
Paid Amount:	4000
Final Count:	1
Final Amount:	4000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19930514
Actual Return to Compliance Date:	19941222
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19930531
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20220411
Actual Return to Compliance Date:	20220512
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	309
Date of Enforcement Action:	20220425
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Transporters - Manifest System and Recordkeeping
Date Violation was Determined:	19980825
Actual Return to Compliance Date:	19990521
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	201
Date of Enforcement Action:	19990521
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	33000
Paid Amount:	Not reported
Final Count:	1
Final Amount:	33000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	19980825
Actual Return to Compliance Date:	19980825
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	19980825
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19931206
Actual Return to Compliance Date:	19941222
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20151027
Actual Return to Compliance Date:	20160204
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	528
Date of Enforcement Action:	20151231
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Transporters - General
Date Violation was Determined:	19980825
Actual Return to Compliance Date:	19990521
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19980924
Enforcement Identifier:	007
Date of Enforcement Action:	19980825
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	33000
Paid Amount:	Not reported
Final Count:	1
Final Amount:	33000

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Transporters - Manifest System and Recordkeeping
Date Violation was Determined:	19980825
Actual Return to Compliance Date:	19990521
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	521
Date of Enforcement Action:	19981007
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20030623
Actual Return to Compliance Date:	20030701
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	200
Date of Enforcement Action:	20030701
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19950131
Actual Return to Compliance Date:	19960610
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Tank System Standards
Date Violation was Determined: 20020430
Actual Return to Compliance Date: 20030701
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20020514
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 20060613
Actual Return to Compliance Date: 20060828
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 510
Date of Enforcement Action: 20060912
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20151027
Actual Return to Compliance Date: 20160204
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 305
Date of Enforcement Action: 20151222
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19931206
Actual Return to Compliance Date: 19941222
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 20070604
Actual Return to Compliance Date: 20080314
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20070612
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Tank System Standards
Date Violation was Determined:	20020430
Actual Return to Compliance Date:	20030701
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	503
Date of Enforcement Action:	20020807
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19931206
Actual Return to Compliance Date:	19941222
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	004
Date of Enforcement Action:	19931206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19930514
Actual Return to Compliance Date:	19941222
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19930531
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20220411
Actual Return to Compliance Date:	20220512
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	309
Date of Enforcement Action:	20220425
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Permits - Application
Date Violation was Determined:	20020430
Actual Return to Compliance Date:	20050421
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	252
Date of Enforcement Action:	20050430
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	SINGLE SITE CA/FO
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	19500
Paid Amount:	Not reported
Final Count:	1
Final Amount:	19500
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	20070604
Actual Return to Compliance Date:	20080314
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	512
Date of Enforcement Action:	20070820
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19900524
Actual Return to Compliance Date:	19930514
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19900706
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19990616
Actual Return to Compliance Date: 20001002
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 19991115
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	20020515
Actual Return to Compliance Date:	20030425
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	504
Date of Enforcement Action:	20020515
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 20010618
Actual Return to Compliance Date: 20021111
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 505
Date of Enforcement Action: 20010618
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20080618
Actual Return to Compliance Date: 20080828
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20080715
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20151027
Actual Return to Compliance Date: 20160204
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 305
Date of Enforcement Action: 20151222
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 20000621
Actual Return to Compliance Date: 20010613
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 501
Date of Enforcement Action: 20001003
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19970415
Actual Return to Compliance Date: 19971223
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 006
Date of Enforcement Action: 19970827
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 4000
Paid Amount: 4000
Final Count: 1
Final Amount: 4000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 20000621
Actual Return to Compliance Date: 20010613
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 20000621
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Transporters - Manifest System and Recordkeeping
Date Violation was Determined: 19980825
Actual Return to Compliance Date: 19990521
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 200
Date of Enforcement Action: 19980825
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20000621
Actual Return to Compliance Date:	20010613
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	251
Date of Enforcement Action:	20010613
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19931206
Actual Return to Compliance Date:	19941222
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	004
Date of Enforcement Action:	19931206
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20000621
Actual Return to Compliance Date:	20010613
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	251
Date of Enforcement Action:	20010613
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19931206
Actual Return to Compliance Date:	19941222
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20220411
Actual Return to Compliance Date: 20220512
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 532
Date of Enforcement Action: 20220726
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Manifest/Records/Reporting
Date Violation was Determined:	20020430
Actual Return to Compliance Date:	20030701
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	503
Date of Enforcement Action:	20020807
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20120228
Actual Return to Compliance Date:	20120505
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	302
Date of Enforcement Action:	20120315
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 19980825
Actual Return to Compliance Date: 19980825
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 521
Date of Enforcement Action: 19981007
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20000621
Actual Return to Compliance Date:	20010613
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	501
Date of Enforcement Action:	20001003
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20010521
Actual Return to Compliance Date:	20020430
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	502
Date of Enforcement Action:	20010816
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 20070604
Actual Return to Compliance Date: 20080314
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 201
Date of Enforcement Action: 20080314
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: SINGLE SITE CA/FO
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 7500
Paid Amount: Not reported
Final Count: 1
Final Amount: 7500

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General Facility Standards
Date Violation was Determined: 20020430
Actual Return to Compliance Date: 20030701
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 503
Date of Enforcement Action: 20020807
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20151027
Actual Return to Compliance Date:	20160204
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	528
Date of Enforcement Action:	20151231
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20171031
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20120228
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20120505
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19931026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941222
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20080508
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Former Citation:	Not reported
Evaluation Date:	19980323
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20080618
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20080828
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19931026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941222
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20020430
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030701
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20000621
Evaluation Responsible Agency:	State
Found Violation:	Yes

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20010613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19990616
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20001002
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20020430
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030701
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20020430
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030701
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19980323
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19981007
Scheduled Compliance Date:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19951206
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960610
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20220531
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19951206
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960610
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20050421
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NO LONGER A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Evaluation Date:	19951206
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960610
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20040614
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20040719
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19941222
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960610
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20220411
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20220512
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19980825
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19990521
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20060613
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20060828
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20010613
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NO LONGER A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19970415
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19971223
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20020430
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20050421
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19941222
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960610
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19931026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941222
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030623
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030701
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20020430
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030701
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20100921
Evaluation Responsible Agency:	State

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20080618
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20080828
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20000621
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20010613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19900524
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930514
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20090601
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20000621
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20090520
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20090603
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20000621
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20010613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20220411
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20220512
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Evaluation Date:	19931026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941222
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20020430
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20050421
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20040623
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20010618
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20021111
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20090520
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20090603
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20020515
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030425
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20220411
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20220512
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20010521
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20020430
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19941222
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960610
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19970415
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19971223
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930308
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941222
Scheduled Compliance Date:	19930531
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20220411
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20220512
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980825
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19990521
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980825
Evaluation Responsible Agency:	State

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980825
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19930405
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20151215
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20020430
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19931026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941222

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20151027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20160204
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980825
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19990521
Scheduled Compliance Date:	19980924
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980825
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19990521
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20030623
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030701
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Evaluation Date:	19941222
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19960610
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20020430
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030701
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20060613
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20060828
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20151027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20160204
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19931026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941222
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19990616
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20100928
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20070604
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20080314
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20020430
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030701
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19931026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941222
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20120719
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930308
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941222
Scheduled Compliance Date:	19930531
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20220411
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20220512
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20020430
Evaluation Responsible Agency:	State

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20050421
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20070604
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20080314
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19900524
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930514
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19990616
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20001002
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20020515
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030425

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20171214
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20010618
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20021111
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20080618
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20080828
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20151027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20160204
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Evaluation Date:	20000621
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20010613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19970415
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19971223
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20000621
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20010613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19980825
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19990521
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20000621
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20010613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19931026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941222
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20060607
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20000621
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20010613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19931026
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19941222
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20220411
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20220512
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20020430
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030701
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20120228
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20120505
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980825
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19980825
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20000621
Evaluation Responsible Agency:	State

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20010613
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20070508
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20010521
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20020430
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20070604
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20080314
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20020430
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20030701

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20151027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20160204
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

US FIN ASSUR:

Name:	WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Address:	13579 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA
EPA ID:	CAT080025711
County:	Not reported
Mechanism type:	X
Mechanism Type Description:	STANDBY TRUST FUND
Cost estimate:	541423
Face value:	0
Effective date:	2001-06-25 00:00:00
Provider:	BANK OF THE WEST
EPA region:	9

Name:	WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Address:	13579 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA
EPA ID:	CAT080025711
County:	Not reported
Mechanism type:	L
Mechanism Type Description:	LETTER OF CREDIT
Cost estimate:	541423
Face value:	541423
Effective date:	2010-05-05 00:00:00
Provider:	WELLS FARGO BANK
EPA region:	9

Name:	WORLD OIL ENVIRONMENTAL SERVICES - FONTANA
Address:	13579 WHITTRAM AVENUE
City,State,Zip:	FONTANA, CA
EPA ID:	CAT080025711
County:	Not reported
Mechanism type:	I
Mechanism Type Description:	INSURANCE
Cost estimate:	2000000
Face value:	2000000
Effective date:	2012-10-31 00:00:00
Provider:	CHARTIS SPECIALTY
EPA region:	9

PADS:

Name:	ADVANCED ENVIRONMENTAL, INC.
Address:	13579 WHITTRAM AVENUE
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92335
EDR ID:	1000367263
EPAID:	CAT080025711
Region:	09
Generator:	Y
Storer:	Y
Disposer:	N
Transporter:	N
Smelter:	N
Research Facility:	N
Mailing Address:	13579 WHITTRAM AVENUE
Mailing Address 2:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Mailing City:	FONTANA
Mailing State:	CA
Mailing Zip:	92335
Mailing Country:	US
Owner Name:	ADVANCED ENVIRONMENTAL, INC.
Certification Date:	05/27/2005
Contact Name:	ROSEMARY DOMINO
Contact Title:	Not reported
Contact Telephone:	323-268-5056
Contact Text:	Not reported
Contact Email:	Not reported

HWP:

EPA ID:	CAT080025711
Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Address:	13579 WHITTRAM AVE
Cleanup Status:	OPERATING PERMIT
Latitude:	34.09405
Longitude:	-117.5079
Facility Type:	Permitted - Operating
Facility Size:	Standardized Series B
Supervisor:	TARYN STOKELL BUCK
Site Code:	00000, 400629, 540018
Senate District:	29
Assembly District:	50
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Used Oil / Antifreeze
Quarterly Update:	QUARTERLY UPDATE Quarterly Update Period: January 2023 through March 2023 No updates. FACILITY DESCRIPTION/HISTORY The Advanced Environmental, Inc. (AEI) dba World Oil Environmental Services (WOES) - Fontana facility (Facility) is located at 13579 Whittram Avenue, in the City of Fontana, San Bernardino County, California. The property is zoned general industrial use. Whittram Avenue borders the Facility to the north. The Santa Fe and Metrolink railroad tracks border the Facility to the south. The San Sevaine dry wash crosses under the railroad tracks due south of the Facility. The hazardous wastes that are managed at the Facility are primarily used oil, contaminated petroleum products, oily waste, oily water, used antifreeze, used oil filters, and oily solids, used aqueous parts washer solution, and solid wastes contaminated with oil. The incoming hazardous wastes are delivered to the Facility in tanker trucks. The wastes are unloaded into designated tanks by a pump and manifold system. Tank contents are unloaded into tanker trucks for shipment to offsite recycling or disposal facilities. Wastes may also be brought to the Facility in containers on trucks. The trucks arrive at the Facility and parks in one of the loading and unloading areas. The containers are unloading and place into the appropriate permitted container storage areas. The contents of the containers may be later pumped into the appropriate storage tanks. PERMITTING REGULATORY DESCRIPTION/HISTORY The Facility began operating in the late 1960s or early 1970s as a collection center for used motor oil under the name Lakewood Oil. The collection center used heat to separate oil and water, producing a fuel oil. In the early 1980s, the Facility operated as EJH, Inc., Lakewood Oil and Base Oil, as a storage and transfer facility for used oil and waste antifreeze. In 1982, the California Department of Health Services (predecessor to DTSC) issued Lakewood Oil a variance to refine and store waste oil and treat and dispose of wastewater generated at the

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

site.
Project Manager Lead: NANCY TU
Project Manager: Not reported
Permit Type: Standardized
Permit Effective Date: 05/11/2009 (OP), 12/18/2020 (OP),
Permit Expiration Date: 10/23/2017 (OP), 12/17/2030 (OP),
Calenviroscreen Score: 96-100% (highest scores)
Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: 0

Activities:
EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Renewal - No Changes
Permit Being Modified: Not reported
Final Date: 2020-12-18 00:00:00
Type: STND
Title Description: Permit Renewal
Due Date: Not reported
Comments: Not reported
Unit Names: Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description: Renewal - No Changes - PUBLIC COMMENT (END)
Actual Date: 11/10/2020

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Renewal - No Changes
Permit Being Modified: Not reported
Final Date: 2020-12-18 00:00:00
Type: STND
Title Description: Permit Renewal
Due Date: Not reported
Comments: NOD posted at State Clearinghouse on 1/25/2021.
Unit Names: Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10:

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

	South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Renewal - No Changes - CEQA DETERMINATION
Actual Date:	12/15/2020
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Renewal - No Changes
Permit Being Modified:	Not reported
Final Date:	2020-12-18 00:00:00
Type:	STND
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Renewal - No Changes - CALL-IN LETTER ISSUED
Actual Date:	04/22/2016
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Mod Non-RCRA - No Public Mailing (66270.42.5(b))
Permit Being Renewed:	Not reported
Permit Being Modified:	Renewal - No Changes
Final Date:	2021-05-14 00:00:00
Type:	STND
Title Description:	Notice of Permit Modification for Non RCRA Activities

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Due Date:	Not reported
Comments:	Not reported
Unit Names:	Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Mod Non-RCRA - No Public Mailing (66270.42.5(b)) - CEQA APPROVED AND FINAL PERMIT ISSUED (EFFECTIVE)
Actual Date:	05/14/2021
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2007-09-24 00:00:00
Type:	STND
Title Description:	New Operating Permit-2
Due Date:	Not reported
Comments:	Permit was issued on 9/24/2007 with an effective date of 10/24/2007. The Final Appeal Order made the permit effective 5/11/2009.
Unit Names:	Dupe: Unit #1: Used Oil Storage Tanks (TK-1001 to TK-1004), Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description:	New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date:	05/11/2009
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Permit Being Modified:	Not reported
Final Date:	2007-09-24 00:00:00
Type:	STND
Title Description:	New Operating Permit-2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Dupe: Unit #1: Used Oil Storage Tanks (TK-1001 to TK-1004), Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description:	New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date:	03/11/2005

EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2007-09-24 00:00:00
Type:	STND
Title Description:	New Operating Permit-2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Dupe: Unit #1: Used Oil Storage Tanks (TK-1001 to TK-1004), Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description:	New Operating Permit - DRAFT PERMIT
Actual Date:	03/11/2005

EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - No Changes

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Permit Being Renewed:	Renewal - No Changes
Permit Being Modified:	Not reported
Final Date:	2020-12-18 00:00:00
Type:	STND
Title Description:	Permit Renewal
Due Date:	12/31/2020
Comments:	Not reported
Unit Names:	Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date:	12/18/2020

EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Renewal - No Changes
Permit Being Modified:	Not reported
Final Date:	2020-12-18 00:00:00
Type:	STND
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Renewal - No Changes - TECHNICAL REVIEW COMPLETED
Actual Date:	09/15/2020

EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Renewal - No Changes
Permit Being Modified:	Not reported
Final Date:	2020-12-18 00:00:00
Type:	STND
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Renewal - No Changes - APPLICATION PART B RECEIVED
Actual Date:	07/26/2017

EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Mod Class 1 - No Prior Approval Required
Final Date:	2017-11-27 00:00:00
Type:	STND
Title Description:	Non-RCRA Activity - Emergency Coordinator Update
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1 - No Prior Approval Required - ACKNOWLEDGEMENT OF PERMIT MOD LETTER
Actual Date:	11/27/2017

EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Mod Non-RCRA - No Public Mailing (66270.42.5(b))
Permit Being Renewed:	Not reported
Permit Being Modified:	Renewal - No Changes
Final Date:	2021-05-14 00:00:00
Type:	STND

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Title Description:	Notice of Permit Modification for Non RCRA Activities
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Mod Non-RCRA - No Public Mailing (66270.42.5(b)) - CEQA APPROVED AND FINAL PERMIT ISSUED
Actual Date:	05/14/2021

EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1998-11-17 00:00:00
Type:	RCRA
Title Description:	New Operating Permit-1
Due Date:	Not reported
Comments:	3/22/2018 - Removal from RCRAInfo required. PM confirmed permit type "Standardized" entered in EnviroStor.
Unit Names:	OTHRTRT1, OTHRTRT2, OTHRTRT3, OTHRTRT5, TANKSTR1
Event Description:	New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date:	11/17/1998

EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2007-09-24 00:00:00
Type:	STND
Title Description:	New Operating Permit-2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Dupe: Unit #1: Used Oil Storage Tanks (TK-1001 to TK-1004), Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description: New Operating Permit - TECHNICAL COMPLETE LETTER
Actual Date: 02/25/2005

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: *Mod Class 1 - No Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: *Mod Class 1 - No Prior Approval Required
Final Date: 2017-03-07 00:00:00
Type: STND
Title Description: Non-RCRA Activity - Emergency Coordinator Update
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 03/07/2017

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: Mod Non-RCRA - No Public Mailing (66270.42.5(b))
Permit Being Renewed: Not reported
Permit Being Modified: Renewal - No Changes
Final Date: 2021-05-14 00:00:00
Type: STND
Title Description: Notice of Permit Modification for Non RCRA Activities
Due Date: Not reported
Comments: Permit Mod Acknowledgement Letter
Unit Names: Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Event Description:	Mod Non-RCRA - No Public Mailing (66270.42.5(b)) - ACKNOWLEDGEMENT OF PERMIT MOD LETTER
Actual Date:	05/14/2021
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Renewal - No Changes
Permit Being Modified:	Not reported
Final Date:	2020-12-18 00:00:00
Type:	STND
Title Description:	Permit Renewal
Due Date:	09/25/2020
Comments:	Not reported
Unit Names:	Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date:	09/21/2020
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Renewal - No Changes
Permit Being Modified:	Not reported
Final Date:	2020-12-18 00:00:00
Type:	STND
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

	Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Renewal - No Changes - DTSC MEETING WITH APPLICANT
Actual Date:	08/12/2016
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Renewal - No Changes
Permit Being Modified:	Not reported
Final Date:	2020-12-18 00:00:00
Type:	STND
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Renewal - No Changes - RESPONSE TO 1ST NOD RECEIVED
Actual Date:	07/02/2019
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Mod Class 1 - No Prior Approval Required
Final Date:	2017-11-27 00:00:00
Type:	STND
Title Description:	Non-RCRA Activity - Emergency Coordinator Update
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date:	11/09/2017

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: *Mod Class 1 - No Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: *Mod Class 1 - No Prior Approval Required
Final Date: 2017-03-07 00:00:00
Type: STND
Title Description: Non-RCRA Activity - Emergency Coordinator Update
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: *Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 10/23/2017

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: Mod Class 1 - No Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Mod Class 1 - No Prior Approval Required
Final Date: 2018-02-07 00:00:00
Type: STND
Title Description: Non-RCRA Activity - Change in Facilty Legal Name, No Change in Ownership or Operational Control
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: Mod Class 1 - No Prior Approval Required - ACKNOWLEDGEMENT OF PERMIT MOD LETTER
Actual Date: 02/07/2018

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Renewal - No Changes
Permit Being Modified: Not reported
Final Date: 2020-12-18 00:00:00
Type: STND
Title Description: Permit Renewal
Due Date: 09/22/2020
Comments: Not reported
Unit Names: Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10:

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

	South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Renewal - No Changes - TECHNICAL COMPLETE LETTER
Actual Date:	09/16/2020
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Renewal - No Changes
Permit Being Modified:	Not reported
Final Date:	2020-12-18 00:00:00
Type:	STND
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date:	12/17/2030
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2007-09-24 00:00:00
Type:	STND
Title Description:	New Operating Permit-2

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Due Date:	Not reported
Comments:	Not reported
Unit Names:	Dupe: Unit #1: Used Oil Storage Tanks (TK-1001 to TK-1004), Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description:	New Operating Permit - PUBLIC COMMENT (END)
Actual Date:	04/25/2005
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2007-09-24 00:00:00
Type:	STND
Title Description:	New Operating Permit-2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Dupe: Unit #1: Used Oil Storage Tanks (TK-1001 to TK-1004), Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description:	New Operating Permit - FINAL CEQA
Actual Date:	09/24/2007
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Mod Class 1 - No Prior Approval Required
Final Date:	2018-02-07 00:00:00
Type:	STND

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Title Description:	Non-RCRA Activity - Change in Facilty Legal Name, No Change in Ownership or Operational Control
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date:	01/29/2018
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	Mod Class 1 - No Prior Approval Required
Final Date:	2018-02-07 00:00:00
Type:	STND
Title Description:	Non-RCRA Activity - Change in Facilty Legal Name, No Change in Ownership or Operational Control
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date:	02/07/2018
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Renewal - No Changes
Permit Being Modified:	Not reported
Final Date:	2020-12-18 00:00:00
Type:	STND
Title Description:	Permit Renewal
Due Date:	09/25/2017
Comments:	Not reported
Unit Names:	Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Renewal - No Changes - PUBLIC NOTICE - PERMIT RECEIVED

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Actual Date:	10/13/2017
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Renewal - No Changes
Permit Being Modified:	Not reported
Final Date:	2020-12-18 00:00:00
Type:	STND
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Renewal - No Changes - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date:	02/05/2019

EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Renewal - No Changes
Permit Being Modified:	Not reported
Final Date:	2020-12-18 00:00:00
Type:	STND
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 12/18/2020

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Renewal - No Changes
Permit Being Modified: Not reported
Final Date: 2020-12-18 00:00:00
Type: STND
Title Description: Permit Renewal
Due Date: Not reported
Comments: Not reported
Unit Names: Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description: Renewal - No Changes - FINAL CEQA
Actual Date: 12/14/2020

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2007-09-24 00:00:00
Type: STND
Title Description: New Operating Permit-2
Due Date: Not reported
Comments: Not reported
Unit Names: Dupe: Unit #1: Used Oil Storage Tanks (TK-1001 to TK-1004), Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

	and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description:	New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date:	02/25/2005
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Renewal - No Changes
Permit Being Modified:	Not reported
Final Date:	2020-12-18 00:00:00
Type:	STND
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Renewal - No Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date:	08/23/2017
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	*Mod Class 1 - No Prior Approval Required
Permit Being Renewed:	Not reported
Permit Being Modified:	*Mod Class 1 - No Prior Approval Required
Final Date:	2017-03-07 00:00:00
Type:	STND
Title Description:	Non-RCRA Activity - Emergency Coordinator Update
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Not reported
Event Description:	*Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date:	02/21/2017

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Renewal - No Changes
Permit Being Modified: Not reported
Final Date: 2020-12-18 00:00:00
Type: STND
Title Description: Permit Renewal
Due Date: 09/01/2020
Comments: Not reported
Unit Names: Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description: Renewal - No Changes - FINAL PART A & PART B RECEIVED
Actual Date: 09/09/2020

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: Mod Non-RCRA - No Public Mailing (66270.42.5(b))
Permit Being Renewed: Not reported
Permit Being Modified: Renewal - No Changes
Final Date: 2021-05-14 00:00:00
Type: STND
Title Description: Notice of Permit Modification for Non RCRA Activities
Due Date: Not reported
Comments: Received change in ER contractor notification via email
Unit Names: Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Event Description:	Mod Non-RCRA - No Public Mailing (66270.42.5(b)) - MODIFICATION REQUEST / CLASS DETERMINATION REQUEST
Actual Date:	05/03/2021
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Mod Non-RCRA - No Public Mailing (66270.42.5(b))
Permit Being Renewed:	Not reported
Permit Being Modified:	Renewal - No Changes
Final Date:	2021-05-14 00:00:00
Type:	STND
Title Description:	Notice of Permit Modification for Non RCRA Activities
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Mod Non-RCRA - No Public Mailing (66270.42.5(b)) - CLASS DETERMINATION
Actual Date:	05/14/2021
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2007-09-24 00:00:00
Type:	STND
Title Description:	New Operating Permit-2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Dupe: Unit #1: Used Oil Storage Tanks (TK-1001 to TK-1004), Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 08/01/2001

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1998-11-17 00:00:00
Type: RCRA
Title Description: New Operating Permit-1
Due Date: Not reported
Comments: Not reported
Unit Names: OTHRTRT1, OTHRTRT2, OTHRTRT3, OTHRTRT5, TANKSTR1
Event Description: New Operating Permit - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 06/30/1996

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: Mod Class 1 - No Prior Approval Required
Permit Being Renewed: Not reported
Permit Being Modified: Mod Class 1 - No Prior Approval Required
Final Date: 2017-11-27 00:00:00
Type: STND
Title Description: Non-RCRA Activity - Emergency Coordinator Update
Due Date: Not reported
Comments: Not reported
Unit Names: Not reported
Event Description: Mod Class 1 - No Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 11/27/2017

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1998-11-17 00:00:00
Type: RCRA
Title Description: New Operating Permit-1

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Due Date:	Not reported
Comments:	Not reported
Unit Names:	OTHRTRT1, OTHRTRT2, OTHRTRT3, OTHRTRT5, TANKSTR1
Event Description:	New Operating Permit - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date:	02/15/1996
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2007-09-24 00:00:00
Type:	STND
Title Description:	New Operating Permit-2
Due Date:	Not reported
Comments:	Permit posted does not have revised language per the order.
Unit Names:	Dupe: Unit #1: Used Oil Storage Tanks (TK-1001 to TK-1004), Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description:	New Operating Permit - PERMIT APPEALED - FINAL DECISION
Actual Date:	05/11/2009
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2007-09-24 00:00:00
Type:	STND
Title Description:	New Operating Permit-2
Due Date:	Not reported
Comments:	Permit posted does not have revised language per the order.
Unit Names:	Dupe: Unit #1: Used Oil Storage Tanks (TK-1001 to TK-1004), Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

	and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description:	New Operating Permit - PERMIT APPEALED - APPEAL RECEIVED
Actual Date:	10/23/2007
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2007-09-24 00:00:00
Type:	STND
Title Description:	New Operating Permit-2
Due Date:	Not reported
Comments:	Permit was issued on 9/24/2007 with an effective date of 10/24/2007. The Final Appeal Order made the permit effective 5/11/2009.
Unit Names:	Dupe: Unit #1: Used Oil Storage Tanks (TK-1001 to TK-1004), Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description:	New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date:	10/23/2017
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	2007-09-24 00:00:00
Type:	STND
Title Description:	New Operating Permit-2
Due Date:	Not reported
Comments:	Permit was issued on 9/24/2007 with an effective date of 10/24/2007. The Final Appeal Order made the permit effective 5/11/2009.
Unit Names:	Dupe: Unit #1: Used Oil Storage Tanks (TK-1001 to TK-1004), Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through

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V-513, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #9 - Used Oil Storage Tanks T-451 through T-454

Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 09/24/2007

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 2007-09-24 00:00:00
Type: STND
Title Description: New Operating Permit-2
Due Date: Not reported
Comments: Not reported
Unit Names: Dupe: Unit #1: Used Oil Storage Tanks (TK-1001 to TK-1004), Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #9 - Used Oil Storage Tanks T-451 through T-454

Event Description: New Operating Permit - CEQA DETERMINATION
Actual Date: 09/24/2007

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Renewal - No Changes
Permit Being Modified: Not reported
Final Date: 2020-12-18 00:00:00
Type: STND
Title Description: Permit Renewal
Due Date: 07/26/2017
Comments: 4/26/17 was 180 days prior to expiration of current permit. Extension requested and granted before application deadline.
Unit Names: Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area,

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

	Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Renewal - No Changes - APPLICATION PART A RECEIVED
Actual Date:	07/26/2017
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Renewal - No Changes
Permit Being Modified:	Not reported
Final Date:	2020-12-18 00:00:00
Type:	STND
Title Description:	Permit Renewal
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description:	Renewal - No Changes - ADMINISTRATIVE REVIEW APPROVED
Actual Date:	08/23/2017
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Renewal - No Changes
Permit Being Modified:	Not reported
Final Date:	2020-12-18 00:00:00
Type:	STND
Title Description:	Permit Renewal
Due Date:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Comments: Not reported
Unit Names: Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description: Renewal - No Changes - TECHNICAL REVIEW BEGIN
Actual Date: 09/11/2017

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Activity Type: Renewal - No Changes
Permit Being Renewed: Renewal - No Changes
Permit Being Modified: Not reported
Final Date: 2020-12-18 00:00:00
Type: STND
Title Description: Permit Renewal
Due Date: 10/09/2020
Comments: Not reported
Unit Names: Operating Unit #1: Used Oil Storage Tanks TK1001-TK1004, Unit #10: South Loading and Unloading Area, Unit #11A: Oil Filter Storage Area, Unit #11B: Used Oil Filter Baler or Shredder, Unit #1: Used Oil Storage Tanks (Tank TK-1005), Unit #2: Used Oil Storage Tanks (TK-471 and TK-472), Unit #2: Used Oil Storage Tanks (TK-473 to TK-478), Unit #3: Oily Water Storage Tanks (Tanks TK-479 and TK-480), Unit #4: Used Antifreeze Storage Tanks (TK-481 and TK-482), Unit #5: Used Antifreeze Storage Tanks (TK-483 and TK-484), Unit #6: Roll-off Bins Storage Area, Unit #7: Central Container Storage Area, Unit #8A: South Container Storage Area, Unit #8B: South Container Loading/Unloading Area, Unit #9: North Loading and Unloading Area, Unit 8C: Empty Container Rinsing Unit
Event Description: Renewal - No Changes - DRAFT PERMIT RENEWAL
Actual Date: 09/21/2020

Closure:
EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Size: Standardized Series B
Facility Status: OPERATING PERMIT
Activity Type: Closure
Final Date: Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Type:	RCRA
Title Description:	Closure Partial Othrtrts & Tankstr1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	OTHRTRT1, OTHRTRT2, OTHRTRT3, OTHRTRT5, TANKSTR1
Event Description:	Closure - ISSUE CLOSURE VERIFICATION
Actual Date:	03/29/2007
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Size:	Standardized Series B
Facility Status:	OPERATING PERMIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure Partial Othrtrts & Tankstr1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	OTHRTRT1, OTHRTRT2, OTHRTRT3, OTHRTRT5, TANKSTR1
Event Description:	Closure - PUBLIC COMMENT (END)
Actual Date:	11/08/2002
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Size:	Standardized Series B
Facility Status:	OPERATING PERMIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure Partial Othrtrts & Tankstr1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	OTHRTRT1, OTHRTRT2, OTHRTRT3, OTHRTRT5, TANKSTR1
Event Description:	Closure - CLOSURE PLAN APPROVED
Actual Date:	12/15/2002
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Size:	Standardized Series B
Facility Status:	OPERATING PERMIT
Activity Type:	Closure Administrative
Final Date:	Not reported
Type:	STND
Title Description:	Admin Closure of Unit 1 (Seq 28)
Due Date:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Comments:	Admin close Seq 28 "Unit #1: Used Oil Storage Tanks (Tanks TK-1001 to TK-1004)" as it is a duplicate of Seq 6. Seq 6 originally covered tanks T1001-1004 and includes the links to previous activities. Seq 6 will be renamed back to encompass these 4 tanks.
Unit Names:	Dupe: Unit #1: Used Oil Storage Tanks (TK-1001 to TK-1004)
Event Description:	Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date:	10/12/2022

EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Size:	Standardized Series B
Facility Status:	OPERATING PERMIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure Partial Othrtrts & Tankstr1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	OTHRTRT1, OTHRTRT2, OTHRTRT3, OTHRTRT5, TANKSTR1
Event Description:	Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date:	07/31/2003

EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Size:	Standardized Series B
Facility Status:	OPERATING PERMIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure Partial Othrtrts & Tankstr1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	OTHRTRT1, OTHRTRT2, OTHRTRT3, OTHRTRT5, TANKSTR1
Event Description:	Closure - PUBLIC COMMENT (BEGIN)
Actual Date:	11/08/2002

EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Size:	Standardized Series B
Facility Status:	OPERATING PERMIT
Activity Type:	Closure
Final Date:	Not reported
Type:	STND
Title Description:	Closure Certification Report - Phase II Partial Closure
Due Date:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Comments:	DTSC comments on Amended Soil Sampling Plan
Unit Names:	Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description:	Closure - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date:	09/03/2019
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Size:	Standardized Series B
Facility Status:	OPERATING PERMIT
Activity Type:	Closure
Final Date:	Not reported
Type:	STND
Title Description:	Closure Certification Report - Phase II Partial Closure
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description:	Closure - CLOSURE PLAN RECEIVED
Actual Date:	06/26/2012
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Size:	Standardized Series B
Facility Status:	OPERATING PERMIT
Activity Type:	Closure
Final Date:	Not reported
Type:	STND
Title Description:	Closure Certification Report - Phase II Partial Closure
Due Date:	Not reported
Comments:	DTSC approval of Amended Soil Sampling Plan. Although shown on EnviroStor as linked to 2020 permit for tracking reasons, these 4 units are to be closed via this closure plan according to the previous RCRA permit (2009).
Unit Names:	Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description:	Closure - CLOSURE PLAN APPROVED
Actual Date:	09/10/2019
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Size:	Standardized Series B

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Facility Status:	OPERATING PERMIT
Activity Type:	Closure
Final Date:	Not reported
Type:	STND
Title Description:	Closure Certification Report - Phase II Partial Closure
Due Date:	Not reported
Comments:	Not reported
Unit Names:	Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description:	Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date:	05/03/2019
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Size:	Standardized Series B
Facility Status:	OPERATING PERMIT
Activity Type:	Closure
Final Date:	Not reported
Type:	STND
Title Description:	Closure Certification Report - Phase II Partial Closure
Due Date:	Not reported
Comments:	Apex clarification regarding Comment 2.
Unit Names:	Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description:	Closure - RESPONSE TO 2ND NOD RECEIVED
Actual Date:	09/05/2019
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Size:	Standardized Series B
Facility Status:	OPERATING PERMIT
Activity Type:	Closure
Final Date:	Not reported
Type:	STND
Title Description:	Closure Certification Report - Phase II Partial Closure
Due Date:	Not reported
Comments:	DTSC comments on proposed Sampling Plan, Phase II Partial Closure
Unit Names:	Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description:	Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date:	03/04/2019
EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Size:	Standardized Series B
Facility Status:	OPERATING PERMIT
Activity Type:	Closure
Final Date:	Not reported
Type:	STND
Title Description:	Closure Certification Report - Phase II Partial Closure
Due Date:	Not reported
Comments:	received 11/18/2022
Unit Names:	Unit #10 - Used Antifreeze Stoarge Tank T-501, Unit #11 - Oily Water Storage Tanks T-651 and T-652, Unit #12 - Used Oil Storage Tanks V-511 through V-513, Unit #9 - Used Oil Storage Tanks T-451 through T-454
Event Description:	Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date:	11/18/2022

EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Size:	Standardized Series B
Facility Status:	OPERATING PERMIT
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure Partial Othrtrts & Tankstr1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	OTHRTRT1, OTHRTRT2, OTHRTRT3, OTHRTRT5, TANKSTR1
Event Description:	Closure - CLOSURE PLAN RECEIVED
Actual Date:	01/01/2000

Maint:

EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Title:	Rejected Loads Requiring Truck to Truck and/or Truck to Container Transfer
Document Type:	Permit Condition Implementation
Receive Date:	06/30/2021
Project Manager:	Not reported
Project Manager Lead:	NANCY TU
Supervisor:	TARYN STOKELL BUCK
Facility Status:	OPERATING PERMIT
Due Date:	07/30/2021

EPA ID:	CAT080025711
Facility Type:	Permitted - Operating
Facility Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Title:	Rejected Loads Requiring Truck to Truck and/or Truck to Container Transfer
Document Type:	Permit Condition Implementation
Receive Date:	07/01/2022
Project Manager:	Not reported
Project Manager Lead:	NANCY TU

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Due Date: Not reported

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Title: Notification of Change in DTSC Project Manager
Document Type: Correspondence
Receive Date: 05/02/2017
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Due Date: Not reported

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Title: 66264.16(f) Training Certification
Document Type: Certification Documents from Facility
Receive Date: 02/28/2022
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Due Date: Not reported

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Title: 66264.16(f) Training Certification
Document Type: Certification Documents from Facility
Receive Date: 03/01/2023
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Due Date: Not reported

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Title: Fee For Service Notification
Document Type: Correspondence
Receive Date: 10/27/2016
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Facility Status: OPERATING PERMIT
Due Date: Not reported

Alias:
EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Facility Status: OPERATING PERMIT

WORLD OIL ENVIRONMENTAL SERVICES - FONTANA (Continued) **1000367263**

Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Alias Type: Project Code (Site Code)
Alias: 00000

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Facility Status: OPERATING PERMIT
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Alias Type: FRS
Alias: 110008061907

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Facility Status: OPERATING PERMIT
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Alias Type: Project Code (Site Code)
Alias: 400629

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Facility Status: OPERATING PERMIT
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Alias Type: Project Code (Site Code)
Alias: 540018

EPA ID: CAT080025711
Facility Type: Permitted - Operating
Facility Name: ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Facility Status: OPERATING PERMIT
Project Manager: Not reported
Project Manager Lead: NANCY TU
Supervisor: TARYN STOKELL BUCK
Alias Type: EPA Identification Number
Alias: CAT080025711

O75 **BASE OIL SERVICE** **ENVIROSTOR** **S101591434**
ENE **13579 WHITTRAM** **SWEEPS UST** **N/A**
1/2-1 **FONTANA, CA 92335** **CA FID UST**
0.908 mi. **EMI**
4795 ft. **Site 2 of 2 in cluster O** **ICE**
NPDES

Relative:
Higher

Actual:
1142 ft.

ENVIROSTOR:
Name: ADVANCED ENVIRONMENTAL INC
Address: 13579 WHITTRAM AVE
City,State,Zip: FONTANA, CA 923350000

BASE OIL SERVICE (Continued) **S101591434**

Facility ID:	80001853
Status:	Active
Status Date:	05/07/2015
Site Code:	540018
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	5
NPL:	NO
Regulatory Agencies:	HWMP
Lead Agency:	HWMP
Program Manager:	Taryn Stokell Buck
Supervisor:	Lori Koch
Division Branch:	Office of Permitting
Assembly:	50
Senate:	29
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.09405
Longitude:	-117.5079
APN:	NONE SPECIFIED
Past Use:	ABOVE GROUND STORAGE TANKS, TRANSFER STATION, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS, HAZARDOUS WASTE TREATMENT, OIL/WATER SEPARATORS, RECYCLING - USED OIL
Potential COC:	Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Freon 113 Lead TPH-MOTOR OIL Copper and compounds
Confirmed COC:	30 001 300 133 000 500 000 000 000 000 000
Potential Description:	SOIL
Alias Name:	CAT080025711
Alias Type:	EPA Identification Number
Alias Name:	110008061907
Alias Type:	EPA (FRS #)
Alias Name:	400629
Alias Type:	Project Code (Site Code)
Alias Name:	540018
Alias Type:	Project Code (Site Code)
Alias Name:	80001853
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedy Construction Complete
Completed Date:	06/23/2008
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	10/07/2013
Comments:	Email correspondence was uploaded to document project resides in permitting.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RCRA Facility Assessment Report
Completed Date:	01/10/1996

BASE OIL SERVICE (Continued) **S101591434**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 06/25/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 11/15/2003
Comments: Phase IV Workplan Received on 9/15/03

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 08/05/2003
Comments: Partial RFI report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 06/27/2005
Comments: Phase IV-B - RFI Report Received on 12/8/04

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 09/19/2004
Comments: Phase IV-B Workplan Received on 8/23/04

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 07/16/2004
Comments: Phase IV-A Report Received on 5/24/04

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 08/05/2003
Comments: Phase III Exploration Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 06/23/2008
Comments: No Further Action (NFA)Decision for Corrective Action Determination. DTSC held a 45-day public comment period from April 23, 2008 to June 9, 2008. No comments were received. SWMU's included SWMU-1, SWMU-2, AOC-1, AOC-2, AOC-3.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Report
Completed Date: 03/29/2007

BASE OIL SERVICE (Continued) **S101591434**

Comments: RFI Report Approved. Final RFI Report originally received on 7/29/05.

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

SWEEPS UST:
Name: BASE OIL SERVICE
Address: 13579 WHITTRAM
City: FONTANA
Status: Active
Comp Number: 8812
Number: 9
Board Of Equalization: 44-020124
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 09-06-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008812-000001
Tank Status: A
Capacity: 1
Active Date: 09-06-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: 1

CA FID UST:
Facility ID: 36007764
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 13579 WHITTRAM
Mailing Address 2: Not reported
Mailing City,St,Zip: FONTANA 92335
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

EMI:
Name: ADVANCED ENVIRONMENTAL INC
Address: 13579 WHITTRAM AVE
City,State,Zip: FONTANA, CA 92335

BASE OIL SERVICE (Continued) **S101591434**

Year:	2011
County Code:	36
Air Basin:	SC
Facility ID:	74618
Air District Name:	SC
SIC Code:	4212
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:	3.2003356558
Reactive Organic Gases Tons/Yr:	2.99526
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	ADVANCED ENVIRONMENTAL INC
Address:	13579 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Year:	2015
County Code:	36
Air Basin:	SC
Facility ID:	74618
Air District Name:	SC
SIC Code:	2910
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:	4.948591437
Reactive Organic Gases Tons/Yr:	4.93285555
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

ICE:

Envirostor ID:	3002372
Name:	ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES
Address:	13579 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAT080025711
Site Type:	INSPECTION
Facility Status:	No Action

Enforcement:

Action Type:	Enforcement Dismissed (101)
Action Date:	06/13/2001
Action Type:	Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date:	04/30/2005
Action Type:	Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date:	03/14/2008
Action Type:	Final Civil / Judicial Action (610)

BASE OIL SERVICE (Continued) **S101591434**

Action Date: 05/21/1999

Action Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date: 02/19/2009

Inspection:
Action Type: Financial Records Review - Standardized Permit
Action Date: 05/31/2022
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Standardized Permit
Action Date: 04/11/2022
Violation Class: Minor
RTC Date: 05/12/2022

Action Type: Compliance Evaluation Inspection - Standardized Permit
Action Date: 10/31/2017
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Action Date: 10/27/2015
Violation Class: Class 2, Minor
RTC Date: 02/04/2016

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 12/15/2015
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 07/19/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Standardized Permit
Action Date: 12/14/2017
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/28/2012
Violation Class: Class 2
RTC Date: 05/05/2012

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/23/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/18/2001
Violation Class: Minor
RTC Date: 11/11/2002

Action Type: Compliance Evaluation Inspection - Standardized Permit

BASE OIL SERVICE (Continued) **S101591434**

Action Date: 05/20/2009
Violation Class: Minor
RTC Date: 06/03/2009

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/04/2007
Violation Class: Class 2
RTC Date: 03/14/2008

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/08/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/16/1999
Violation Class: Class 1
RTC Date: 10/02/2000

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/14/2004
Violation Class: Minor
RTC Date: 07/19/2004

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/23/2003
Violation Class: Minor
RTC Date: 07/01/2003

Action Type: Financial Records Review - Standardized Permit
Action Date: 09/21/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Standardized Permit
Action Date: 09/28/2010
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/18/2008
Violation Class: Class 2
RTC Date: 08/28/2008

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/07/2006
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/13/2006
Violation Class: Minor
RTC Date: 08/28/2006

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/21/2000
Violation Class: Class 1, Class 2, Minor

BASE OIL SERVICE (Continued) **S101591434**

RTC Date: 06/13/2001

Action Type: Compliance Evaluation Inspection - Transporter
Action Date: 08/25/1998
Violation Class: Class 2, Minor
RTC Date: 05/21/1999

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 05/21/2001
Violation Class: Class 2
RTC Date: 04/30/2002

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/30/2002
Violation Class: Class 1, Class 2
RTC Date: 04/21/2005

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/15/2002
Violation Class: Minor
RTC Date: 04/25/2003

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 05/08/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Standardized Permit
Action Date: 06/01/2009
Violation Class: No Violations
RTC Date: Not reported

NPDES:

Name:	ADVANCED ENVIRONMENTAL INC
Address:	13579 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 36I023618
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active

BASE OIL SERVICE (Continued) **S101591434**

Status Date:	04/27/2012
Operator Name:	World Oil Environmental Services
Operator Address:	13579 Whittram Avenue
Operator City:	Fontana
Operator State:	California
Operator Zip:	92335

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	426598
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I023618
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/27/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	World Oil Environmental Services
Discharge Address:	13579 Whittram Avenue
Discharge City:	Fontana
Discharge State:	California
Discharge Zip:	92335
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported

BASE OIL SERVICE (Continued) **S101591434**

Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	426598
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I023618
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	04/27/2012
Processed Date:	04/27/2012
Status:	Active
Status Date:	04/27/2012
Place Size:	4.2
Place Size Unit:	Acres
Contact:	Bruce Pourhassanian
Contact Title:	Facility Manager
Contact Phone:	909-356-9025
Contact Phone Ext:	Not reported
Contact Email:	bpourhassanian@advancedenv.com
Operator Name:	World Oil Environmental Services

BASE OIL SERVICE (Continued) **S101591434**

Operator Address:	13579 Whittram Avenue
Operator City:	Fontana
Operator State:	California
Operator Zip:	92335
Operator Contact:	Bruce Pourhassanian
Operator Contact Title:	Facility Manager
Operator Contact Phone:	909-356-9025
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	bpourhassanian@advancedenv.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-356-9025
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River
Certifier:	James Ennis
Certifier Title:	Chief Operating Officer
Certification Date:	12-JUN-15
Primary Sic:	4212-Local Trucking Without Storage
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	ADVANCED ENVIRONMENTAL INC
Address:	13579 WHITTRAM AVE
City,State,Zip:	FONTANA, CA 92335
Facility Status:	Active
NPDES Number:	CAS000001
Region:	8
Agency Number:	0
Regulatory Measure ID:	426598
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	8 36I023618

BASE OIL SERVICE (Continued) **S101591434**

Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/27/2012
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	13579 Whittram Avenue
Discharge Name:	World Oil Environmental Services
Discharge City:	Fontana
Discharge State:	California
Discharge Zip:	92335
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	426598
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 36I023618
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	04/27/2012
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	World Oil Environmental Services
Discharge Address:	13579 Whittram Avenue
Discharge City:	Fontana
Discharge State:	California
Discharge Zip:	92335
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported

BASE OIL SERVICE (Continued) **S101591434**

Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	8
Regulatory Measure ID:	426598
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	8 36I023618
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported

BASE OIL SERVICE (Continued) **S101591434**

Received Date:	04/27/2012
Processed Date:	04/27/2012
Status:	Active
Status Date:	04/27/2012
Place Size:	4.2
Place Size Unit:	Acres
Contact:	Bruce Pourhassanian
Contact Title:	Facility Manager
Contact Phone:	909-356-9025
Contact Phone Ext:	Not reported
Contact Email:	bpourhassanian@advancedenv.com
Operator Name:	World Oil Environmental Services
Operator Address:	13579 Whittram Avenue
Operator City:	Fontana
Operator State:	California
Operator Zip:	92335
Operator Contact:	Bruce Pourhassanian
Operator Contact Title:	Facility Manager
Operator Contact Phone:	909-356-9025
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	bpourhassanian@advancedenv.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	909-356-9025
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Santa Ana River
Certifier:	James Ennis
Certifier Title:	Chief Operating Officer
Certification Date:	12-JUN-15
Primary Sic:	4212-Local Trucking Without Storage
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

P76
SE
1/2-1
0.924 mi.
4879 ft.

Relative:
Lower

Actual:
1053 ft.

CHEMWEST IND INC
13425 SAN BERNARDINO AVE
FONTANA, CA 92335

Site 1 of 3 in cluster P

Database(s):
SEMS-ARCHIVE
CORRACTS
RCRA-TSDF
RCRA-SQG
US INST CONTROLS
CPS-SLIC
SWEEPS UST
HIST UST
CA FID UST
US FIN ASSUR
2020 COR ACTION
FINDS
ECHO
HWP
CERS

EDR ID Number: 1000303724
EPA ID Number: CAD040520975

SEMS Archive:

Site ID:	0901320
EPA ID:	CAD040520975
Name:	CHEMWEST IND
Address:	13425 SAN BERNARDINO AVE
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92335
Cong District:	36
FIPS Code:	06071
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0901320
EPA ID:	CAD040520975
Site Name:	CHEMWEST IND
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1990-03-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0901320
EPA ID:	CAD040520975
Site Name:	CHEMWEST IND
NPL:	N
FF:	N
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	Not reported
Finish Date:	1990-03-23 05:00:00
Qual:	N
Current Action Lead:	EPA Perf

CHEMWEST IND INC (Continued) **1000303724**

Region: 09
Site ID: 0901320
EPA ID: CAD040520975
Site Name: CHEMWEST IND
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1985-03-01 06:00:00
Finish Date: 1985-07-01 05:00:00
Qual: L
Current Action Lead: St Perf

Region: 09
Site ID: 0901320
EPA ID: CAD040520975
Site Name: CHEMWEST IND
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1985-03-01 06:00:00
Finish Date: 1985-03-01 06:00:00
Qual: Not reported
Current Action Lead: St Perf

CORRACTS:
Name: CHEMWEST IND INC
Address: 13425 SAN BERNARDINO AVE
Address 2: Not reported
EPA ID: CAD040520975
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED
Actual Date: 19900214
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMWEST IND INC
Address: 13425 SAN BERNARDINO AVE
Address 2: Not reported
EPA ID: CAD040520975
Area Name: ENTIRE FACILITY
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 19900214
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMWEST IND INC

CHEMWEST IND INC (Continued) **1000303724**

Address: 13425 SAN BERNARDINO AVE
Address 2: Not reported
EPA ID: CAD040520975
Area Name: CHEMWEST UPPER PONDS
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 19900531
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMWEST IND INC
Address: 13425 SAN BERNARDINO AVE
Address 2: Not reported
EPA ID: CAD040520975
Area Name: CHEMWEST UPPER PONDS
Corrective Action: CMS WORKPLAN APPROVED
Actual Date: 19901130
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMWEST IND INC
Address: 13425 SAN BERNARDINO AVE
Address 2: Not reported
EPA ID: CAD040520975
Area Name: ENTIRE FACILITY
Corrective Action: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION
Actual Date: 19940519
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMWEST IND INC
Address: 13425 SAN BERNARDINO AVE
Address 2: Not reported
EPA ID: CAD040520975
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date: 19980602
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMWEST IND INC
Address: 13425 SAN BERNARDINO AVE
Address 2: Not reported
EPA ID: CAD040520975
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date: 19980602
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported

CHEMWEST IND INC (Continued) **1000303724**

Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMWEST IND INC
Address: 13425 SAN BERNARDINO AVE
Address 2: Not reported
EPA ID: CAD040520975
Area Name: ENTIRE FACILITY
Corrective Action: DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY
Actual Date: 20081119
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMWEST IND INC
Address: 13425 SAN BERNARDINO AVE
Address 2: Not reported
EPA ID: CAD040520975
Area Name: ENTIRE FACILITY
Corrective Action: INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL
Actual Date: 20101213
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMWEST IND INC
Address: 13425 SAN BERNARDINO AVE
Address 2: Not reported
EPA ID: CAD040520975
Area Name: ENTIRE FACILITY
Corrective Action: CMI WORKPLAN APPROVED
Actual Date: 20090213
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: CHEMWEST IND INC
Address: 13425 SAN BERNARDINO AVE
Address 2: Not reported
EPA ID: CAD040520975
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date: 20130627
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

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

RCRA TSDF:
Treatment Storage and Disposal Type: Land Disposal, Storage, Treatment

CHEMWEST IND INC (Continued) **1000303724**

Full Enforcement Universe:	Not reported
Corrective Action Workload Universe:	Yes
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Land Disposal, Storage, Treatment
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
Operating TSDF Universe:	Not reported
Commercial TSD Indicator:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

RCRA Listings:

Date Form Received by Agency:	19960901
Handler Name:	Chemwest Ind Inc
Handler Address:	13425 SAN BERNARDINO AVE
Handler City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAD040520975
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Corrective Action Activities
State District Owner:	Ca
State District:	4
Mailing Address:	50 CALIFORNIA ST 2925
Mailing City,State,Zip:	SAN FRANCISCO, CA 94111
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	Chemwest Industries Inc
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No

CHEMWEST IND INC (Continued) **1000303724**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	Yes
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	Yes
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021029
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: CHEMWEST INDUSTRIES INC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	50 CALIFORNIA ST 2925
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CA 99999
Owner/Operator Telephone:	415-421-8745
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: CHEMWEST INDUSTRIES INC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	50 CALIFORNIA ST 2925
Owner/Operator City,State,Zip:	SAN FRANCISCO, CA 94111
Owner/Operator Telephone:	415-421-8745
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901

CHEMWEST IND INC (Continued) **1000303724**

Handler Name: CHEMWEST IND INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800806
Handler Name: CHEMWEST IND INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Ca
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900312
Handler Name: CHEMWEST INDUSTRIES INC.
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 325188
NAICS Description: ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

Has the Facility Received Notices of Violations:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19880519
Actual Return to Compliance Date: 19910814
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19871017
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

CHEMWEST IND INC (Continued) **1000303724**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19880525
Actual Return to Compliance Date: 19880802
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19880708
Enforcement Identifier: 005
Date of Enforcement Action: 19880606
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

CHEMWEST IND INC (Continued) **1000303724**

Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19900109
Actual Return to Compliance Date: 19900817
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19900524
Enforcement Identifier: 007
Date of Enforcement Action: 19900223
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19890418
Actual Return to Compliance Date: 19931025
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19871019
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

CHEMWEST IND INC (Continued) **1000303724**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19900109
Actual Return to Compliance Date: 19900817
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19900524
Enforcement Identifier: 008
Date of Enforcement Action: 19900504
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

CHEMWEST IND INC (Continued) **1000303724**

Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19900109
Actual Return to Compliance Date: 19900817
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19900524
Enforcement Identifier: 008
Date of Enforcement Action: 19900504
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19890414
Actual Return to Compliance Date: 19900109
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19890708
Enforcement Identifier: 006
Date of Enforcement Action: 19890628
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

CHEMWEST IND INC (Continued) **1000303724**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19880519
Actual Return to Compliance Date: 19910814
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19871019
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

CHEMWEST IND INC (Continued) **1000303724**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19900109
Actual Return to Compliance Date:	19900817
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19900524
Enforcement Identifier:	008
Date of Enforcement Action:	19900504
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

CHEMWEST IND INC (Continued) **1000303724**

Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19890414
Actual Return to Compliance Date:	19900109
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19890708
Enforcement Identifier:	006
Date of Enforcement Action:	19890628
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

CHEMWEST IND INC (Continued) **1000303724**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Ground-Water Monitoring
Date Violation was Determined:	19870825
Actual Return to Compliance Date:	19910624
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19871019
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19901005
Actual Return to Compliance Date:	19931025
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

CHEMWEST IND INC (Continued) **1000303724**

Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19901113
Actual Return to Compliance Date: 19901219
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 009
Date of Enforcement Action: 19901213
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

CHEMWEST IND INC (Continued) **1000303724**

Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19870327
Actual Return to Compliance Date: 19910814
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19871019
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19900109
Actual Return to Compliance Date: 19900817
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19900524
Enforcement Identifier: 007
Date of Enforcement Action: 19900223
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported

CHEMWEST IND INC (Continued) **1000303724**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19880525
Actual Return to Compliance Date: 19880802
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19880708
Enforcement Identifier: 005
Date of Enforcement Action: 19880606
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

CHEMWEST IND INC (Continued) **1000303724**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19861204
Actual Return to Compliance Date:	19910624
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19871019
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19870317
Actual Return to Compliance Date:	19910814
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19871019
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

CHEMWEST IND INC (Continued) **1000303724**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19900109
Actual Return to Compliance Date: 19900817
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19900524
Enforcement Identifier: 008
Date of Enforcement Action: 19900504
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

CHEMWEST IND INC (Continued) **1000303724**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19900109
Actual Return to Compliance Date:	19900817
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19900524
Enforcement Identifier:	007
Date of Enforcement Action:	19900223
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19890414
Actual Return to Compliance Date:	19900109
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19890708
Enforcement Identifier:	006
Date of Enforcement Action:	19890628
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

CHEMWEST IND INC (Continued) **1000303724**

Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19900109
Actual Return to Compliance Date:	19900817
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19900524
Enforcement Identifier:	008
Date of Enforcement Action:	19900504
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported

CHEMWEST IND INC (Continued) **1000303724**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19900109
Actual Return to Compliance Date:	19900817
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19900524
Enforcement Identifier:	007
Date of Enforcement Action:	19900223
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19900109
Actual Return to Compliance Date:	19900817
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19900524
Enforcement Identifier:	007
Date of Enforcement Action:	19900223
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported

CHEMWEST IND INC (Continued) **1000303724**

Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19861204
Actual Return to Compliance Date: 19910624
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19861021
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported

CHEMWEST IND INC (Continued) **1000303724**

Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19880519
Actual Return to Compliance Date:	19910814
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	004
Date of Enforcement Action:	19880519
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19880519
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910814
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CHEMWEST IND INC (Continued) **1000303724**

Evaluation Date:	19880525
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880802
Scheduled Compliance Date:	19880708
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19900109
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900817
Scheduled Compliance Date:	19900524
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890418
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931025
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19900109
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900817
Scheduled Compliance Date:	19900524
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19900109
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA

CHEMWEST IND INC (Continued) **1000303724**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900817
Scheduled Compliance Date:	19900524
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890414
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900109
Scheduled Compliance Date:	19890708
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880519
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910814
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19900109
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900817
Scheduled Compliance Date:	19900524
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19870317
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

CHEMWEST IND INC (Continued) **1000303724**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890414
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900109
Scheduled Compliance Date:	19890708
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870825
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	GROUNDWATER MONITORING EVALUATION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910624
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19901005
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931025
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19901113
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901219
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870327
Evaluation Responsible Agency:	State

CHEMWEST IND INC (Continued) **1000303724**

Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910814
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19900109
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900817
Scheduled Compliance Date:	19900524
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880525
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880802
Scheduled Compliance Date:	19880708
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19861204
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910624
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19870317
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910814

CHEMWEST IND INC (Continued) **1000303724**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900109
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900817
Scheduled Compliance Date:	19900524
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900109
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900817
Scheduled Compliance Date:	19900524
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890414
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900109
Scheduled Compliance Date:	19890708
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19900109
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900817
Scheduled Compliance Date:	19900524
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CHEMWEST IND INC (Continued) **1000303724**

Evaluation Date:	19900109
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900817
Scheduled Compliance Date:	19900524
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19900109
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19900817
Scheduled Compliance Date:	19900524
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19861204
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910624
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880519
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910814
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

CHEMWEST IND INC (Continued) **1000303724**

US INST CONTROLS:

Name:	CHEMWEST IND INC
Address:	13425 SAN BERNARDINO AVE
Address 2:	Not reported
City,State,Zip:	FONTANA, CA 92335
EPA ID:	CAD040520975
Action Name:	Not reported
Action ID:	Not reported
Operable Unit:	Not reported
Actual Date:	Not reported
Contaminated Media:	Not reported
Event Code:	CA772PR
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	INSTITUTIONAL CONTROLS ESTABLISHED-PROPRIETARY CONTROL
Federal Facility:	Not reported
Fiscal Year:	Not reported
NPL Status:	Not reported
Superfund Alternative Agreement:	Not reported
Latitude:	Not reported
Longitude:	Not reported

SLIC REG 8:

Name:	CHEMWEST
Address:	13425 SAN BERNARDINO AVENUE
City:	FONTANA
Type:	Soil
Facility Status:	6
Staff:	Dixie Lass, Tel 909-782-3295, LAND DISPOSAL
Substance:	METALS
Lead Agency:	Department of Toxic Substance Control
Location Code:	Not reported
Thomas Bros Code:	Not reported

SWEEPS UST:

Name:	CHEMWEST INDUSTRIES, INC.
Address:	13425 SAN BERNARDINO AVE
City:	FONTANA
Status:	Active
Comp Number:	12689
Number:	9
Board Of Equalization:	44-020410
Referral Date:	03-24-92
Action Date:	03-24-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	36-000-012689-000001
Tank Status:	A
Capacity:	10000
Active Date:	03-21-89
Tank Use:	UNKNOWN
STG:	P
Content:	DIESEL
Number Of Tanks:	10

Name:	CHEMWEST INDUSTRIES, INC.

CHEMWEST IND INC (Continued) **1000303724**

Address:	13425 SAN BERNARDINO AVE
City:	FONTANA
Status:	Active
Comp Number:	12689
Number:	9
Board Of Equalization:	44-020410
Referral Date:	03-24-92
Action Date:	03-24-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	36-000-012689-000002
Tank Status:	A
Capacity:	10000
Active Date:	03-21-89
Tank Use:	UNKNOWN
STG:	P
Content:	UNKNOWN
Number Of Tanks:	Not reported

Name:	CHEMWEST INDUSTRIES, INC.
Address:	13425 SAN BERNARDINO AVE
City:	FONTANA
Status:	Active
Comp Number:	12689
Number:	9
Board Of Equalization:	44-020410
Referral Date:	03-24-92
Action Date:	03-24-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	36-000-012689-000003
Tank Status:	A
Capacity:	10000
Active Date:	03-21-89
Tank Use:	UNKNOWN
STG:	P
Content:	UNKNOWN
Number Of Tanks:	Not reported

Name:	CHEMWEST INDUSTRIES, INC.
Address:	13425 SAN BERNARDINO AVE
City:	FONTANA
Status:	Active
Comp Number:	12689
Number:	9
Board Of Equalization:	44-020410
Referral Date:	03-24-92
Action Date:	03-24-92
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	36-000-012689-000004
Tank Status:	A
Capacity:	10000
Active Date:	03-21-89
Tank Use:	UNKNOWN
STG:	P
Content:	UNKNOWN

CHEMWEST IND INC (Continued) **1000303724**

Number Of Tanks: Not reported

Name: CHEMWEST INDUSTRIES, INC.
Address: 13425 SAN BERNARDINO AVE
City: FONTANA
Status: Active
Comp Number: 12689
Number: 9
Board Of Equalization: 44-020410
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-012689-000005
Tank Status: A
Capacity: 10000
Active Date: 03-21-89
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CHEMWEST INDUSTRIES, INC.
Address: 13425 SAN BERNARDINO AVE
City: FONTANA
Status: Active
Comp Number: 12689
Number: 9
Board Of Equalization: 44-020410
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-012689-000006
Tank Status: A
Capacity: 10000
Active Date: 03-21-89
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CHEMWEST INDUSTRIES, INC.
Address: 13425 SAN BERNARDINO AVE
City: FONTANA
Status: Active
Comp Number: 12689
Number: 9
Board Of Equalization: 44-020410
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-012689-000007
Tank Status: A
Capacity: 10000
Active Date: 03-21-89

CHEMWEST IND INC (Continued) **1000303724**

Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CHEMWEST INDUSTRIES, INC.
Address: 13425 SAN BERNARDINO AVE
City: FONTANA
Status: Active
Comp Number: 12689
Number: 9
Board Of Equalization: 44-020410
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-012689-000008
Tank Status: A
Capacity: 10000
Active Date: 03-21-89
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CHEMWEST INDUSTRIES, INC.
Address: 13425 SAN BERNARDINO AVE
City: FONTANA
Status: Active
Comp Number: 12689
Number: 9
Board Of Equalization: 44-020410
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-012689-000009
Tank Status: A
Capacity: 10000
Active Date: 03-21-89
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CHEMWEST INDUSTRIES, INC.
Address: 13425 SAN BERNARDINO AVE
City: FONTANA
Status: Active
Comp Number: 12689
Number: 9
Board Of Equalization: 44-020410
Referral Date: 03-24-92
Action Date: 03-24-92
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-012689-000010

CHEMWEST IND INC (Continued) **1000303724**

Tank Status: A
Capacity: 10000
Active Date: 03-21-89
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

HIST UST:
Name: CHEMWEST INDUSTRIES, INC.
Address: 13425 SAN BERNARDINO AVE
City,State,Zip: FONTANA, CA 92335
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000012689
Facility Type: Other
Other Type: CHEMICAL MFG.
Contact Name: T. PAPCIAK
Telephone: 7148291689
Owner Name: CHEMWEST INDUSTRIES, INC.
Owner Address: 50 CALIFORNIA STREET, SUITE 29
Owner City,St,Zip: SAN FRANCISCO, CA 94111
Total Tanks: 0001

Tank Num: 001
Container Num: UT-1
Year Installed: 1979
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 1/2
Leak Detection: Stock Inventor

CA FID UST:
Facility ID: 36003649
Regulated By: UTNKA
Regulated ID: 00012689
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: 13425 SAN BERNARDINO AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: FONTANA 92335
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

US FIN ASSUR:
Name: CHEMWEST IND INC
Address: 13425 SAN BERNARDINO AVE

CHEMWEST IND INC (Continued) **1000303724**

City,State,Zip: FONTANA, CA 92335
EPA ID: CAD040520975
County: Not reported
Mechanism type: T
Mechanism Type Description: TRUST FUND (FULLY FUNDED)
Cost estimate: 7033.85
Face value: 7033.85
Effective date: 1983-07-07 00:00:00
Provider: ZION TRUST
EPA region: 9

2020 COR ACTION:
EPA ID: CAD040520975
Region: 9
Action: Remedy Construction

FINDS:
Registry ID: 110000621195

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS),EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), andToxic Release Inventory (TRI).
The Toxic Release Inventory System (TRIS) is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.
The Resource Conservation and Recovery Act Information System (RCRAInfo) is EPA's comprehensive information system in support of the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. It tracks many types of information about generators, transporters, treaters, storers, and disposers of hazardous waste.

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

ECHO:
Envid: 1000303724
Registry ID: 110000621195
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110000621195
Name: CHEMWEST IND INC
Address: 13425 SAN BERNARDINO AVE
City,State,Zip: FONTANA, CA 92335

HWP:
EPA ID: CAD040520975
Name: CHEMWEST INDUSTRIES INC

CHEMWEST IND INC (Continued) **1000303724**

Address:	13425 SAN BERNARDINO AVE
Cleanup Status:	UNDERGOING CLOSURE
Latitude:	34.07709
Longitude:	-117.5179
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	600088, TBD
Senate District:	29
Assembly District:	50
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	Information on this site is difficult to decipher and research due to long history of the site going back to the 1980's and this company leased portions of Kaiser Steel site (another complicated hazardous waste TSDF) for their operation. Chemwest units were located in two separate areas in Kaiser Steel site. The areas were referred as "Upper Facility" (Units Tankstr2 & Surfimp1 in database) and "Lower Facility" (Units Tanktrt1 & Tankstr1 in database). GSU investigated the history of this site (Lower Facility in particular) in a memo dated 6/25/2000. Data has been updated using this information along with information from project manager Kathy San Miguel. Chemwest site is part of the Kaiser Steel Resources Site. The facility submitted a Part A application in 1980 and submitted Part B application in 1985. A revised Part A was submitted in 2/87. The facility never received a permit. Permitting and Site Mitigation were both involved in Closure/Corrective action work (Permitting in initially and site mitigation for the later dates). The Lower Facility was clean closed on 08/21/96. The closure verification states remaining soil issues are being referred to Site Mitigation. The upper facility went through closure during the late 80's up to public notice stage but did not complete the closure at that time. Currently, the Upper Facility is being closed/remediated by site mitigation. Corrective action data is limited since the cleanup is being done by Site Mitigation. Per Kathy SanMiguel, Site Mitigation is still working on the clean up as of 3/06. Corrective action work data should be referred to the Site Mitigations STARS database. 05/21/2018-Used Consent order dated 08/11/2000 from cleanup to refer permitted units to CERCLA for cleanup. Jonathan Largent confirmed all units are closed with waste in place and are now tracked under a post closure permit under Kaiser Steel Facility. Site Certification Form was used to close all units with waste in place.
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	RCRA
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	96-100% (highest scores)
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Activities:

EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported

CHEMWEST IND INC (Continued) **1000303724**

Supervisor:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1991-03-28 00:00:00
Type:	RCRA
Title Description:	Initial Permit Application - Units Tankstr1, Tankstr2, Tanktrt1 and Surfimp1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description:	New Operating Permit - APPLICATION PART B RECEIVED
Actual Date:	04/01/1985

EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1991-03-28 00:00:00
Type:	RCRA
Title Description:	Initial Permit Application - Units Tankstr1, Tankstr2, Tanktrt1 and Surfimp1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description:	New Operating Permit - RESPONSE TO 1ST NOD RECEIVED
Actual Date:	02/20/1987

EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1991-03-28 00:00:00
Type:	RCRA
Title Description:	Initial Permit Application - Units Tankstr1, Tankstr2, Tanktrt1 and Surfimp1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description:	New Operating Permit - APPLICATION PART A RECEIVED
Actual Date:	09/25/1980

EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating

CHEMWEST IND INC (Continued) **1000303724**

Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1991-03-28 00:00:00
Type:	RCRA
Title Description:	Initial Permit Application - Units Tankstr1, Tankstr2, Tanktrt1 and Surfimp1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description:	New Operating Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date:	09/04/1987

EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1991-03-28 00:00:00
Type:	RCRA
Title Description:	Initial Permit Application - Units Tankstr1, Tankstr2, Tanktrt1 and Surfimp1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description:	New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date:	03/28/1991

EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1991-03-28 00:00:00
Type:	RCRA
Title Description:	Initial Permit Application - Units Tankstr1, Tankstr2, Tanktrt1 and Surfimp1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description:	New Operating Permit - CALL-IN LETTER ISSUED
Actual Date:	06/21/1984

CHEMWEST IND INC (Continued) **1000303724**

EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1991-03-28 00:00:00
Type: RCRA
Title Description: Initial Permit Application - Units Tankstr1, Tankstr2, Tanktrt1 and Surfimp1
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description: New Operating Permit - ADMINISTRATIVE REVIEW APPROVED
Actual Date: 03/30/1981

EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1991-03-28 00:00:00
Type: RCRA
Title Description: Initial Permit Application - Units Tankstr1, Tankstr2, Tanktrt1 and Surfimp1
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 04/26/1988

Closure:
EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure1a - Units Tankstr1 and Tanktrt1 - resumption of Closure1
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description: Closure - ISSUE CLOSURE VERIFICATION

CHEMWEST IND INC (Continued) **1000303724**

Actual Date: 08/21/1996

EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure1a - Units Tankstr1 and Tanktrt1 - resumption of Closure1
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 09/27/1990

EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure2 - Units Surfimp1 and Tankstr2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1, TANKSTR2
Event Description: Closure - PUBLIC COMMENT (BEGIN)
Actual Date: 07/01/1988

EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure1a - Units Tankstr1 and Tanktrt1 - resumption of Closure1
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description: Closure - CLOSURE PLAN APPROVED
Actual Date: 03/28/1991

EPA ID: CAD040520975

CHEMWEST IND INC (Continued) **1000303724**

Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Referred for closure to other agency
Final Date:	Not reported
Type:	RCRA
Title Description:	REFERRED TO SITE CLEANUP - CERCLA
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description:	Referred for closure to other agency - REFERRED FOR CLOSURE TO OTHER AGENCY
Actual Date:	03/19/2019

EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure 1 - Units Tankstr1 and Tanktrt1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR1, TANKTRT1
Event Description:	Closure - PUBLIC COMMENT (BEGIN)
Actual Date:	07/01/1988

EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure2 - Units Surfimp1 and Tankstr2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, TANKSTR2
Event Description:	Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date:	09/04/1987

EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC

CHEMWEST IND INC (Continued) **1000303724**

Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure1a - Units Tankstr1 and Tanktrt1 - resumption of Closure1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description:	Closure - CLOSURE PLAN RECEIVED
Actual Date:	07/01/1990

EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure2 - Units Surfimp1 and Tankstr2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, TANKSTR2
Event Description:	Closure - CLOSURE PLAN RECEIVED
Actual Date:	02/22/1987

EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure2 - Units Surfimp1 and Tankstr2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, TANKSTR2
Event Description:	Closure - PUBLIC COMMENT (END)
Actual Date:	07/31/1988

EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported

CHEMWEST IND INC (Continued) **1000303724**

Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure1a - Units Tankstr1 and Tanktrt1 - resumption of Closure1
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description: Closure - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 11/29/1990

EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure1a - Units Tankstr1 and Tanktrt1 - resumption of Closure1
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description: Closure - RESPONSE TO 2ND NOD RECEIVED
Actual Date: 12/14/1990

EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure 1 - Units Tankstr1 and Tanktrt1
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR1, TANKTRT1
Event Description: Closure - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 08/02/1998

EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure

CHEMWEST IND INC (Continued) **1000303724**

Final Date:	Not reported
Type:	RCRA
Title Description:	Closure1a - Units Tankstr1 and Tanktrt1 - resumption of Closure1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description:	Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date:	11/01/1990
EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure 1 - Units Tankstr1 and Tanktrt1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR1, TANKTRT1
Event Description:	Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date:	05/05/1990
EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure1a - Units Tankstr1 and Tanktrt1 - resumption of Closure1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description:	Closure - RECEIVE CLOSURE CERTIFICATION
Actual Date:	06/04/1996
EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure2 - Units Surfimp1 and Tankstr2

CHEMWEST IND INC (Continued) **1000303724**

Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1, TANKSTR2
Event Description: Closure - RESPONSE TO 1ST NOD RECEIVED
Actual Date: 04/26/1988

EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure2 - Units Surfimp1 and Tankstr2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1, TANKSTR2
Event Description: Closure - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 08/02/1988

EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure1a - Units Tankstr1 and Tanktrt1 - resumption of Closure1
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description: Closure - PUBLIC COMMENT (PUBLIC HEARING)
Actual Date: 01/31/1991

EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure2 - Units Surfimp1 and Tankstr2
Due Date: Not reported
Comments: Not reported
Unit Names: SURFIMP1, TANKSTR2

CHEMWEST IND INC (Continued) **1000303724**

Event Description:	Closure - CLOSURE PLAN APPROVED
Actual Date:	03/28/1991
EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Referred for closure to other agency
Final Date:	Not reported
Type:	RCRA
Title Description:	REFERRED TO SITE CLEANUP - CERCLA
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, TANKSTR1, TANKSTR2, TANKTRT1
Event Description:	Referred for closure to other agency - REFERRED FOR CLOSURE TO OTHER AGENCY
Actual Date:	08/11/2000
EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure2 - Units Surfimp1 and Tankstr2
Due Date:	Not reported
Comments:	Not reported
Unit Names:	SURFIMP1, TANKSTR2
Event Description:	Closure - ISSUE CLOSURE VERIFICATION
Actual Date:	09/18/2009
EPA ID:	CAD040520975
Facility Type:	Historical - Non-Operating
Facility Name:	CHEMWEST INDUSTRIES INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure 1 - Units Tankstr1 and Tanktrt1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR1, TANKTRT1
Event Description:	Closure - PUBLIC COMMENT (END)
Actual Date:	07/31/1988

CHEMWEST IND INC (Continued) **1000303724**

EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure 1 - Units Tankstr1 and Tanktrt1
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR1, TANKTRT1
Event Description: Closure - ISSUE CLOSURE VERIFICATION
Actual Date: 09/18/2009

EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure 1 - Units Tankstr1 and Tanktrt1
Due Date: Not reported
Comments: Plan interrupted and resubmitted 7/1/1990. See Closure1a.
Unit Names: TANKSTR1, TANKTRT1
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 04/26/1988

Alias:
EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Facility Status: UNDERGOING CLOSURE
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: FRS
Alias: 110000621195

EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Facility Status: UNDERGOING CLOSURE
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Envirostor ID Number
Alias: 36280139

CHEMWEST IND INC (Continued) **1000303724**

EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Facility Status: UNDERGOING CLOSURE
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Project Code (Site Code)
Alias: 600088

EPA ID: CAD040520975
Facility Type: Historical - Non-Operating
Facility Name: CHEMWEST INDUSTRIES INC
Facility Status: UNDERGOING CLOSURE
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Project Code (Site Code)
Alias: TBD

CERS:
Name: CHEMWEST
Address: 13425 SAN BERNARDINO AVENUE
City,State,Zip: FONTANA, CA
Site ID: 643259
CERS ID: SLT8R1204127
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: KEITH PERSON - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

P77 **CHEMWEST INDUSTRIES INC** **ENVIROSTOR** **S103442717**
SE **13425 SAN BERNARDINO AVENUE** **CPS-SLIC** **N/A**
1/2-1 **FONTANA, CA 92335** **WMUDS/SWAT**
0.924 mi. **HIST UST**
4879 ft. **Site 2 of 3 in cluster P** **DEED**
LDS
Relative: Lower **Cortese**
ENF
Actual: 1053 ft. **HIST CORTESE**
CIWQS
CERS

ENVIROSTOR:
Name: CHEMWEST INDUSTRIES INC
Address: 13425 SAN BERNARDINO AVE
City,State,Zip: FONTANA, CA 923350000
Facility ID: 80001364

CHEMWEST INDUSTRIES INC (Continued) **S103442717**

Status:	Certified / Operation & Maintenance
Status Date:	06/18/2012
Site Code:	600088
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	31
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	MBR
Program Manager:	Peter Bailey
Supervisor:	Edward Nieto
Division Branch:	Cleanup Legacy Landfills
Assembly:	50
Senate:	29
Special Program:	Not reported
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.07709
Longitude:	-117.5179
APN:	NONE SPECIFIED
Past Use:	LANDFILL - HAZARDOUS WASTE, MANUFACTURING - METAL, METAL FINISHING, WASTE - INDUSTRIAL TREATMENT FACILITY, WASTE - INDUSTRIAL WASTE LINE, WASTE - SEWAGE TREATMENT PLANT, WASTE - SEWAGE TREATMENT PONDS, WASTE WATER PONDS
Potential COC:	Under Investigation
Confirmed COC:	31001-NO
Potential Description:	OTH
Alias Name:	CAD040520975
Alias Type:	EPA Identification Number
Alias Name:	110000621195
Alias Type:	EPA (FRS #)
Alias Name:	600088
Alias Type:	Project Code (Site Code)
Alias Name:	36280139
Alias Type:	Envirostor ID Number
Alias Name:	80001364
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Operation and Maintenance Plan
Completed Date:	07/08/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	05/24/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	11/19/2008
Comments:	Not reported

CHEMWEST INDUSTRIES INC (Continued) **S103442717**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 11/19/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 07/08/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Corrective Measure Implementation Workplan
Completed Date: 02/13/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 02/13/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/22/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 12/13/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 06/02/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 06/07/2012
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: CHEMWEST UPPER PONDS
Completed Document Type: Correspondence
Completed Date: 05/04/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled

CHEMWEST INDUSTRIES INC (Continued) **S103442717**

Completed Date: 06/02/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 06/27/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 06/27/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Construction Complete
Completed Date: 06/27/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 06/07/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 02/14/1990
Comments: Confirmed via RCRA Corrective Action Analogous Review report dated 6/17/99.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 08/11/2000
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: CHEMWEST UPPER PONDS
Completed Document Type: Consent Agreement
Completed Date: 12/05/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 09/01/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 05/19/1994
Comments: Not reported

CHEMWEST INDUSTRIES INC (Continued) **S103442717**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 02/14/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 03/23/1990
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: CHEMWEST UPPER PONDS
Completed Document Type: Corrective Measures Study Workplan
Completed Date: 11/30/1990
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: CHEMWEST UPPER PONDS
Completed Document Type: RFI Workplan
Completed Date: 05/31/1990
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

Name: CHEMWEST INDUSTRIES
Address: 13425 SAN BERNARDINO AVENUE
City,State,Zip: FONTANA, CA 92335
Facility ID: 36280139
Status: Refer: RCRA
Status Date: 05/01/1995
Site Code: 600088
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 50
Senate: 29
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.07694

CHEMWEST INDUSTRIES INC (Continued) **S103442717**

Longitude: -117.515
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * Metals - Sludge * CONTAMINATED SOIL * ALKALINE SOLUTION 2<PH<12.5, WITH METALS
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD040520975
Alias Type: EPA Identification Number
Alias Name: 110000621195
Alias Type: EPA (FRS #)
Alias Name: 600088
Alias Type: Project Code (Site Code)
Alias Name: 36280139
Alias Type: Envirostor ID Number
Alias Name: 36330009
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/01/1995
Comments: Site is owned by Kaiser Resources, Inc. and was leased to Chemwest Indutries. Site consists of an upper facility and a lower facility. The upper facility is being remediated under a consent order signed 8/88. The lower facility is being addressed by an approved closure plan. Chemwest has filed for bankruptcy. Kaiser is conducting the remediation efforts. NFA for Site Mitigation Operations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/26/1991
Comments: Screening site inspection done by EPA's FIT team E&E recommending NFA by EPA. This site is part of the KAISER STEEL CORPORATION-FONTANA site which is being remediated under a consent order signed in August 1988.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/14/1983
Comments: Facility identified: San Bernardino Planning Map -- Metal pickling waste ponds on site.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:

CHEMWEST INDUSTRIES INC (Continued) **S103442717**

Name:	CHEMWEST
Address:	13425 SAN BERNARDINO AVENUE
City,State,Zip:	FONTANA, CA
Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	04/26/2099
Global Id:	SLT8R1204127
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	34.077558
Longitude:	-117.432655
Case Type:	Cleanup Program Site
Case Worker:	KDP
Local Agency:	Not reported
RB Case Number:	SLT8R120
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
EPA Region:	9
Coordinate Source:	Not reported
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	04/26/2099
Leak Reported Date:	Not reported
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	04/26/2099
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	96-100% (highest scores)
CA Enviroscreen 4 Score:	90-95%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

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

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
Primary Waste:	PROCES
Primary Waste Type:	Hazardous/Influent or Solid Wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported

CHEMWEST INDUSTRIES INC (Continued) **S103442717**

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:	Private
Agency Name:	KAISER STEEL RESOURCES
Agency Department:	Not reported
Agency Address:	P.O. BOX 2249
Agency City,St,Zip:	RANCHO CUCAMONGA ,CA 917292249
Agency Contact:	M ATKINSON
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	8
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 Description:	Not reported
Facility Telephone:	9098291689
SWAT Facility Name:	Not reported
Primary SIC:	2819
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	True
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	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.
Sub Chapter 15:	True
Regional Board Project Officer:	RDB
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Yes
Waste Discharge Requirements:	H
Self-Monitoring Rept. Frequency:	Monthly Submittal
Waste Discharge System ID:	8 361482001
Solid Waste Information ID:	Not reported

HIST UST:

Name:	CHEMWEST INDUSTRIES INC

CHEMWEST INDUSTRIES INC (Continued) **S103442717**

Address:	13425 SAN BERNARDINO AVENUE
City,State,Zip:	FONTANA, CA 92335
File Number:	00029b7a
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/00029b7a.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

DEED:

Name:	CHEMWEST INDUSTRIES INC
Address:	13425 SAN BERNARDINO AVE
City,State,Zip:	FONTANA, CA 923350000
Envirostor ID:	80001364
Area:	PROJECT WIDE
Sub Area:	Not reported
Site Type:	CORRECTIVE ACTION
Status:	CERTIFIED / OPERATION & MAINTENANCE
Agency:	Not reported
Covenant Uploaded:	Not reported
Deed Date(s):	Not reported
File Name:	Envirostor Land Use Restrictions

LDS:

Name:	FERRIC CHLORIDE MFG,FONTANA
Address:	13425 SAN BERNARDINO
City,State,Zip:	FONTANA, CA 92335
Global Id:	L10008850054
Latitude:	34.07721
Longitude:	-117.5113
Case Type:	Land Disposal Site
Status:	Completed - Case Closed
Status Date:	11/04/2009
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Caseworker:	KDP
Local Agency:	Not reported
RB Case Number:	8 361482001
LOC Case Number:	Not reported

CHEMWEST INDUSTRIES INC (Continued) **S103442717**

File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	L10008850054
Potential Contaminants of Concern:	Not reported
EPA Region:	9
Coordinate Source:	Google Geocode
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	Not reported
Leak Reported Date:	Not reported
How Discovered:	Not reported
How Discovered Description:	Not reported
Discharge Source:	Not reported
Discharge Cause:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	11/04/2009
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Chino (Split) (801.21)
Dwr Groundwater Subbasin Name:	Upper Santa Ana Valley - Chino (8-002.01)
Disadvantaged Community:	Severely Disadvantaged Community
CA Enviroscreen 3 Score:	96-100% (highest scores)
CA Enviroscreen 4 Score:	90-95%
Military DOD Site:	No
Facility Project Subtype:	Title 27 - Municipal Solid Waste Landfill
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Not reported

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

CORTESE:

Name:	FERRIC CHLORIDE MFG,FONTANA
Address:	13425 SAN BERNARDINO
City,State,Zip:	FONTANA, CA 92335
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	Not reported
Site/Facility Type:	Not reported
Cleanup Status:	Not reported
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Clean-up and Abatement Order
Swat R:	Not reported
Flag:	CORTESE
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Cease Desist Orders & Cleanup Abatement Orders

CHEMWEST INDUSTRIES INC (Continued) **S103442717**

ENF:

Name:	FERRIC CHLORIDE MFG,FONTANA
Address:	13425 SAN BERNARDINO
City,State,Zip:	FONTANA, CA 92335
Region:	8
Facility Id:	224367
Agency Name:	Not reported
Place Type:	Manufacturing
Place Subtype:	Manufacturing NEC
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	34.077198
Place Longitude:	-117.51487
SIC Code 1:	2819
SIC Desc 1:	Industrial Inorganic Chemicals, NEC
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported

CHEMWEST INDUSTRIES INC (Continued) **S103442717**

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:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	222424
Region:	8
Order / Resolution Number:	83-109
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	06/06/1983
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	Enforcement - 8 361482001
Description:	DETERMINE EXTENT OF PLUME AND CLEANUP.
Program:	LNDISP
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

HIST CORTESE:

edr_fname:	CHEMWEST INDUSTRIES
edr_fadd1:	13425 SAN BERNARDINO
City,State,Zip:	FONTANA, CA 92335
Region:	CORTESE
Facility County Code:	36
Reg By:	CALSI
Reg Id:	36280139

CIWQS:

Name:	FERRIC CHLORIDE MFG,FONTANA
Address:	13425 SAN BERNARDINO
City,State,Zip:	FONTANA, CA 92335
Agency:	Kaiser Steel Resources
Agency Address:	Po Box 2249, Rancho Cucamonga, CA 91729-2249
Place/Project Type:	Manufacturing NEC
SIC/NAICS:	2819
Region:	8
Program:	LNDISP
Regulatory Measure Status:	Historical
Regulatory Measure Type:	WDR
Order Number:	93-01001

CHEMWEST INDUSTRIES INC (Continued) **S103442717**

WDID:	8 361482001
NPDES Number:	Not reported
Adoption Date:	01/29/1993
Effective Date:	01/29/1993
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	0.0001
Major/Minor:	Not reported
Complexity:	B
TTWQ:	1
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.077198
Longitude:	-117.51487

CERS:

Name:	CHEMWEST INDUSTRIES INC
Address:	13425 SAN BERNARDINO AVE
City,State,Zip:	FONTANA, CA 923350000
Site ID:	606643
CERS ID:	CAD040520975
CERS Description:	Hazardous Waste

Affiliation:

Affiliation Type Desc:	Facility Contact
Entity Name:	UNDELIVERABLE 93 FEE FORM
Entity Title:	Not reported
Affiliation Address:	50 CALIFORNIA ST #2925
Affiliation City:	SAN FRANCISCO
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	941110000
Affiliation Phone:	4154218745,

Affiliation Type Desc:	Facility Owner
Entity Name:	CHEMWEST INDUSTRIES, INC.
Entity Title:	Not reported
Affiliation Address:	--
Affiliation City:	--
Affiliation State:	99
Affiliation Country:	Not reported
Affiliation Zip:	--
Affiliation Phone:	0000000000,

Name:	CHEMWEST INDUSTRIES
Address:	13425 SAN BERNARDINO AVE
City,State,Zip:	FONTANA, CA 923350000
Site ID:	606641
CERS ID:	80001364
CERS Description:	Corrective Action

Affiliation:

Affiliation Type Desc:	Lead Project Manager
Entity Name:	Peter Bailey
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported

CHEMWEST INDUSTRIES INC (Continued) **S103442717**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Supervisor
Entity Name: Edward Nieto
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: FERRIC CHLORIDE MFG,FONTANA
Address: 13425 SAN BERNARDINO
City,State,Zip: FONTANA, CA 92335
Site ID: 206992
CERS ID: L10008850054
CERS Description: Land Disposal Site

Enforcement Action:
Site ID: 206992
Site Name: FERRIC CHLORIDE MFG,FONTANA
Site Address: 13425 SAN BERNARDINO
Site City: FONTANA
Site Zip: 92335
Enf Action Date: 06-06-1983
Enf Action Type: Clean-up and Abatement Order
Enf Action Description: Clean-up and Abatement Order
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: UNSPEC
Enf Action Source: CIWQS,

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: KEITH PERSON - SANTA ANA RWQCB (REGION 8)
Entity Title: Not reported
Affiliation Address: 3737 MAIN STREET, SUITE 500
Affiliation City: RIVERSIDE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Name: FERRIC CHLORIDE MFG,FONTANA
Address: 13425 SAN BERNARDINO
City,State,Zip: FONTANA, CA 92335
Site ID: 206992
CERS ID: 224367
CERS Description: Land Disposal

Enforcement Action:
Site ID: 206992

CHEMWEST INDUSTRIES INC (Continued) **S103442717**

Site Name:	FERRIC CHLORIDE MFG,FONTANA
Site Address:	13425 SAN BERNARDINO
Site City:	FONTANA
Site Zip:	92335
Enf Action Date:	06-06-1983
Enf Action Type:	Clean-up and Abatement Order
Enf Action Description:	Clean-up and Abatement Order
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	UNSPEC
Enf Action Source:	CIWQS,

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	KEITH PERSON - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 MAIN STREET, SUITE 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	,

P78 **CHEMWEST INDUSTRIES** **Toxic Pits** **S100925145**
SE **13425 SAN BERNARDINO AVENUE** **N/A**
1/2-1 **FONTANA, CA 92335**
0.924 mi.
4879 ft. **Site 3 of 3 in cluster P**

Relative: **Lower**

Actual: **1053 ft.**

TOXIC PITS:

Region:	08
Task #:	88001
Owner:	CHEMWEST INDUSTRIES
1/2 Mi Limit:	Y
Num. of Pits:	5
Cease Discharge Due:	06/30/88
Cease Discharge Complete:	03/20/89
Closure Due:	06/30/90
Closure Completed:	**06/28/90**
Status:	CLOSED
Hydro Geological Assessment Report Due:	/ /
Final Hydro Geological Assessment Review Completed:	03/22/89

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FONTANA	S128004955	14253 WHITTRAM AVENUE	14253, 14315 AND 14339 WHITTRA	92335	ENVIROSTOR, VCP
RANCHO CUCAMONGA	S107538462		ETIWANDA ST		CDL
RANCHO CUCAMONGA	S101618867	FORE FOOTHILL & GROVE	8112 FOOTHILL BLVD & 8118-8226	91730	ENVIROSTOR, VCP, SWEEPS UST, HIST UST, CA FID 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

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
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 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 03/26/2023
Date Data Arrived at EDR: 03/28/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/23/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

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: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

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: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
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: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/31/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 54

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/21/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 62

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/21/2023
Next Scheduled EDR Contact: 12/04/2023
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: 06/12/2023
Date Data Arrived at EDR: 06/20/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 55

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/20/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

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: 04/24/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 04/24/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 05/08/2023
Date Data Arrived at EDR: 05/08/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 84

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/08/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

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 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: 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: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

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

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

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

LUST REG 6V: Leaking Underground Storage Tank Case Listing

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

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

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

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 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 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 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: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

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

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

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: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

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

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

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

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
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: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

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: No Update Planned

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: No Update Planned

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: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

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: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 82
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 05/31/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
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: 04/26/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
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: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
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: 04/20/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/19/2023
Date Data Arrived at EDR: 05/09/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 66

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

Lists of 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: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/13/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

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

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
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: 04/24/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/14/2023
Date Data Arrived at EDR: 06/14/2023
Date Made Active in Reports: 09/06/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/14/2023
Next Scheduled EDR Contact: 10/02/2023
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: 04/06/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 08/30/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 83

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/27/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 48

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

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

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

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

Date of Government Version: 04/24/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 71

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/31/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: California Environmental Reporting System Hazardous Waste

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/11/2023
Number of Days to Update: 84

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

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: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 48

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/21/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/06/2023
Number of Days to Update: 79
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/06/2023
Date Data Arrived at EDR: 06/07/2023
Date Made Active in Reports: 08/25/2023
Number of Days to Update: 79
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Semi-Annually

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: 05/25/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 81
Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/19/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/20/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

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: 04/15/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/25/2023
Number of Days to Update: 81

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/25/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

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: 05/08/2023
Date Data Arrived at EDR: 05/16/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 55
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 11/27/2023
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: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239
Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/10/2023
Next Scheduled EDR Contact: 10/23/2023
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: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574
Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/01/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 06/19/2023
Date Data Arrived at EDR: 06/20/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 55
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/20/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/03/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/16/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 02/16/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 75

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/18/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 83

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 06/12/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

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

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 11/13/2023
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: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/07/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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: 03/15/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/12/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 04/14/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 87
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 12/11/2023
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: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/28/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/03/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

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

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/22/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2023
Date Data Arrived at EDR: 04/20/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

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: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/10/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/22/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 18

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/01/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Quarterly

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/01/2023
Date Data Arrived at EDR: 05/24/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 61

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/24/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/24/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines
An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/13/2023
Date Data Arrived at EDR: 06/14/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 61

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/18/2023
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: 05/04/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 07/24/2023
Number of Days to Update: 60

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/25/2023
Date Data Arrived at EDR: 03/31/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 54

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 06/07/2023
Date Data Arrived at EDR: 06/08/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 1

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

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

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

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

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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

Date of Government Version: 06/14/2023
Date Data Arrived at EDR: 06/14/2023
Date Made Active in Reports: 09/06/2023
Number of Days to Update: 84

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/14/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 03/31/2023
Date Data Arrived at EDR: 05/08/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 84

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/10/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

DRYCLEAN EAST KERN DIST: Eastern Kern Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Eastern Kern Air Pollution Control District.

Date of Government Version: 01/12/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79

Source: Eastern Kern Air Pollution Control District
Telephone: 661-862-9684
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BAY AREA DIST: Bay Area Air Quality Management District Drycleaner Facility Listing
Bay Area Air Quality Management District Drycleaner Facility Listing.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1432

Source: Bay Area Air Quality Management District
Telephone: 415-516-1916
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN BUTTE CO DIST: Butte County Air Quality Management DistrictDrycleaner Facility Listing
Butte County Air Quality Management DistrictDrycleaner Facility Listing.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1469

Source: Butte County Air Quality Management District
Telephone: 530-332-9400
Last EDR Contact: 07/13/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN CALAVERAS CO DIST: Calaveras County Environmental Management Agency Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Calaveras County Environmental Management Agency.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1412

Source: Calaveras County Environmental Management Agency
Telephone: 209-754-6399
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN IMPERIAL CO DIST: Imperial County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Imperial County Air Pollution Control District

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79

Source: Imperial County Air Pollution Control District
Telephone: 442-265-1800
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MENDO CO DIST: Mendocino County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mendocino County Air Quality Management District.

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77

Source: Mendocino County Air Quality Management District
Telephone: 707-463-4354
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN GRANT: Grant Recipients List

Assembly Bill 998 (AB 998) established the Non-Toxic Dry Cleaning Incentive Program to provide financial assistance to the dry cleaning industry to switch from systems using perchloroethylene (Perc), an identified toxic air contaminant and potential human carcinogen, to non-toxic and non-smog forming alternatives.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 816

Source: California Air Resources Board
Telephone: 916-323-0006
Last EDR Contact: 07/24/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

DRYCLEAN MOJAVE DESERT DIST: Mojave Desert Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Mojave Desert Air Quality Management District.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78

Source: Mojave Desert Air Quality Management District
Telephone: 760-245-1661
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN LAKE CO DIST: Lake County Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Lake County Air Quality Management District,

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455

Source: Lake County Air Quality Management District
Telephone: 707-263-7000
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN MONTEREY BAY DIST: Monterey Bay Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Monterey Bay Air Quality Management District.

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79

Source: Monterey Bay Air Quality Management District
Telephone: 831-647-9411
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SHASTA CO DIST: Shasta County Air Quality Management District District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Shasta County Air Quality Management District.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78

Source: Shasta County Air Quality Management District
Telephone: 530-225-5674
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO COAST UNIFIED DIST: North Coast Unified Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the North Coast Unified Air Quality Management District.

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473

Source: North Coast Unified Air Quality Management District
Telephone: 707-443-3093
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN YOLO-SOLANO DIST: Yolo-Solano Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Yolo-Solano Air Quality Management District.

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78

Source: Yolo-Solano Air Quality Management District
Telephone: 530-757-3650
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO SIERRA DIST: Northern Sierra Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sierra Air Quality Management District,

Date of Government Version: 05/07/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455
Source: Northern Sierra Air Quality Management District
Telephone: 530-274-9350
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN DIEGO CO DIST: San Diego County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Diego County Air Pollution Control District.

Date of Government Version: 02/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1461
Source: San Diego County Air Pollution Control District
Telephone: 858-586-2616
Last EDR Contact: 08/08/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN JOAQ VAL DIST: San Joaquin Valley Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Joaquin Valley Air Pollution Control District.

Date of Government Version: 05/24/2023
Date Data Arrived at EDR: 05/30/2023
Date Made Active in Reports: 08/21/2023
Number of Days to Update: 83
Source: San Joaquin Valley Air Pollution Control District
Telephone: 559-230-6001
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 05/17/2023
Date Data Arrived at EDR: 05/18/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 83
Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 05/22/2023
Date Data Arrived at EDR: 05/24/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 82
Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Varies

DRYCLEAN SACRAMENTO METO DIST: Sacramento Metropolitan Air Quality Management DistrictDrycleaner Facility Listing
A listing of drycleaner facility locations, for the Sacramento Metropolitan Air Quality Management District.

Date of Government Version: 04/25/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/19/2023
Number of Days to Update: 82
Source: Sacramento Metropolitan Air Quality Management District
Telephone: 916-874-3958
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN GLENN CO DIST: Glenn County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Glenn County Air Pollution Control District.

Date of Government Version: 05/02/2023
Date Data Arrived at EDR: 05/03/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 83
Source: Glenn County Air Pollution Control District
Telephone: 530-934-6500
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SANTA BARB CO DIST: Santa Barbara County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Santa Barbara County Air Pollution Control District.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Santa Barbara County Air Pollution Control District
Telephone: 805-961-8867
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN SAN LUIS OB CO DIST: San Luis Obispo County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Luis Obispo County Air Pollution Control District.

Date of Government Version: 04/23/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1467
Source: San Luis Obispo County Air Pollution Control District
Telephone: 805-781-5756
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN TEHAMA CO DIST: Tehama County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Tehama County Air Pollution Control District.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1468
Source: Tehama County Air Pollution Control District
Telephone: 530-527-3717
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN AMADOR: Amador Air District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Amador Air Quality Management District

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77
Source: Amador Air Quality Management District
Telephone: 209-257-0112
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN FEATHER RIVER DIST: Feather River Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Feather River Air Quality Management District.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 06/05/2023
Number of Days to Update: 88
Source: Feather River Air Quality Management District
Telephone: 530-634-7659
Last EDR Contact: 06/08/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Annually

DRYCLEAN VENTURA CO DIST: Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Ventura County Air Pollution Control District.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475

Source: Ventura County Air Pollution Control District
Telephone: 805-645-1421
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN PLACER CO DIST: Placer County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Placer County Air Quality Management District.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 89

Source: Placer County Air Quality Management District
Telephone: 530-745-2335
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN NO SONOMA CO DIST: Norther Sonoma County County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sonoma County Air Pollution Control District.,

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475

Source: Santa Barbara County Air Pollution Control District
Telephone: 707-433-5911
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 06/09/2023
Date Made Active in Reports: 08/30/2023
Number of Days to Update: 82

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/09/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/06/2023
Number of Days to Update: 79

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/11/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 06/28/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/16/2023
Number of Days to Update: 83

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Varies

ICE: Inspection, Compliance and Enforcement
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/16/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 85
Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/14/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 05/16/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 85
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/14/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/27/2023
Number of Days to Update: 84
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76
Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/07/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Annually

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
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: 05/08/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/16/2023
Number of Days to Update: 83

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/08/2023
Date Data Arrived at EDR: 05/08/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/08/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/16/2023
Number of Days to Update: 83

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

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

Date of Government Version: 06/06/2023
Date Data Arrived at EDR: 06/07/2023
Date Made Active in Reports: 08/25/2023
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Annually

SANTA CRUZ CO SITE MITI: Site Mitigation Listing
Sites may become contaminated with toxic chemicals through illegal dumping or disposal, from leaking underground storage tanks, or through industrial or commercial activities.The goal of the site mitigation program is to protect the public health and the environment while facilitating completion of contaminated site clean-up projects in a timely manner.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 20
Source: Santa Cruz Environmental Health Services
Telephone: 831-454-2761
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region’s active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/07/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/13/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 06/02/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 08/23/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System
The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 05/25/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data
The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 04/17/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/06/2023
Number of Days to Update: 79

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 06/05/2023
Date Data Arrived at EDR: 06/05/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS 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.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: No Update Planned

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/13/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/24/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI
Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 06/07/2023
Date Data Arrived at EDR: 06/08/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 1

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Varies

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data
The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 07/16/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 03/29/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 75

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 03/17/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 06/06/2023
Number of Days to Update: 77

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/20/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 05/10/2023
Date Data Arrived at EDR: 05/10/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 82

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: 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: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 04/14/2023
Date Made Active in Reports: 06/28/2023
Number of Days to Update: 75

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/26/2023
Date Data Arrived at EDR: 07/27/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 13

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/26/2023
Date Data Arrived at EDR: 07/27/2023
Date Made Active in Reports: 08/03/2023
Number of Days to Update: 7

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: 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: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List

Cupa facility list

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 05/31/2023
Number of Days to Update: 34

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List

Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

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: N/A
Telephone: N/A
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/06/2023
Date Made Active in Reports: 06/26/2023
Number of Days to Update: 81

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/10/2023
Date Data Arrived at EDR: 04/11/2023
Date Made Active in Reports: 06/26/2023
Number of Days to Update: 76

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/10/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/14/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/13/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/20/2023
Date Data Arrived at EDR: 06/22/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 48

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/22/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/22/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/02/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 07/07/2023
Number of Days to Update: 80
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/20/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 42
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: 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: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72
Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/21/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 07/25/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/05/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 81

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/01/2023
Date Data Arrived at EDR: 05/18/2023
Date Made Active in Reports: 06/14/2023
Number of Days to Update: 27

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/03/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/26/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 78

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 07/31/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/10/2023
Date Data Arrived at EDR: 04/12/2023
Date Made Active in Reports: 06/28/2023
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 04/10/2023
Date Data Arrived at EDR: 04/12/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 62

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/29/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 05/02/2023
Date Data Arrived at EDR: 05/04/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 82

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/09/2023
Date Data Arrived at EDR: 05/10/2023
Date Made Active in Reports: 08/01/2023
Number of Days to Update: 83

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: 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: 05/25/2023
Date Data Arrived at EDR: 05/25/2023
Date Made Active in Reports: 08/16/2023
Number of Days to Update: 83

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/04/2023
Date Data Arrived at EDR: 04/05/2023
Date Made Active in Reports: 06/27/2023
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

SAN DIEGO CO SAM: 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: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 05/03/2023
Number of Days to Update: 5
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 04/11/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 07/11/2023
Number of Days to Update: 89
Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 07/18/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/06/2023
Next Scheduled EDR Contact: 09/25/2023
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/10/2023
Date Data Arrived at EDR: 05/11/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 81

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/08/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 08/29/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/10/2023
Date Data Arrived at EDR: 05/11/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 81

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/15/2023
Next Scheduled EDR Contact: 12/04/2023
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/09/2023
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/13/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/13/2023
Next Scheduled EDR Contact: 10/02/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/05/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/22/2023
Next Scheduled EDR Contact: 12/11/2023
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 05/11/2023
Date Data Arrived at EDR: 05/11/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 81

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 06/28/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 07/26/2023
Next Scheduled EDR Contact: 11/13/2023
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: 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: 03/27/2023
Date Data Arrived at EDR: 04/25/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 80

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

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

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/21/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/02/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: No Update Planned

MED WASTE VENTURA: 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: 03/27/2023
Date Data Arrived at EDR: 04/21/2023
Date Made Active in Reports: 07/07/2023
Number of Days to Update: 77

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/17/2023
Next Scheduled EDR Contact: 10/30/2023
Data Release Frequency: Quarterly

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

Date of Government Version: 05/26/2023
Date Data Arrived at EDR: 06/02/2023
Date Made Active in Reports: 06/14/2023
Number of Days to Update: 12

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/06/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 04/03/2023
Date Data Arrived at EDR: 04/18/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 56

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/21/2023
Next Scheduled EDR Contact: 10/09/2023
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/04/2023
Date Data Arrived at EDR: 05/04/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 82

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/19/2023
Next Scheduled EDR Contact: 11/06/2023
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: 11/16/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/06/2023
Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/08/2023
Next Scheduled EDR Contact: 11/20/2023
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/27/2023
Next Scheduled EDR Contact: 10/16/2023
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/27/2023
Next Scheduled EDR Contact: 11/06/2023
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/06/2023
Next Scheduled EDR Contact: 10/23/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/27/2023
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 08/30/2023
Next Scheduled EDR Contact: 12/18/2023
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

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

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

APN 22928379
APN 22928379
RANCHO CUCAMONGA, CA 91739

TARGET PROPERTY COORDINATES

Latitude (North):	34.09114 - 34˚ 5’ 28.10’’
Longitude (West):	117.527679 - 117˚ 31’ 39.64’’
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	451320.8
UTM Y (Meters):	3772192.5
Elevation:	1123 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12015973 GUASTI, CA
Version Date:	2018

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).

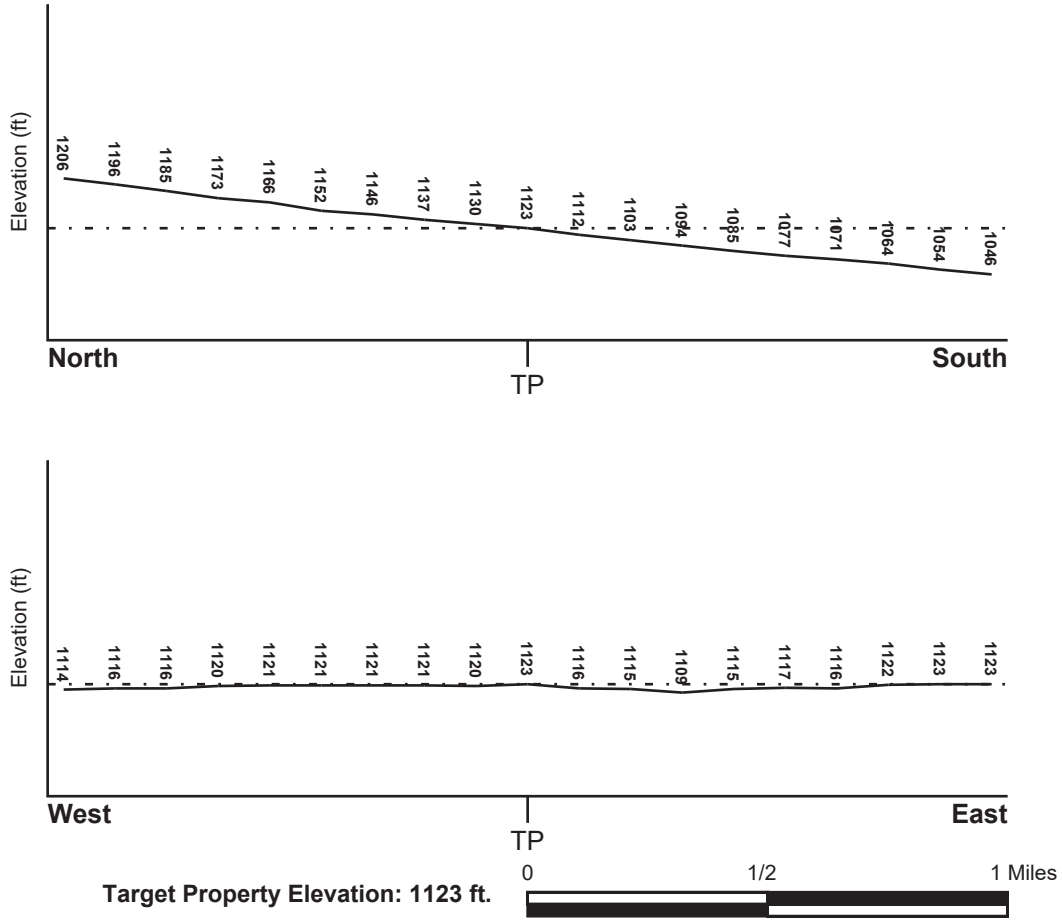
TOPOGRAPHIC INFORMATION

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 SSE

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

Flood Plain Panel at Target Property	FEMA Source Type
06071C8634J	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06071C8635J	FEMA FIRM Flood data
06071C8633H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
GUASTI	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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

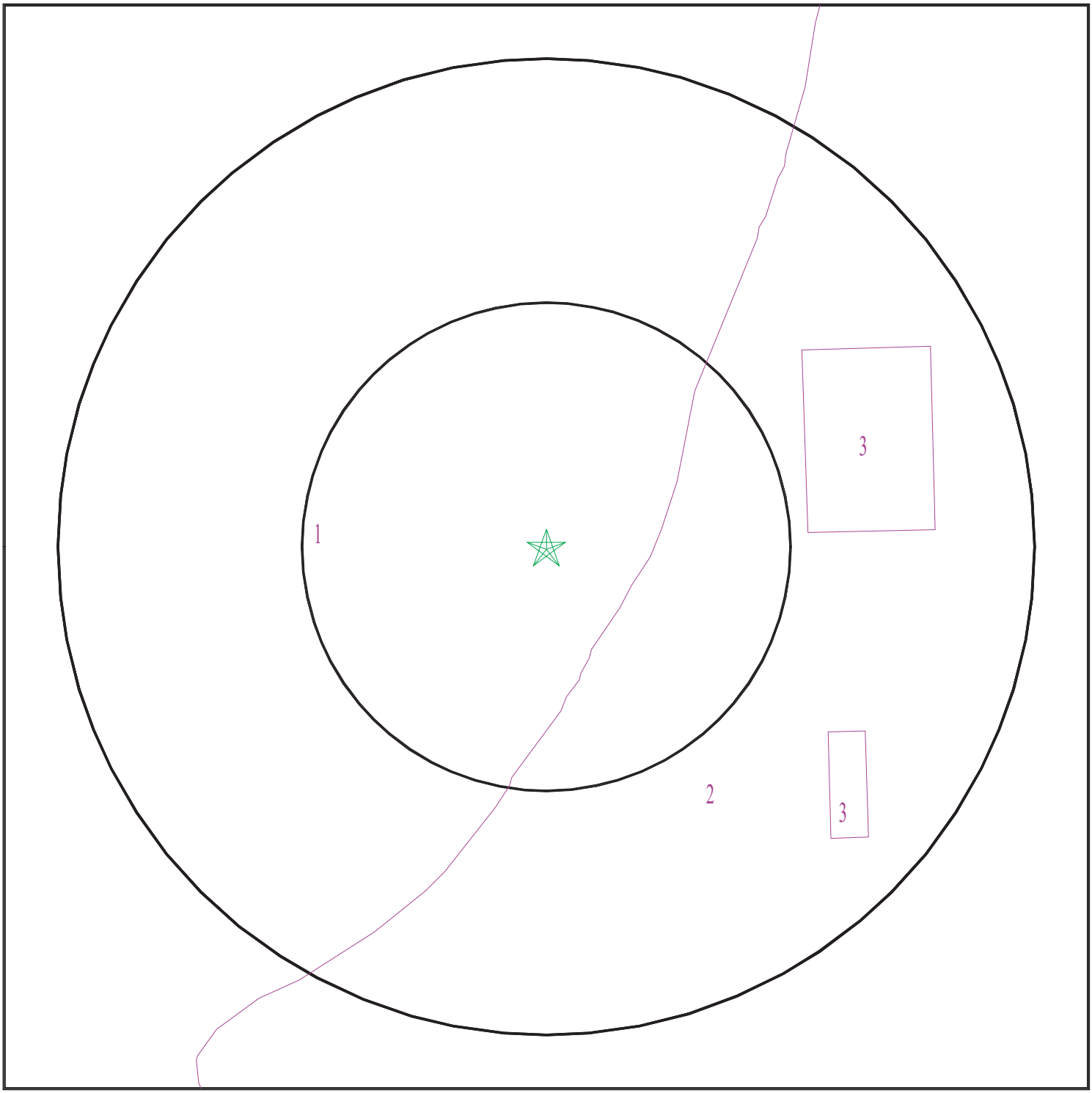
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7438580.1s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	APN 22928379	CLIENT:	Kleinfelder, Inc.
ADDRESS:	APN 22928379 Rancho Cucamonga CA 91739	CONTACT:	Lindsey Dandridge-Perry
		INQUIRY #:	7438580.1s
LAT/LONG:	34.09114 / 117.527679	DATE:	September 07, 2023 5:04 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: TUJUNGA

Soil Surface Texture: gravelly loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1
2	18 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1

Soil Map ID: 2

Soil Component Name: Hanford

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
2	11 inches	59 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6

Soil Map ID: 3

Soil Component Name: Water

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CADWR0000022945	1/8 - 1/4 Mile NNW
2	CADWR0000002581	1/4 - 1/2 Mile SSW
3	CADWR0000036126	1/4 - 1/2 Mile SSE
4	CADWR0000026580	1/4 - 1/2 Mile SW
5	CADWR0000006166	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 7438580.1s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: APN 22928379	CLIENT: Kleinfelder, Inc.
ADDRESS: APN 22928379 Rancho Cucamonga CA 91739	CONTACT: Lindsey Dandridge-Perry
LAT/LONG: 34.09114 / 117.527679	INQUIRY #: 7438580.1s DATE: September 07, 2023 5:04 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
NNW **CA WELLS** **CADWR0000022945**
1/8 - 1/4 Mile
Higher

Well ID:	01S06W08Q001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S06W08Q001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S06W08Q001S&store_num=		
GeoTracker Data:	Not Reported		

2
SSW **CA WELLS** **CADWR0000002581**
1/4 - 1/2 Mile
Lower

Well ID:	01S06W17G001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S06W17G001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S06W17G001S&store_num=		
GeoTracker Data:	Not Reported		

3
SSE **CA WELLS** **CADWR0000036126**
1/4 - 1/2 Mile
Lower

Well ID:	01S06W17H001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S06W17H001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S06W17H001S&store_num=		
GeoTracker Data:	Not Reported		

4
SW **CA WELLS** **CADWR0000026580**
1/4 - 1/2 Mile
Lower

Well ID:	01S06W17F001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S06W17F001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S06W17F001S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database	EDR ID Number
CA WELLS	**CADWR0000006166**

5
SE
1/2 - 1 Mile
Lower

Well ID:	01S06W16L001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	01S06W16L001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=01S06W16L001S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
91739	14	0

Federal EPA Radon Zone for SAN BERNARDINO 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 Zip Code: 91739

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.900 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

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 Service (NRCS)
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 Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
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.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX C
User Provided and Regulatory Agency Documentation

DRAFT

San Bernardino County Assessor - Recorder - County Clerk

Office of Chris Wilhite

Report generated: Tuesday, September 5, 2023

Parcel Report



Parcel

Parcel: 0229283790000

Parcel Status: A | ACTIVE

Parcel Type: 0 | REAL PROPERTY

Property ID:

Tax Status: 1 | ASSESSED BY COUNTY

Use Code: ELECT PLNT

Land Access: ****** CHECK

Size: 00 | 0 TO 4,999 SQ. FEET

Land Type: 04 | PUBLIC FACILITIES

District: ONTARIO

Resp Group: S | SPECIAL PROPERTY

RespnUnit: ELE | ELECTRICAL POWER USE REGARDLESS OF ZONE

Owner

Owner 1: RRI ENERGY ETIWANDA INC

Owner 2: C/O MARVIN F POER AND COMPANY

Joint Owner:

Effective Date: 05/18/2022

Current Owners

Name	R/I	% Int	Type	Acquisition Date	Document Date	Inactive Date	Document Nbrs
RRI ENERGY ETIWANDA INC	CT = CORPORATION	100.0000	B = BILLED OWNER	10/08/2019	10/08/2019	NONE	20190361545

Legal Reason For Change

Legal Reason For Change	Document Number	Recorded Date
SBE | STATE BOARD OF EQUALIZATION (UTILITY MAP CHANGE)		12/27/2018

Roll Values History

Roll Year	TRA	Supplement	Corrected Date	Corrected Code	Billed Owner	Joint Owner	Land Value	Improvement Value	Impr Pena
2023	15019	NO			RRI ENERGY ETIWANDA INC		$12,920,726	$2,069,817	0
2022	15019	NO			RRI ENERGY ETIWANDA INC		$12,667,378	$2,029,232	0
2021	15019	NO			RRI ENERGY ETIWANDA INC		$12,418,998	$1,989,443	0
2020	15019	NO			RRI ENERGY ETIWANDA INC		$12,291,656	$1,969,044	0
2019	15019	NO			RELIANT ENERGY ETIWANDA INC		$0	$0	0
2018	15019	NO			RELIANT ENERGY ETIWANDA INC		$0	$0	0
2017	15019	NO			RELIANT ENERGY ETIWANDA INC		$0	$0	0
2016	15019	NO			RELIANT ENERGY ETIWANDA INC		$0	$0	0
2015	15019	NO			RELIANT ENERGY ETIWANDA INC		$0	$0	0
2014	15019	NO			RELIANT ENERGY ETIWANDA INC		$0	$0	0
2013	15019	NO			RELIANT ENERGY ETIWANDA INC		$0	$0	0
2012	15019	NO			RELIANT ENERGY ETIWANDA INC		$0	$0	0
2011	15019	NO			RELIANT ENERGY ETIWANDA INC		$0	$0	0
2010	15019	NO			RELIANT ENERGY ETIWANDA INC		$0	$0	0
2009	15019	NO			RELIANT ENERGY ETIWANDA INC		$0	$0	0

Roll Year	TRA	Supplement	Corrected Date	Corrected Code	Billed Owner	Joint Owner	Land Value	Improvement Value	Impr Pena
2008	15019	NO			RELIANT ENERGY ETIWANDA INC		$0	$0	0
2007	15019	NO			RELIANT ENERGY ETIWANDA INC		$0	$0	0
2006	15019	NO			RELIANT ENERGY ETIWANDA INC		$0	$0	0
2005	15019	NO			RELIANT ENERGY ETIWANDA INC		$0	$0	0
2004	15019	NO			RELIANT ENERGY ETIWANDA INC		$0	$0	0
2002	15019	NO	05/13/2003	525N	RELIANT ENERGY ETIWANDA LLC		$9,281,449	$1,184,787	0
2001	15019	NO	05/13/2003	525N	RELIANT ENERGY ETIWANDA LLC		$9,099,460	$1,161,556	0
2000	15019	NO	05/13/2003	525N	RELIANT ENERGY ETIWANDA LLC		$8,921,039	$1,138,780	0
1999	15019	NO	02/21/2001	540E	MOUNTAIN VISTA POWER GENERATION		$8,746,117	$1,116,451	0

Parcel History

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	022928379P000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229283790000 TRA-RNG
01/01/2023	TRA EVENT - CHANGE TRA ON SINGLE OR MULTIPLE PARCELS	YES	0229283791000 TRA-RNG
10/08/2019	TRANSFER - 100% PER RECORDED DOCUMENT	NO	
12/30/2002	TRANSFER - 100% PER OTHER SOURCE	NO	
03/08/2002	TRANSFER - 100% PER RECORDED DOCUMENT	NO	
03/03/2001	TRA EVENT - ADDED FROM PREVIOUS PARCEL	NO	
03/03/2001	TRA EVENT - ADDED FROM PREVIOUS PARCEL	NO	
02/08/1999	TRANSFER - 100% PER RECORDED DOCUMENT	NO	
04/07/1998	TRANSFER - 100% PER RECORDED DOCUMENT	NO	
03/25/1998	CREATE - SPLIT	YES	0229283790000 NEW-SPL
03/25/1998	CREATE - SPLIT	YES	0229283780000 NEW-SPL
03/25/1998	CREATE - SPLIT	YES	0229283770000 NEW-SPL
03/25/1998	CREATE - SPLIT	YES	0229283760000 NEW-SPL
03/25/1998	CREATE - SPLIT	YES	0229283750000 NEW-SPL
03/25/1998	INACTIVATE - SPLIT	YES	0229283280000 OLD-SPL
03/25/1998	INACTIVATE - SPLIT	YES	0229283270000 OLD-SPL

Event Date	Event Group/Type	Multi Parcel	Multi Parcel List
03/25/1998	CREATE - SPLIT	YES	0229283740000 NEW-SPL
03/25/1998	CREATE - SPLIT	YES	0229283730000 NEW-SPL

Owner History

Name	R/I	% Int	Type	Acquisition Date	Document Date	OrigInactive Date	Document Number
RRI ENERGY ETIWANDA INC	CT | CORPORATION	100.0000	B | BILLED OWNER	10/08/2019	10/08/2019	NONE	20190361545
RELIANT ENERGY ETIWANDA INC	CT | CORPORATION	100.0000	B | BILLED OWNER	03/08/2002	12/30/2002	10/07/2019	2002123000085
RELIANT ENERGY ETIWANDA INC	CT | CORPORATION	100.0000	B | BILLED OWNER	03/08/2002	02/13/2003	12/29/2002	20030095234
RELIANT ENERGY ETIWANDA LLC	SO | SOLE OWNER	100.0000	B | BILLED OWNER	02/08/1999	02/13/2003	03/07/2002	20030095371
MOUNTAIN VISTA POWER GENERATION	SO | SOLE OWNER	100.0000	B | BILLED OWNER	04/07/1998	04/07/1998	02/07/1999	19980126817
SOUTHERN CALIFORNIA EDISON COMPANY	CT | CORPORATION	100.0000	B | BILLED OWNER	01/01/1973	03/25/1998	04/06/1998	9810506800000

Supplement History

Suplement Date	Roll Type	Suplement Type	Revised IND	Corrected Date	Correction Code	Supplement Year	Legal Status	TRA	E
04/07/1998	INT | INTERIM SUPPLEMENT	TRF | OWNERSHIP TRANSFER				1998	Secured	15019	N V P C
04/07/1998	REG | REGULAR SUPPLEMENT	TRF | OWNERSHIP TRANSFER				1998	Secured	15019	N V P C

Land Characteristics

Effective Date From: 03/25/1998

Effective Date to: Present

Zoning:

Lot Width: 0.00

Lot Depth: 0.00

Footage: 9

Gross Acre: 0

Net Acre: 0

Access: 9 | CHECK

Slope Dir: 9 | CHECK

Slope Degree: 9 | CHECK

View Quality: 9 | CHECK

View Type: 9 | CHECK

Sewer: 9 | CHECK

Water: 9 | CHECK

Elec.: 9 | CHECK

Gas: 9 | CHECK

Offsite: 9 | CHECK

Enc/Eas: 0 | NONE

Nuisance1: 9 | RAILROAD

Nuisance2: 9 | RAILROAD

Spc Infl1: 0 | NONE

Spc Infl2: 0 | NONE

Dock Rts: 9 | CHECK

Lease Exp:

San Bernardino County Assessor-Recorder-Clerk Parcel Information Management System

v2023-08-17



E

CY

R/I	% Int	Type	Acquisition Date	Document Date	Inactive Date
SO = SOLE OWNER	100.0000	B = BILLED OWNER	11/18/2005	11/18/2005	NONE

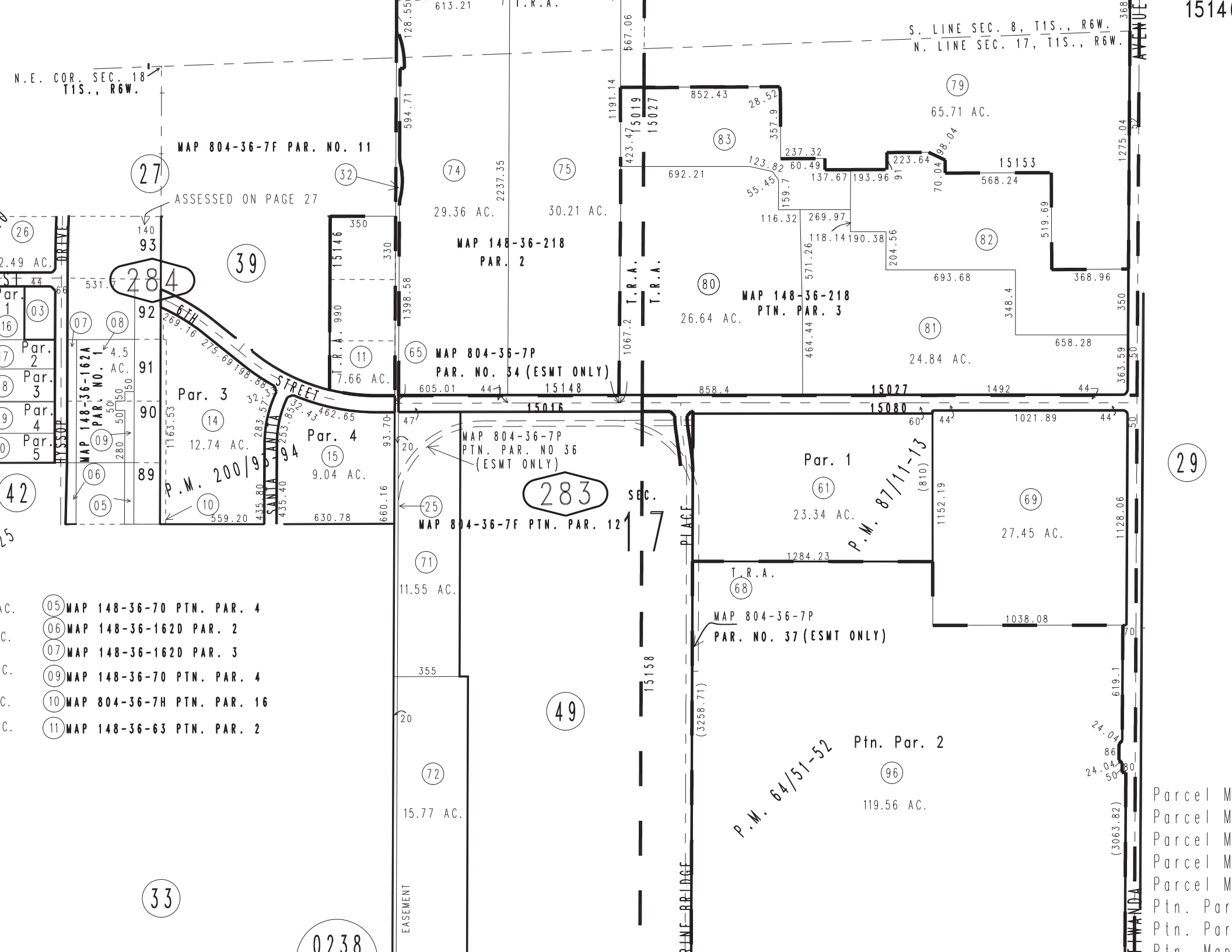
Document Number	Recorded Date
20010192790	05/17/2001

		UTILITIES AGENCY								
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		INLAND EMPIRE UTILITIES AGENCY	$0	$0	0	$0	$0	$0	$0	$0
		PACIFIC TERMINALS LLC	$1,476,960	$65,280	0	$0	$0	$0	$1,542,240	$0
2/2004	540E	PACIFIC TERMINALS LLC	$1,448,000	$64,000	0	$0	$0	$0	$1,512,000	$0
		SOUTHERN CALIFORNIA EDISON COMPANY	$0	$0	0	$0	$0	$0	$0	$0
		SOUTHERN CALIFORNIA EDISON COMPANY	$0	$0	0	$0	$0	$0	$0	$0

RA ON SINGLE OR MULTIPLE PARCELS	YES	0229283830000 TRA-RNG
RECORDED DOCUMENT	NO	
RECORDED DOCUMENT	YES	0229283810000 TOT-TRF
RECORDED DOCUMENT	YES	0229283820000 TOT-TRF
RECORDED DOCUMENT	YES	0229283830000 TOT-TRF
RECORDED DOCUMENT	NO	
	YES	0229283770000 OLD-SPL
	YES	0229283760000 OLD-SPL
	YES	0229283780000 OLD-SPL
	YES	0229283730000 OLD-SPL
	YES	0229283830000 NEW-SPL
	YES	0229283820000 NEW-SPL
	YES	0229283810000 NEW-SPL
	YES	0229283800000 NEW-SPL

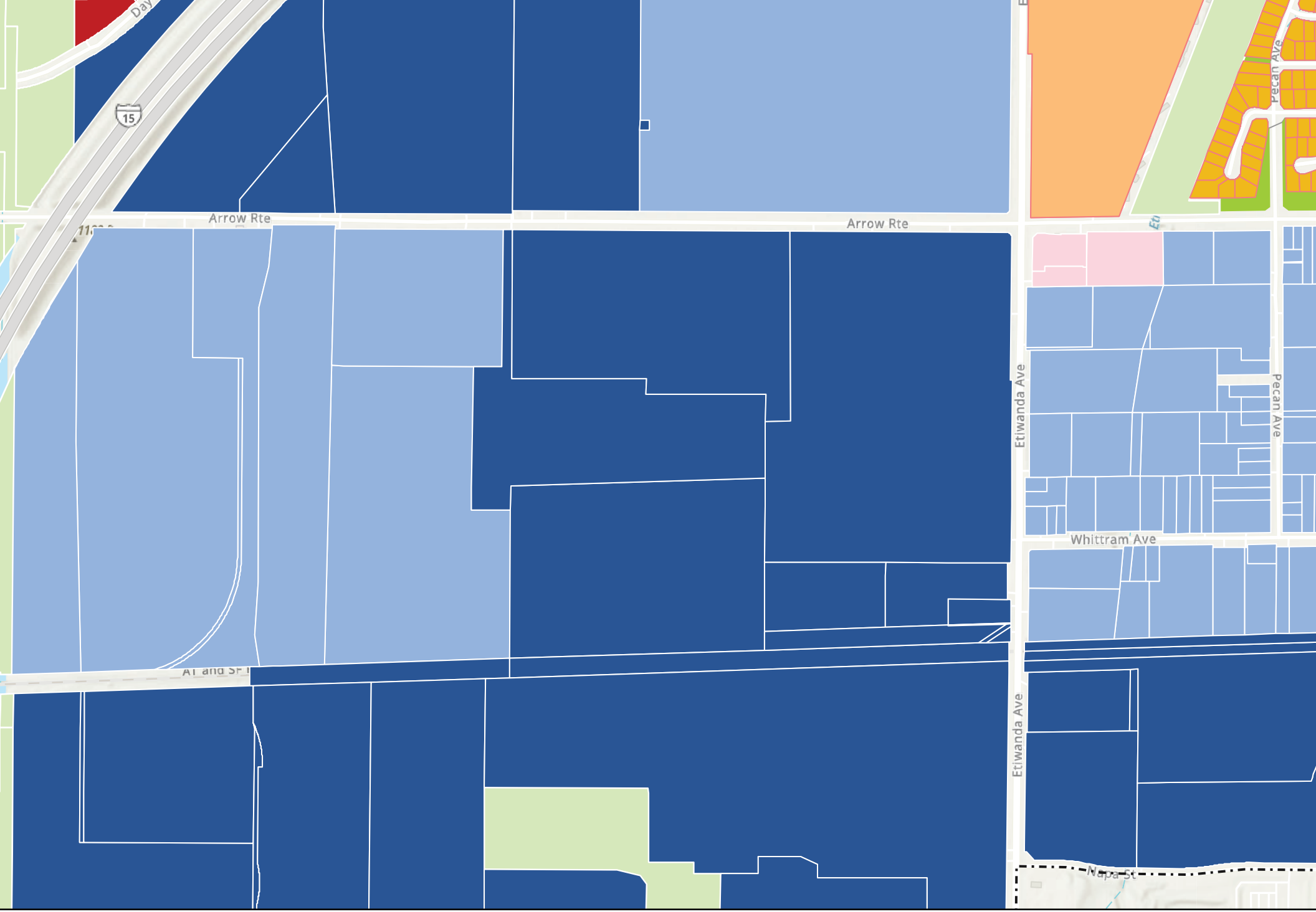
	R/I	% Int	Type	Acquisition Date	Document Date	OrigInactive Date
	SO | SOLE OWNER	100.0000	B | BILLED OWNER	11/18/2005	11/18/2005	NONE
	SO | SOLE OWNER	100.0000	B | BILLED OWNER	08/01/2003	08/01/2003	11/17/2005
	SO | SOLE OWNER	100.0000	B | BILLED OWNER	08/01/2003	08/01/2003	07/31/2003
NY	CT | CORPORATION	100.0000	B | BILLED OWNER	01/01/1973	05/17/2001	07/31/2003

ent	Revised IND	Corrected Date	Correction Code	Supplement Year	Legal Status	TRA	Billied Owner	Joint Owner	New Land	New Improvement	Old Land	Old Improvement	New Hox	Old Hox
				2003	Secured	15019	PACIFIC TERMINALS LLC		$1,448,000	$64,000	$1,440,695	$83,075	$0	$0
RSHIP FER														



1514
S. LINE SEC. 8, T1S., R6W.
N. LINE SEC. 17, T1S., R6W.
N.E. COR. SEC. 18
T1S., R6W.
MAP 804-36-7F PAR. NO. 11
ASSESSED ON PAGE 27
MAP 148-36-218
PAR. 2
MAP 148-36-218
PTN. PAR. 3
MAP 804-36-7P
PAR. NO. 34 (ESMT ONLY)
MAP 804-36-7P
PTN. PAR. NO 36
(ESMT ONLY)
MAP 804-36-7F PTN. PAR. 12
MAP 804-36-7P
PAR. NO. 37 (ESMT ONLY)
MAP 148-36-162A
PAR. NO. 1
6TH STREET
SANTA ANITA
HYSSOP DRIVE
SEC. 17
PLACE
EASEMENT
T.R.A.
P.M. 200/93-94
P.M. 87/11-13
P.M. 64/51-52
Par. 1
Par. 2
Par. 3
Par. 4
Par. 5
Ptn. Par. 2
65.71 AC.
29.36 AC.
30.21 AC.
26.64 AC.
24.84 AC.
7.66 AC.
12.74 AC.
9.04 AC.
23.34 AC.
27.45 AC.
11.55 AC.
15.77 AC.
119.56 AC.
05 MAP 148-36-70 PTN. PAR. 4
06 MAP 148-36-162D PAR. 2
07 MAP 148-36-162D PAR. 3
09 MAP 148-36-70 PTN. PAR. 4
10 MAP 804-36-7H PTN. PAR. 16
11 MAP 148-36-63 PTN. PAR. 2

Parcel: 0229283790000
Owner Name 1: RRI ENERGY ETIWANDA INC
Owner Name 2: C/O MARVIN F POER AND COMPANY
Joint Owner:
Effective Date: 5/18/2022
Parcel Status: A | ACTIVE
Parcel Type: 0 | REAL PROPERTY
Property ID:
Tax Status: 1 | ASSESSED BY COUNTY
Use Code: ELECT PLNT
Land Access: ****** CHECK
Size: 00 | 0 TO 4,999 SQ. FEET
Land Type: 04 | PUBLIC FACILITIES
District: ONTARIO
Resp Group: S | SPECIAL PROPERTY
Resp Unit: ELE | ELECTRICAL POWER USE REGARDLESS OF ZONE



Outline
NG3-L Neighborhood General 3 - Limited
CE2 Center 2 Zone

NG3-L Neighborhood General 3 - Limited
CE2 Center 2 Zone

0 0.07
0 0.15

APN 22928379
APN 22928379
Rancho Cucamonga, CA 91739

Inquiry Number: 7435504.7
September 06, 2023

EDR Environmental Lien and AUL Search

EDR® Environmental Data Resources Inc

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

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search 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 Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

APN 22928379
APN 22928379
Rancho Cucamonga, CA 91739

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

RESEARCH SOURCE

Source 1:

San Bernardino Recorder
San Bernardino, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	deed
Title is vested in:	BTC III Rancho Cucamonga Logistics Center LP
Title received from:	GenOn Calif South LP
Deed Dated	12/29/2020
Deed Recorded:	12/30/2020
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	BTC III Rancho Cucamonga Logistics Center LP
Parcel # / Property Identifier:	0229-283-79-0000
Comments:	See Exhibit

Deed Exhibit 1

Recording Requested by:
FNTG Western Region Energy Services

Electronically
Recorded in Official Records
County of San Bernardino
Bob Dutton
Assessor-Recorder-County Clerk

DOC# 2020-0532553

12/30/2020 09:51 AM
SAN
H6313

Titles: 1 Pages: 5

Fees	$26.00
Taxes	$67100.00
CA SB2 Fee	$0.00
Total	$67126.00

RECORDING REQUESTED BY
AND WHEN RECORDED RETURN TO

BTC III Rancho Cucamonga Logistics Center LP
c/o Black Creek Group
518 17th Street, 17th Floor
Denver, Colorado 80202
Attention: Asset Management

MAIL TAX STATEMENTS TO:

BTC III Rancho Cucamonga Logistics Center LP
c/o Black Creek Group
518 17th Street, 17th Floor
Denver, Colorado 80202
Attention: Asset Management

O#300327 52

APN: 0229-283-79-0-000 *(Above Space for Recorder's Use Only)*

THE UNDERSIGNED GRANTOR(s) DECLARE(s)
DOCUMENTARY TRANSFER TAX is $67,100.00
CITY TAX $ 0
X Computed on full value of property conveyed, or
☐ Computed on full value less value of liens or encumbrances remaining at time of sale,
☐ Unincorporated area
X City of Rancho Cucamonga

GRANT DEED

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, **GenOn California South, LP,** a Delaware limited partnership ("**Grantor**"), hereby GRANTS to **BTC III Rancho Cucamonga Logistics Center LP**, a Delaware limited partnership, the real property located in the County of San Bernardino, State of California, and more particularly described on Exhibit A attached hereto and incorporated herein by this reference, SUBJECT, HOWEVER, to all easements, restrictions, limitations, reservations and conditions of record.

Executed as of December 29, 2020

[Signature page to follow]

IN WITNESS WHEREOF, the undersigned have executed this Agreement as of the day and year set forth above.

GRANTOR:

GenOn California South, LP,
a Delaware limited partnership

By: _____
Name: Jonathan Sacks
Title: Vice President

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of UTAH)
County of SUMMIT)

On December 23, 2020, before me, Joseph Donovan (insert name of notary),
Notary Public, personally appeared Jonathan Sacks,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

JOSEPH DONOVAN
NOTARY PUBLIC-STATE OF UTAH
COMMISSION EXP. 12/02/2024
COMMISSION NO.715547

EXHIBIT A TO GRANT DEED

LEGAL DESCRIPTION OF THE LAND

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF RANCHO CUCAMONGA IN THE COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL 1:

PARCEL 7 OF CERTIFICATE OF COMPLIANCE NO. 405 FOR LOT LINE ADJUSTMENT RECORDED OCTOBER 08, 1997 AS INSTRUMENT NO. 19970371135 OFFICIAL RECORDS, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THAT PORTION OF THE NORTHWEST QUARTER AND THE NORTHEAST QUARTER OF SECTION 17, TOWNSHIP 1 SOUTH, RANGE 6 WEST, AND THE SOUTHWEST QUARTER AND THE SOUTHEAST QUARTER OF SECTION 8, TOWNSHIP 1 SOUTH, RANGE 6 WEST, SAN BERNARDINO BASE AND MERIDIAN, BOTH ACCORDING TO THE OFFICIAL PLAT THEREOF, LOCATED IN THE CITY OF RANCHO CUCAMONGA, STATE OF CALIFORNIA, BEING DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE NORTH HALF OF THE SOUTH HALF OF THE EAST HALF OF THE NORTHWEST QUARTER OF SAID SECTION 17; THENCE NORTH 89° 58' 11" EAST ALONG THE SOUTH LINE OF SAID NORTH HALF OF THE SOUTH HALF OF THE EAST HALF OF THE NORTHWEST QUARTER, A DISTANCE OF 1210.76 FEET; THENCE NORTH 00° 04' 40" WEST, A DISTANCE OF 1067.20 FEET; THENCE NORTH 00° 00' 23" WEST A DISTANCE OF 624.08 FEET, TO THE POINT OF BEGINNING; THENCE SOUTH 89° 27' 10" EAST A DISTANCE OF 852.43 FEET; THENCE SOUTH 12° 33' 08" EAST A DISTANCE OF 28.52 FEET; THENCE SOUTH 00° 10' 40" WEST A DISTANCE OF 357.90 FEET; THENCE SOUTH 89° 58' 02" EAST A DISTANCE OF 237.32 FEET; THENCE SOUTH 00° 32' 32" WEST A DISTANCE OF 60.49 FEET; THENCE NORTH 89° 55' 02" EAST A DISTANCE OF 331.63 FEET; THENCE NORTH 01° 01' 35" EAST A DISTANCE OF 91.00 FEET TO THE SOUTH LINE OF THE NORTH HALF OF THE NORTH HALF OF THE NORTHEAST QUARTER OF SAID SECTION 17, ALSO BEING THE SOUTH LINE OF THE METROPOLITAN WATER DISTRICT PIPELINE EASEMENT AS DESCRIBED IN INSTRUMENT RECORDED JUNE 23, 1936 IN BOOK 1137, PAGE 317 OFFICIAL RECORDS; THENCE NORTH 89° 59' 03" EAST ALONG SAID SOUTH LINE A DISTANCE OF 223.64 FEET; THENCE SOUTH 75° 54' 27" EAST A DISTANCE OF 98.04 FEET; THENCE SOUTH 00° 50' 18" EAST A DISTANCE OF 70.04 FEET; THENCE NORTH 89° 59' 00" EAST A DISTANCE OF 568.24 FEET; THENCE SOUTH 00° 00' 43" EAST A DISTANCE OF 519.69 FEET; THENCE SOUTH 89° 52' 00" EAST A DISTANCE OF 368.96 FEET; THENCE NORTH 88° 22' 00" EAST A DISTANCE OF 86.21 FEET TO THE EAST LINE OF SAID SECTION 17, ALSO BEING THE CENTERLINE OF ETIWANDA AVENUE; THENCE NORTH 00° 17' 27° EAST ALONG SAID EAST LINE, ALSO BEING ALONG SAID CENTER LINE OF ETIWANDA AVENUE A DISTANCE OF 1275.04 FEET TO THE NORTHEAST CORNER OF SAID SECTION 17, ALSO BEING THE SOUTHEAST CORNER OF SAID SECTION 8; THENCE NORTH 00° 08' 27" EAST ALONG

THE EAST LINE OF SAID SECTION 8, ALSO BEING ALONG SAID CENTERLINE OF ETIWANDA AVENUE A DISTANCE OF 388.06 FEET, TO THE SOUTHERLY LINE OF THE ATCHISON, TOPEKA AND SANTA FE RAILROAD RIGHT(S) OF WAY 200 FEET WIDE, AS SHOWN BY RECORD OF SURVEY ON FILE IN BOOK 19, PAGES 7 AND 8 THEREOF, RECORDS OF SAN BERNARDINO COUNTY; THENCE SOUTH 87° 54' 49" WEST ALONG SAID RIGHT(S) OF WAY LINE A DISTANCE OF 2779.78 FEET TO A LINE WHICH BEARS NORTH 00° 00' 23" WEST FROM THE POINT OF BEGINNING; THENCE SOUTH 00° 00' 23" EAST ALONG SAID LINE, A DISTANCE OF 567.06 FEET, TO THE POINT OF BEGINNING.

EXCEPTING ALL IMPROVEMENTS WHICH ARE LOCATED ON SAID LAND THAT CONSTITUTE "EXCLUDED ASSETS" UNDER THE ASSET SALE AGREEMENT, INCLUDING WITHOUT LIMITATION, THOSE IMPROVEMENTS LOCATED ON SAID LAND WHICH ARE SHOWN 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, AS EXCEPTED AND REFERRED TO IN THE GRANT DEED FROM SOUTHERN CALIFORNIA EDISON COMPANY, A CALIFORNIA CORPORATION, TO MOUNTAIN VISTA POWER GENERATION, L.L.C., A DELAWARE LIMITED LIABILITY COMPANY RECORDED APRIL 7, 1998 AS INSTRUMENT NO. 19980126817 OFFICIAL RECORDS

ALSO EXCEPTING THEREFROM AN UNDIVIDED 1/2 INTEREST IN AND TO ALL OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN AND UNDER THAT PORTION OF SAID LAND WHICH LIES WITHIN SAID SECTION 17, WITHOUT, HOWEVER, THE RIGHT TO USE THE SURFACE THEREOF, AS EXCEPTED AND RESERVED IN THOSE CERTAIN DEEDS TO EDISON SECURITIES COMPANY, RECORDED DECEMBER 7, 1950 IN BOOK 2684, PAGE 55 OFFICIAL RECORDS AND BOOK 2684, PAGE 60 OFFICIAL RECORDS OF SAN BERNARDINO COUNTY, CALIFORNIA.

ALSO EXCEPTING THE REMAINING UNDIVIDED 1/2 INTEREST IN AND TO ALL OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN AND UNDER THAT PORTION OF SAID LAND LYING WITHIN SAID SECTION 17, WITHOUT THE RIGHT TO USE THE SURFACE THEREOF, AS RESERVED BY EDISON SECURITIES COMPANY IN THAT CERTAIN DEED TO SOUTHERN CALIFORNIA EDISON COMPANY, RECORDED JUNE 6, 1951 IN BOOK 2775, PAGE 505 OFFICIAL RECORDS OF SAN BERNARDINO COUNTY, CALIFORNIA;

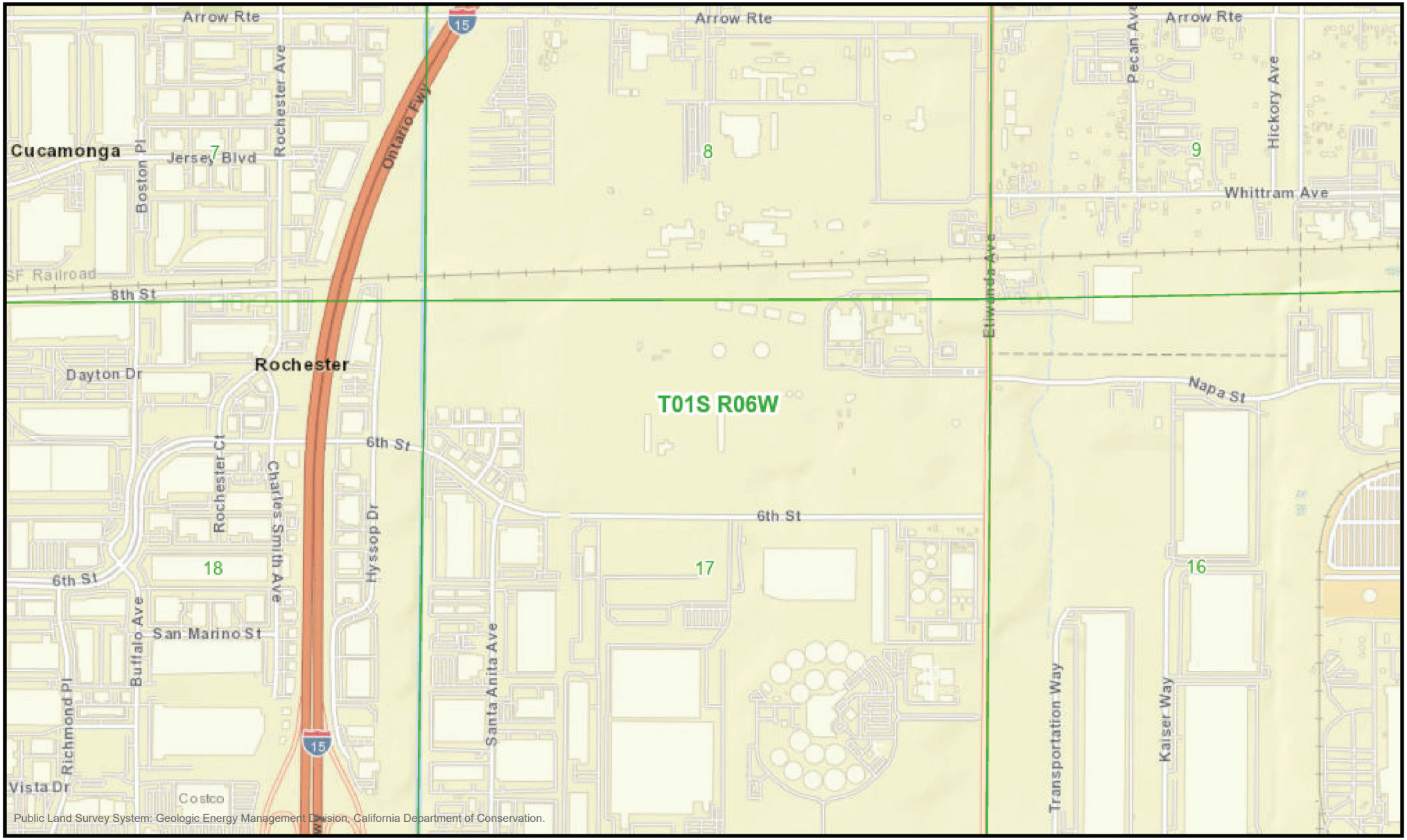
ALSO EXCEPTING ALL OIL, GAS, PETROLEUM AND OTHER MINERAL OR HYDROCARBON SUBSTANCES IN AND UNDER THAT PORTION OF SAID LAND LYING WITHIN SAID SECTION 8, WITHOUT THE RIGHT TO USE THE SURFACE THEREOF, AS RESERVED BY EDISON SECURITIES COMPANY IN SAID ABOVE MENTIONED DEED TO SOUTHERN CALIFORNIA EDISON COMPANY.

APN: 0229-283-79-0-000

PARCEL 2: (EASEMENT PARCEL)

NON-EXCLUSIVE EASEMENTS FOR VEHICULAR ACCESS AND PEDESTRIAN ACCESS, FIRE WATER SYSTEM, SERVICE WATER, WASTE WATER DISCHARGE SYSTEM, ELECTRIC SERVICES, TELECOMMUNICATION SYSTEM, MONITORING WELL(S), DRAINAGE, SUPPORT, ENCROACHMENTS, TO PERFORM OBLIGATIONS AND ENJOY RIGHTS, FOR FENCE INSTALLATION AND MAINTENANCE, RAILROAD SPUR, AND FOR USE OF OTHER PLANT IMPROVEMENTS, CREATED BY THAT CERTAIN EASEMENT AND COVENANT AGREEMENT DATED APRIL 6, 1998, AND RECORDED APRIL 7, 1998 AS INSTRUMENT NO. 98-126818 OFFICIAL RECORDS, BETWEEN SOUTHERN CALIFORNIA EDISON COMPANY AND MOUNTAIN VISTA POWER GENERATION, L.L.C., A DELAWARE LIMITED LIABILITY COMPANY, OVER THE FOLLOWING DESCRIBED LANDS:

PARCEL 6 OF CERTIFICATE OF COMPLIANCE NO. 405 FOR LOT LINE ADJUSTMENT RECORDED OCTOBER 08, 1997 AS INSTRUMENT NO. 19970371135 OFFICIAL RECORDS.



0 0.4 0.8 mi

0 0.55 1.1 km

Powered by
WellSTAR
9/12/2023

Well Status & Type

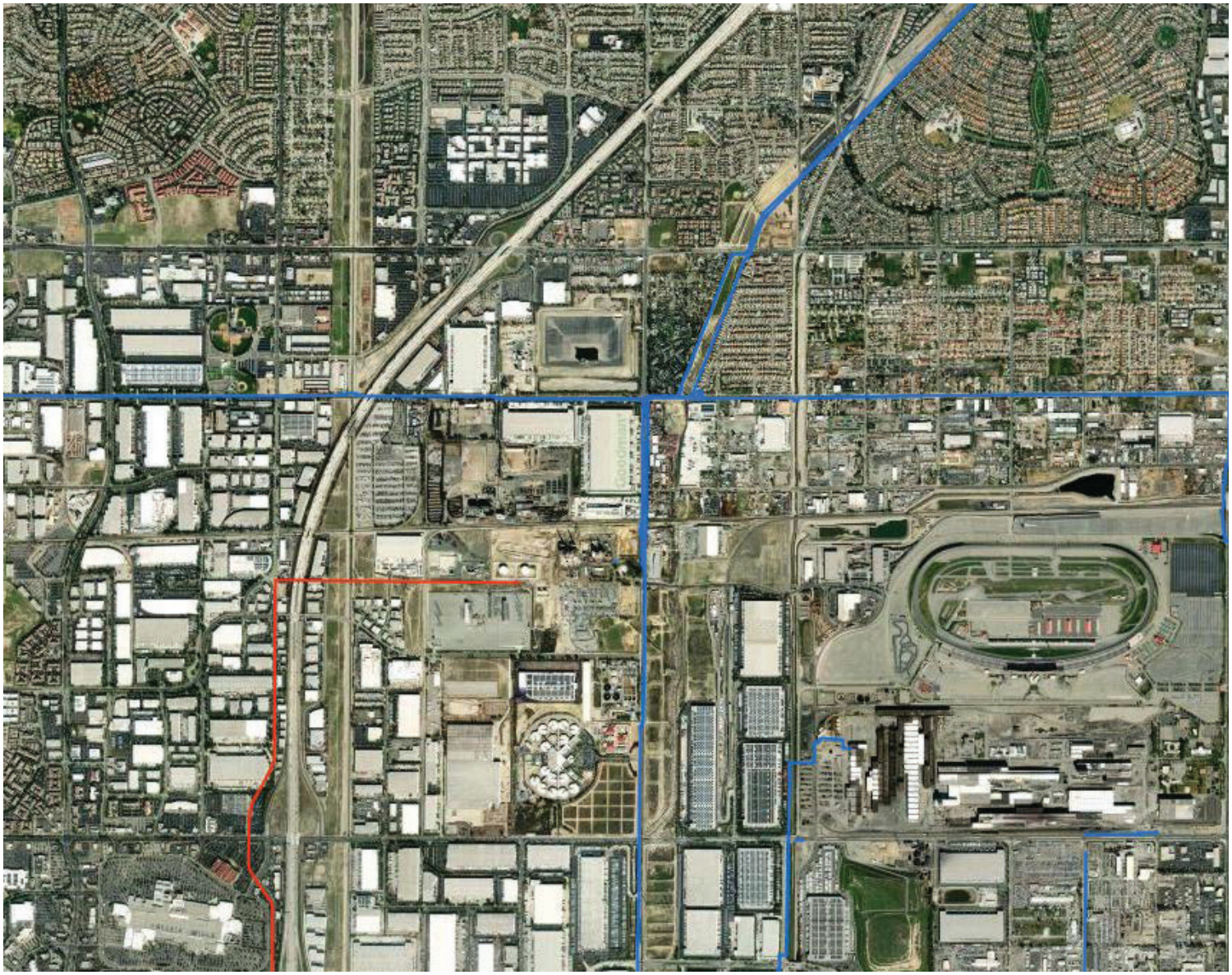
Active	Oil & Gas	Observation
Idle	Gas	Multi-purpose
New	Dry Hole	Water Source
Plugged	Injection	Unknown
Canceled	Cyclic Steam	Core Hole
Unknown	Gas Storage	

Geologic Energy Management Division
715 P Street, MS 1803
Sacramento, CA 95814
Phone: (916) 445-9686
Email: calgem_webmaster@conservation.ca.gov
www.conservation.ca.gov/calgem

California Natural Resources Agency
Department of Conservation

Pipeline and Hazardous Materials Safety Administration

NATIONAL PIPELINE MAPPING SYSTEM



Legend

- Accidents (Liquid)
- Incidents (Gas)
- Gas Transmission Pipelines
- Hazardous Liquid Pipelines
- LNG Plants
- Breakout Tanks

500 m
1000 ft

Pipelines depicted on this map represent gas transmission and hazardous liquid lines only. Gas gathering and gas distribution systems are not represented.

This map should never be used as a substitute for contacting a one-call center prior to excavation activities. Please call 811 before any digging occurs.

Questions regarding this map or its contents can be directed to npms@dot.gov.

Projection: Geographic

Datum: NAD83

Map produced by the Public Viewer application at www.npms.phmsa.dot.gov

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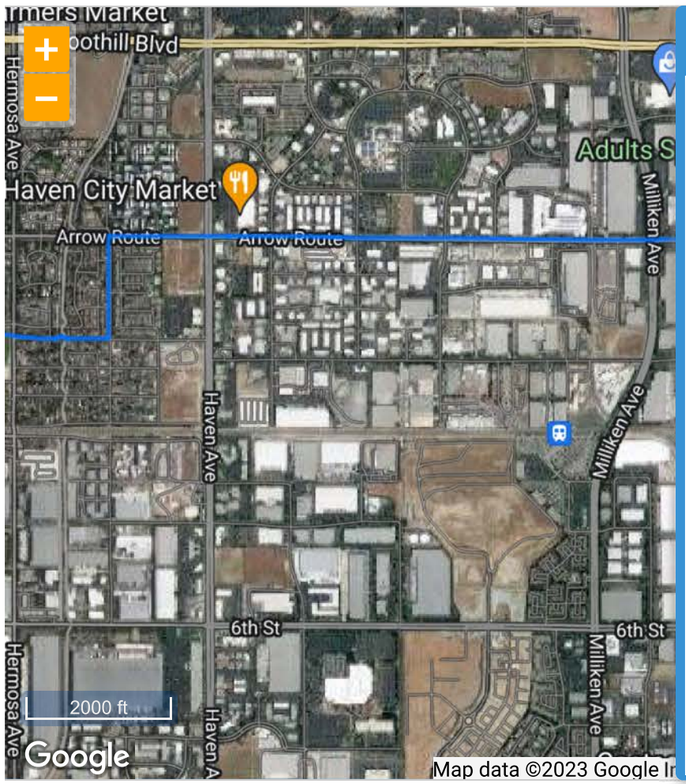
Date Printed: Sep 12, 2023

811 Know what's below. Call before you dig.

Public Viewer

Change County | Close Public Viewer

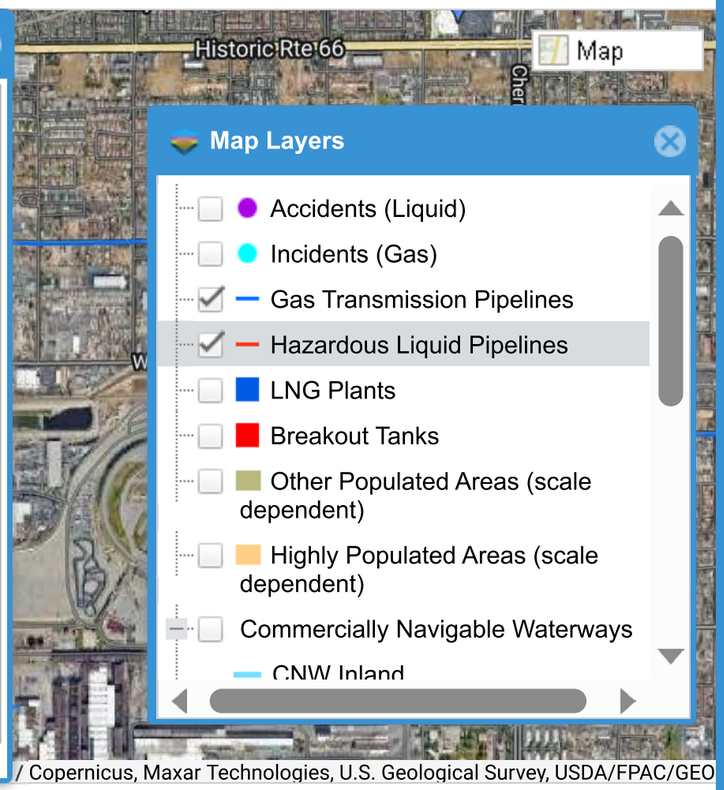
Map Layers | Query Tools | Enter search term (min 4 chars) | Help



Identify - Total 1 record(s) found

99999

Attribute	Value
OPERATOR ID	99999
OPERATOR NAME	ABANDONED
SYSTEM NAME	WEST COAST TERMINALS
SUBSYSTEM NAME	L523
PIPELINE ID	1821
MILES	5.62
COMMODITY CATEGORY	Empty Liquid
COMMODITY DESCRIPTION	
INTERSTATE DESIGNATION	N
PIPELINE STATUS CODE	Permanently Abandoned
REVISION DATE	06/14/2022



Ready | Zoom Level: 14 of 19 (1:24,000) Closest Zoom for Pipelines | (lat,long): 34.100417, -117.509596 | Map Showing Pipelines in: San Bernardino, C

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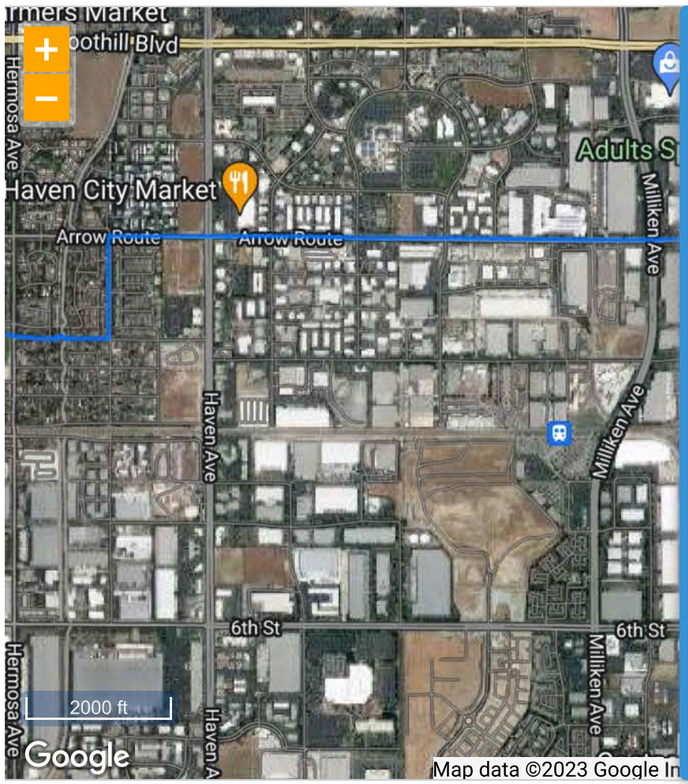
Public Viewer

Change County | Close Public Viewer

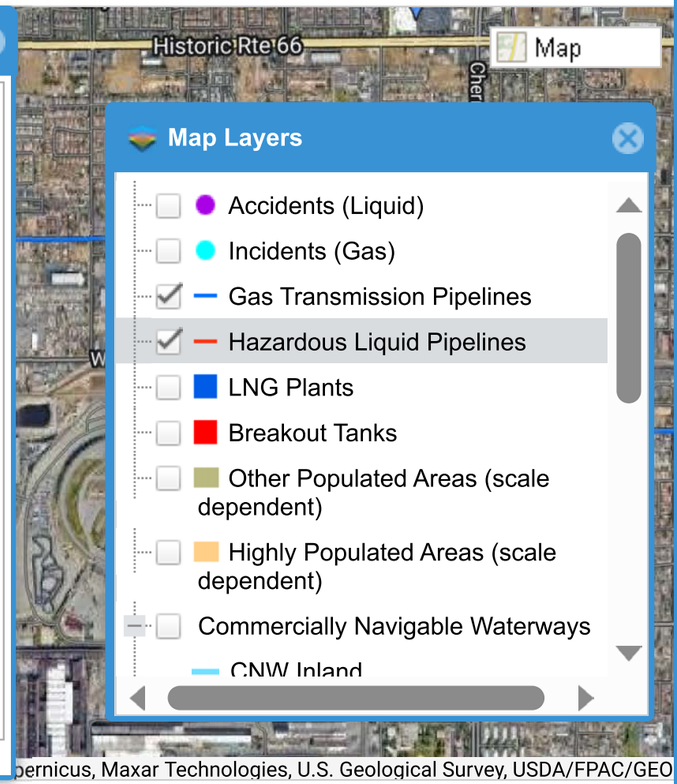
Map Layers | Query Tools | Enter search term (min 4 chars) | Help



Identify - Total 2 record(s) found

18484

Attribute	Value
Category: PIPELINE ATTRIBUTES	
OPERATOR ID	18484
OPERATOR NAME	SOUTHERN CALIFORNIA GAS CO
SYSTEM NAME	TRANSMISSION
SUBSYSTEM NAME	
PIPELINE ID	112169
MILES	12.10
COMMODITY CATEGORY	Natural Gas
COMMODITY DESCRIPTION	NATURAL GAS
INTERSTATE DESIGNATION	N



Ready | Zoom Level: 14 of 19 (1:24,000) Closest Zoom for Pipelines | (lat,long): 34.092977, -117.523901 | Map Showing Pipelines in: San Bernardino, C

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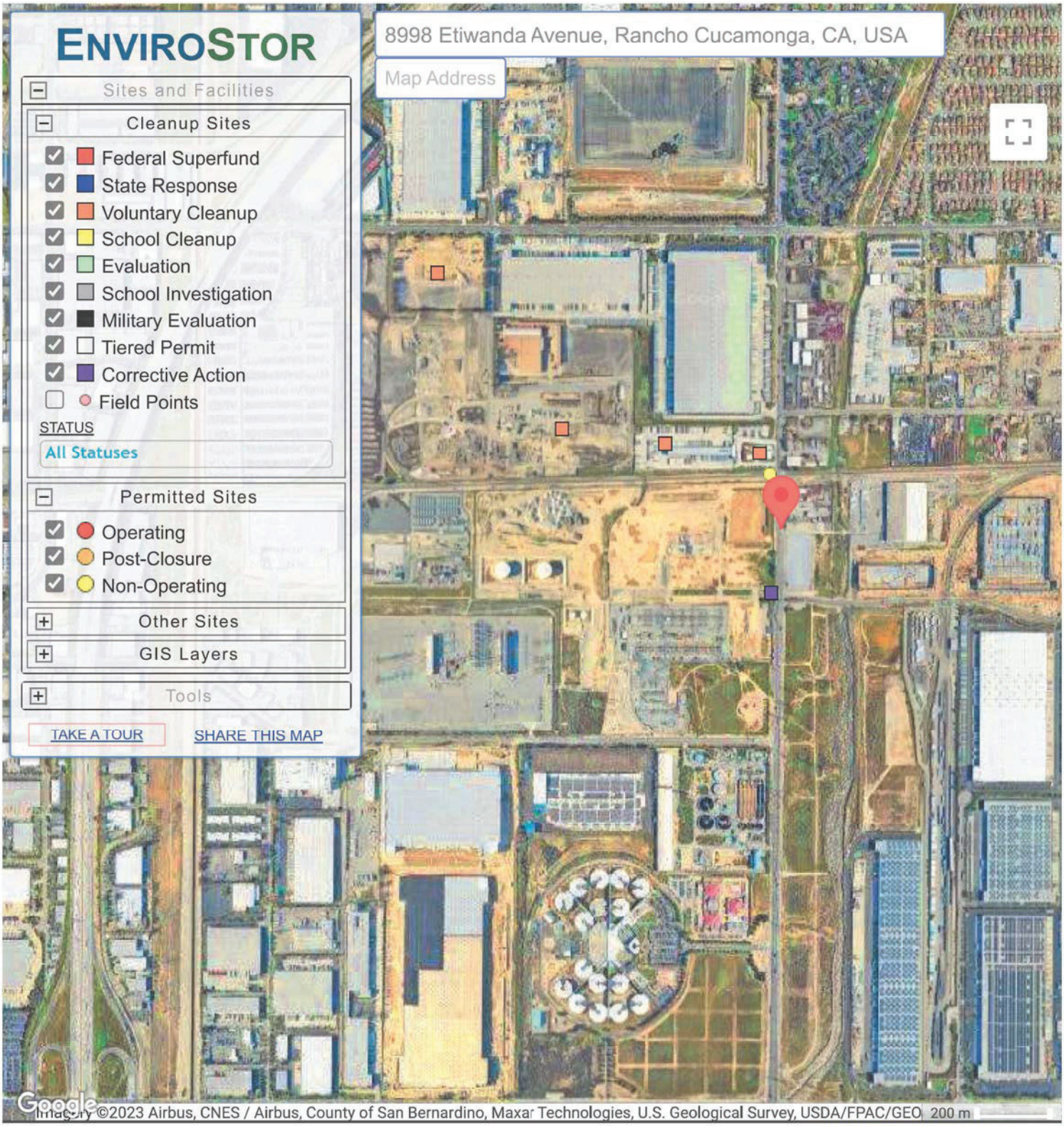

SITES CURRENTLY VISIBLE ON MAP — 11 SITES LISTED — EXPORT THIS LIST TO EXCEL

PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS	CITY
ADVANCED ENVIRONMENTAL INC	ACTIVE	CORRECTIVE ACTION	13579 WHITTRAM AVE	FONTANA
ADVANCED ENVIRONMENTAL INC DBA WORLD OIL ENVIRONMENTAL SERVICES	OPERATING PERMIT	OPERATING	13579 WHITTRAM AVE	FONTANA
AMERON/STEEL & WIRE PROPERTY	NO FURTHER ACTION	VOLUNTARY CLEANUP	12459 ARROW ROUTE	ETIWANDA
BERNELL HYDRAULICS	ACTIVE	VOLUNTARY CLEANUP	8810 ETIWANDA AVENUE	RANCHO CUCAMONGA
BTC III ARROW ROUTE	ACTIVE	VOLUNTARY CLEANUP	12451 ARROW ROUTE	RANCHO CUCAMONGA
CALIFORNIA STEEL INDUSTRIES, INC.	REFER: OTHER AGENCY	TIERED PERMIT	14000 SAN BERNARDINO AVENUE	FONTANA
	CERTIFIED O&M - LAND USE			RANCHO

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

ENVIROSTOR

DTSC is committed to providing transparency in the permitting process. DTSC is providing the estimated dates for key milestones in the permit decision process. Planned dates are subject to change. If you have any questions about the information on this page, please contact the project manager identified below.

EPTC ETIWANDA (CAD079548574)

SIGN UP FOR EMAIL ALERTS

8998 ETIWANDA AVE
ETIWANDA, CA 91739
SAN BERNARDINO COUNTY

FACILITY TYPE: CLOSED
PROGRAM TYPE: HAZARDOUS WASTE FACILITY

CENSUS TRACT: 6071002207
CALENVIROSCREEN PERCENTILE SCORE: 65-70%

Permitting | Activities | Site/Facility Docs | Map | Related Sites | CalEnviroScreen | Corrective Action

Site Information

ASSEMBLY DISTRICT
50

SENATE DISTRICT
29

Facility History

Facility Description / History:
Southern California Edison facilities are located in Los Angeles County. In the 1980s, the facilities generated and then stored hazardous waste in two surface impoundments.

Permitting Regulatory Description / History:
Southern California Edison facilities applied for a RCRA Permit. However, DTSC did not issue the facilities a permit and were exempted from Hazardous Waste RCRA Permit fee requirements. The facilities were then granted an Interim Status documented on March 30, 1981. Then granted a Variance Status on January 29, 1987, valid for 180 days, allowing the facility to perform on-site treatment for their liquid hazardous waste.

On February 1, 1995, a Final Judgement Pursuant to Stipulation, court order No. BC121219, was issued to close the Southern California Edison facilities: Alamitos, Cool Water, El Segundo, Etiwanda, Huntington Beach, Highgrove, Long Beach, Mandalay, Ormond Beach, Redondo Beach, and San Bernardino. The facilities had violated Hazardous Waste Laws and received cost penalties.

In response to the court order, the Southern California Edison (SCE) performed the investigation and activities to close two wastewater retention basins that had operated without a permit or other form of authorization from the DTSC. The facilities were passed onto Corrective Action for closure. On December 21, 2011, EPTC-Etiwanda received a closure certification for their closed units.

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DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

SOUTHERN CALIFORNIA EDISON - ETIWANDA GENERATING STATION (60001192)

SIGN UP FOR EMAIL ALERTS

8998 ETIWANDA AVENUE
SAN BERNARDINO, CA 91739
SAN BERNARDINO COUNTY
SITE TYPE: CORRECTIVE ACTION

PROJECT MANAGER: ANTONIO SANDOVAL
SUPERVISOR: ANDRES CANO
OFFICE: CLEANUP CHATSWORTH
CENSUS TRACT: 6071002207
CALENVIROSCREEN PERCENTILE SCORE: 65-70%

Summary | Activities | Community Involvement | Site/Facility Docs | Sub-Areas | Map | Related Sites | CalEnviroScreen | Permitting

Site Information

CLEANUP STATUS
ACTIVE AS OF 2/2/1995

SITE TYPE: CORRECTIVE ACTION
NATIONAL PRIORITIES LIST: NO
ACRES: 37 ACRES
APN: 022928379, 022928383
CLEANUP OVERSIGHT AGENCIES:
DTSC - HAZARDOUS WASTE MANAGEMENT PROGRAM - LEAD AGENCY

ENVIROSTOR ID: 60001192
SITE CODE: 400437, 401962, 401967
SPECIAL PROGRAM:
FUNDING: RESPONSIBLE PARTY
ASSEMBLY DISTRICT: 50
SENATE DISTRICT: 29

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
ABOVE GROUND STORAGE TANKS, TRANSFORMER REPAIR

POTENTIAL CONTAMINANTS OF CONCERN
POLYCHLORINATED BIPHENYLS (PCBS)
VANADIUM AND COMPOUNDS

POTENTIAL MEDIA AFFECTED
SOIL

Site History

In 1996, SCE implemented a water quality monitoring program in response to a final judgment pursuant to a Stipulation, from the Superior Court of California, LA County, Number 121219 on 02/01/1995. The Stipulation alleged that Edison had stored hazardous wastes in non-permitted wastewater retention basins at their electrical generating stations in southern CA. Edison agreed to clean close the basins according to Chapter 15 of Title 22, CCR. The remainder of the property will be evaluated under corrective action.

As of 7-12-2018: The retention basins have been closed as of 2011. RCRA Facility Investigatior is taking place at the moment, Inlland Empire Utilities Agency (IEUA) has been determined to be the property owner a portion of the facility and is proactive in expediting the corrective action for their portion of the facility. A RCRA Facility Investigation is underway. Comments have been provided to both SCE and IEUA regarding the investigation.

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2.175781 seconds

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

August 29, 1986

Mr. James R. Bennett
Executive Officer
California Regional Water Quality Control Board,
Santa Ana Region
60809 Indiana Avenue, Suite 200
Riverside, California 92605

Attention: Mr. Bruce Payne

Dear Mr. Bennett:

Subject: Etiwanda Generating Station—
Site Characterization Study

The Southern California Edison Company (SCE) is pleased to transmit the enclosed report of findings from the Etiwanda Generating Station site characterization study. This study was initiated to address concerns related to the discovery of what was apparently oil contaminated soil in a surface drainage system on Etiwanda Generating Station property. The report details the chemical nature and extent of the soil contamination on Etiwanda Generating Station property and discusses possible contamination sources.

SCE would appreciate an opportunity to meet with you at your convenience to discuss the report data and recommendations for any further action at the site. Please contact Mr. Bob Goodson at (818) 302-1831 with any questions you may have regarding the report or to arrange the requested meeting.

Sincerely,

Edward J. Forth

RMG:cb

Enclosure

cc: Steve Van Stockum - San Bernardino County Environmental Health
Bill Nelson - Tamco

ETIWANDA GENERATING STATION

SITE CHARACTERIZATION STUDY

PREPARED BY

ENVIRONMENTAL OPERATIONS
SOUTHERN CALIFORNIA EDISON COMPANY

JULY 1986

EXECUTIVE SUMMARY

This report describes a site characterization study of Southern California Edison's Etiwanda Generating Station (EGS). The source, extent, and constituent character of the EGS drainage channel and settling basin contamination are evaluated. This study was undertaken as a result of an oil/water spill that occurred at the TAMCO industrial facility located north of the EGS property. Natural drainage conveyed the spill material through the drainage channel onto EGS property.

Sixteen backhoe trenches were dug and fifty-seven soil borings were made. Soil and spill material samples were also taken at the north end of the EGS property immediately after the TAMCO spill. Soil samples were selectively chosen for analysis according to appearance and lateral and vertical location. These samples were analyzed for total petroleum hydrocarbons. Selected samples were chosen for Title 22, California Administrative Code metals and/or priority pollutant analysis based on appearance, location and results of the petroleum hydrocarbon analysis. Local well water, EGS fuel oil, and TAMCO wastewater stream samples were also taken and selectively analyzed for the above constituents.

The EGS drainage channel and spreading basin soils have been contaminated by surface drainage flow. The soils are predominantly contaminated with petroleum hydrocarbons. Higher than background metal concentrations were detected in the

drainage channel and spreading basin. However, no metals exceeded the Total Threshold Limit Concentrations set by the State of California for hazardous wastes. No metals other than lead exceeded the State's Soluble Threshold Limit Concentrations for hazardous wastes. Lead was found at concentrations slightly higher than the State limit.

Contamination generally exists within five feet of the surface. Well logs indicate the presence of a uniform silt-clay layer at approximately five feet. Field observations and analytical results indicate that contamination does not significantly penetrate this layer at most locations. Pockets of deeper contamination (10 to 14 feet) were found within the spreading basin during exploratory backhoe excavations.

Water samples from EGS wells and a TAMCO well show good water quality. Depth to ground water is in excess of 300 feet.

Comparison of the chemical signature of the petroleum contaminants found in the soils and the current EGS fuel oil supply suggests that the petroleum contaminant source is not from onsite petroleum releases. A similarity was found between oily soil from TAMCO's creek outlet and oily soil in the EGS spreading basin.

CONCLUSIONS

An analysis of site investigation data indicates that there is no significant human exposure to contaminants found on EGS property. This finding is based on the following conclusions supported in this document:

- The Etiwanda Generating Station (EGS) drainage channel and spreading basin soils have been contaminated by surface drainage flow.

- The contamination is characterized as predominantly petroleum hydrocarbons. Trace concentrations of other organic compounds were detected; however, these organics are typically associated with either the presence of the petroleum hydrocarbons or the laboratory analytical procedure.

- Higher than background metal concentrations were detected in the drainage channel and spreading basin. No metals exceeded the Total Threshold Limit Concentrations (TTLCs) set by the State of California. No metals other than lead exceeded the State Soluble Threshold Limit Concentrations (STLC). Lead was found at concentrations slightly higher than the STLC.

- Soil borings taken throughout the contaminated area indicate that the contamination generally exists within two to five feet of the surface. Pockets of deeper contamination (10-14 feet) were found within the spreading basin during exploratory backhoe excavations. Lateral extent of contamination is generally restricted to the contour of the channel and drainage course through the spreading basin.

- Existing well logs indicate the presence of several silt and clay layers between the surface and ground water. Soil classification logs indicate a uniform silty-clay layer at a depth of approximately five feet. Field observations and analytical results indicate that contamination does not significantly penetrate this layer.

- Water samples taken from ground water wells near the site indicate that no contaminants have migrated to the ground water. Depth to ground water at the site is in excess of 300 feet.

- Comparison of the chemical signature (fingerprint) of the petroleum contaminants found in the soils and the current fuel oil supply maintained on the EGS site suggests that the petroleum contaminant source is probably not from onsite petroleum releases. A similarity exists between the oil found in TAMCO's creek outlet soil and oily soil found in the EGS spreading basin.

INTRODUCTION

Southern California Edison Company's (SCE) Etiwanda Generating Station (EGS) is located at 8996 Etiwanda Avenue, Etiwanda, San Bernardino County, California as indicated on Figure 1. This facility is a fossil fuel electrical generating station providing electricity for customers within the SCE distribution territory.

EGS began operations in 1953 with the construction of Units 1 and 2. Units 3 and 4 went into operation in 1963 and Unit 5 in 1969. Construction of the facility incorporated an existing surface drainage channel that crosses the property following the natural gradient in a north to south direction. This channel provides storm water run-off drainage for the adjacent EGS area as well as an industrial area located immediately north of the EGS property line.

On March 13, 1985, an oil/water spill of approximately 10,000 gallons occurred at the TAMCO facility located in the industrial area north of the EGS property line. Natural drainage conveyed the spill through the above mentioned surface drainage channel onto EGS property. This incident was reported to the California Regional Water Quality Control Board, Santa Ana Region (Regional Board) by TAMCO.

Cleanup of the spill on TAMCO and SCE property was commenced by TAMCO soon after the spill. The cleanup conducted on SCE property revealed that visually contaminated soil extended deeper into the soil strata than what would be expected from the March 13, 1985 spill alone.

In consultation with the Regional Board staff, SCE agreed to conduct a site characterization study to assess the source, extent, and constituent character of the EGS drainage channel contamination. This report describes the field investigations and discusses the findings of these investigations.

SITE DESCRIPTION

For this investigation, the EGS drainage system has been separated into two segments because of difference in the physical dynamics of each segment. These two segments are referenced in this report as the channel and the spreading basin. A brief description of each segment follows.

CHANNEL

The drainage channel is approximately 2,250 feet in length (Figure 2). It is a natural topographic feature that existed prior to any development at EGS. Only minor changes have been made to the channel to accommodate facility construction.

The channel is aligned in a north to south direction originating outside of EGS's northern boundary and exiting EGS's southern boundary. The channel functions to provide drainage for surface rainfall run-off associated with storm occurrences.

Sustained storm water input into the channel flows south into the spreading basin located at the EGS southern property line. Channel flow velocities vary within the channel depending on channel contours. These channel contours have apparently influenced the depositional features of the drainage system.

Soil borings made during this investigation indicated that the channel soils are typical stream bed deposits generally composed of medium to fine grain sands.

SPREADING BASIN

SCE constructed a drainage spreading basin in the channel at the southern property boundary to allow for percolation of normal rainfall run-off. With this modification, the discharge of run-off from EGS property occurs only during substantial or sustained rainfall periods.

The spreading basin gradually transforms from a defined channel, at the northern end, to a meandering stream towards the southern

end. The flow pattern in the mid to southern end of the basin appears to have changed over time.

Water tends to pond in the southern extreme of the basin spreading in an east, west, and northern direction. When the spreading basin holding capacity is exceeded, it overflows into a subterranean storm drain.

A lens of silt of varying thickness of one foot to several feet is a significant geologic feature within the spreading basin. This silt appears generally five to six feet below the surface.

FIELD INVESTIGATION

SCE developed a sample plan to define the vertical and lateral extent as well as the chemical nature of the site contamination. This sample plan is presented in Appendix A. The plan included a detailed description of the hydrogeology of both the general area and the EGS site. The sample plan consisted of the following components of immediate interest for this report:

- Soil boring and sampling of the drainage channel and spreading basin.

- Backhoe excavation and sampling within the spreading basin.

- Soil and liquid effluent sampling on EGS property of the March 13, 1985 TAMCO spill.

- Local ground water quality sampling.

- EGS fuel oil sampling.

- TAMCO wastewater stream sampling.

Sampling for each sample component was carried out according to the following methods.

CHANNEL SAMPLES

Sampling was conducted according to methods outlined in Appendix A. Eight sample locations (A through H) were established within the channel between the northern property boundary and the basin at approximately 300-foot intervals as indicated in Figure 2. A boring was made as close as possible to the center of the existing line of stream flow at each channel sample location. Additional lateral borings were made on each side of the center line sample point at about ten-foot intervals. These lateral borings were continued until visual examination of the soil cores showed no contamination. This

indicated the approximate lateral boundary of the contamination zone.

Sample Series B and F precluded following the original sample plan because of accessibility problems. One soil core was obtained at Point B and none at Point F.

A total of 20 borings were made within the channel. All soil borings were sampled continuously to a target minimum depth of approximately four to five feet. If visible contamination was observed at the minimum depth, sampling depth was extended until a clean soil interface was observed. Some soil borings made at the apparent lateral boundary of the soil contamination were to a depth of approximately two feet. Soil core samples were composited at one-foot intervals and individually placed in clean glass sample bottles. In some cases, samples were composited at less or more than one-foot intervals depending on observed field conditions. All samples were transported to Analytical Technologies of National City, California, a State certified laboratory for analysis or storage.

All soil cores were logged and classified according to observed physical properties. Boring logs are presented in Appendix B.

Soil samples were chosen for analysis according to appearance and lateral and vertical location. All of these samples were

analyzed for total petroleum hydrocarbons. Of these samples, some were chosen for further analysis according to Title 22, California Administrative Code metals and/or priority pollutant analysis based on appearance, location, and results of the total petroleum hydrocarbon analyses.

SPREADING BASIN SAMPLES

A. Backhoe Excavation Samples

A series of holes were dug within the spreading basin by a backhoe in an effort to obtain a quick indication of the lateral extent of soil contamination. A total of sixteen holes were dug within the upper half of the basin. The location of these holes (1 through 16) are indicated in Figure 3. Three samples were collected at specific depths from a representative selection of holes. All samples were analyzed for total petroleum hydrocarbons. In addition, the petroleum hydrocarbon component of the samples were analyzed in detail to determine the specific chemical signature or "fingerprint" of the oil.

B. Soil Borings

A total of 34 borings (CB-1 through CB-34) were made in the basin area as indicated in Figure 4. All soil borings were sampled continuously to a target minimum depth of approximately eight to ten feet. If visible contamination was observed at the

minimum depth, sampling depth was extended until a clean soil interface was observed. Soil core samples were composited at one-foot intervals and individually placed in glass sample bottles. In some cases, samples were composited at less or more than one-foot intervals depending on observed field conditions. All samples were transported to Analytical Technologies for analysis or storage.

All soil cores were logged and classified according to observed physical properties. The boring logs are presented in Appendix B.

Soil samples were chosen for analysis according to appearance and lateral and vertical location. All of these samples were analyzed for total petroleum hydrocarbons. Of these samples, some were chosen for further analysis according to Title 22, California Administrative Code for metals and/or priority pollutant analysis based on appearance, location, and results of the total petroleum hydrocarbon analysis.

SPILL SAMPLES

Soil samples from the March 13, 1985 TAMCO spill were collected at six locations within the drainage channel. The location of these sample points (1 through 6) are indicated in Figure 2. Surface soil samples were analyzed for total petroleum

hydrocarbons, Title 22, California Administrative Code metals, and base-neutral and acid extractable organics.

One grab sample was collected from the liquid component of the TAMCO spill on March 13, 1985. A second grab sample was collected from a subsequent liquid discharge from TAMCO on SCE property on March 25, 1985. These liquid samples were analyzed for total petroleum hydrocarbons and Title 22, California Administrative Code metals.

GROUND WATER SAMPLES

Grab samples were collected from two onsite ground water wells and one upgradient well located on TAMCO property. The locations of all three wells are indicated in Figure 5. All well samples were analyzed for selected minerals and metals.

EGS FUEL OIL

A sample of EGS fuel oil was taken and analyzed to determine its specific chemical signature or "fingerprint."

Two soil borings were made at the closest point between EGS fuel oil storage tanks and the drainage channel. The location of these sample points (OT-1 and OT-2) are indicated in Figure 4. The soil core sample depths for OT-1 and OT-2 were approximately

10 feet and 15 feet, respectively. These soil core samples were analyzed for total petroleum hydrocarbons.

TAMCO SAMPLES

Liquid grab samples were collected from TAMCO's oil/water separator basin, cooling tower basin, and the TAMCO drainage ditch. In addition, one surface soil sample was collected at a point near the discharge of the drainage ditch from TAMCO property. The location of these sample points are indicated in Figure 2.

ANALYTICAL RESULTS

This section presents the analytical results for all soils and water samples collected during this investigation. The results are reported in terms of total petroleum hydrocarbon analyses and metal analyses for each type of sample.

SOIL SAMPLES

Total Petroleum Hydrocarbon Analyses

The laboratory results for all total petroleum hydrocarbon analyses are presented in Appendix C.

A. Spill Samples

The total petroleum hydrocarbon analyses for six samples of material that had deposited on the stream bed surface when the March 13, 1985 spill at TAMCO occurred are presented in Table 1. These six locations are shown in Figure 2. These results indicate significant concentrations on the surface as a result of the spill. Concentration ranges from a high of 14,600 ppm to a low of 227. The highest concentrations are in the upper half of the channel; however, oily material was visible in the spreading basin area as well.

TABLE 1

March 13, 1985 Spill Samples

CONCENTRATIONS OF TOTAL PETROLEUM HYDROCARBONS IN SURFACE SOILS

Sample Location	Total Petroleum Hydrocarbons (mg/kg)
#1	992
#2	1,610
#3	2,000
#4	227
#5	14,600
#6	2,290

B. Channel Samples

The total petroleum hydrocarbon analyses for samples taken after the original six spill samples are presented according to transect letter as shown in Figure 2. An indication of the distribution and concentration of hydrocarbons can be obtained by referring to the narrative on each transect and to the appropriate map and cross sectional diagram in Appendix D.

Transect A - This transect is located in the northernmost portion of the channel at the property line. Contamination at this point indicates that contaminants have originated from upgradient sources. Three borings were made at this location, A-1 through A-3. The borings indicate typical stream bed soil deposits, but with distinctly colored soils in the top 20 inches of borings A-1 and A-3. The color of these soils indicated possible hydrocarbon contamination.

The hydrocarbon concentrations were highest toward the eastern edge of the channel within the upper 24 inches of soil, with no substantial concentrations at the western edge of the channel. The hydrocarbon results are as follows: A-1 - 51.6 ppm at 0-6 inches and less than 1 ppm at 12-24 inches; A-2 - less than 1 ppm at 0-12 inches; A-3 - 2,600 ppm at 0-12 inches and 30.8 ppm at 12-24 inches. While contamination was noted at A-3,

further borings in the easterly direction were not possible due to the proximity of the stream bank.

The contamination is limited to the upper 12 to 24 inches of soil.

Transect B - Only one boring was possible at this transect because the channel contour made it impractical to maneuver the drilling equipment. No samples were analyzed at this location because the soil showed no visible signs of contamination. This was probably due to the fact that the boring position was on the channel bank outside the influence of deposition.

Transect C - This transect is located approximately 600 feet downstream of Transect A. Three borings were placed at this transect, C-1 through C-3. The soils are similar to Transect A in that they are typical stream bed deposits.

The hydrocarbon concentrations at Transect C are much lower than Transect A and are confined to the approximate center of the channel in the upper 12-24 inches of soil. The hydrocarbon results are as follows: C-1 - 69.0 ppm at 0-20 inches; C-2 - 8.6 ppm at 0-12 inches and 9.5 ppm at 12-24 inches; C-3 - 7.7 pp, at 0-12 inches and 7.2 ppm at 12-24 inches.

The lower hydrocarbon concentrations are apparently due to the variations in water velocity in the channel. The channel is somewhat narrower at Transect C which causes an increase in water velocity and consequently appears to have prevented oil from adsorbing onto soil particles. Similar situations are noted throughout the channel.

Transect D - This transect is an area where the channel widens considerably when compared to the transects at upstream locations. Five soil borings were located at this site, D-1 through D-5. Soil types are typical of stream bed deposits.

Hydrocarbon concentrations are generally higher in the western side of the channel and within the upper 24 inches. The hydrocarbon results are as follows: D-1 - 9.3 ppm at 0-12 inches and less than 0.5 ppm at 12-24 inches; D-2 - 12.5 ppm at 0-12 inches and 1.8 ppm at 12-24 inches; D-3 - 130 ppm at 0-12 inches and 10.7 ppm at 12-24 inches; D-4 - 1,760 ppm at 0-12 inches and 28.7 ppm at 12-24 inches; D-5 - no visible surface contamination.

The physical appearance of the stream bed at Transect D indicates the manner in which the contaminants were deposited at this location. Because of the widening of the stream bed, the water flowing down the channel spreads out into many small rivulets, each carrying only a small fraction of the total

flow. The water velocity in each rivulet was observed to decrease, apparently allowing the contaminants to adsorb onto the soil particles. This was evidenced by the surface soils being badly stained with oily materials carried by the water. The entire width of the channel surface at Transect D, except in the area of D-5 as previously noted, appeared contaminated to some degree. Five soil borings at this location indicate that the contaminants are spread randomly across the width of the channel. The depth of the contamination again appears to be limited to the upper 24 inches of soil. Further borings in the westerly direction were not possible due to the proximity of the bermed bank.

Transect E - Transect E showed a slight narrowing of the channel. The soil deposits were typical of stream beds.

Due to the narrowing of the channel, flow is in a more defined pattern towards the center of the channel. Contaminant concentrations are highest in the middle of the channel at E-1 and significantly lower to the sides of the channel at E-2 and E-3. The hydrocarbon results are as follows: E-1 - 653 ppm at 0-12 inches and 3.9 ppm at 12-24 inches; E-2 - 5.9 ppm at 0-12 inches and less than 0.5 ppm at 12-24 inches; E-3 - less than 0.5 ppm at 0-12 inches.

Transect E also offers an insight to the possible history of other contaminant flows in the channel over time. Boring E-1

indicates two distinct bands of oily material separated by clean sands (clean sands in this context means no visible contamination). This indicates that at least two distinct episodes occurred that deposited oily contaminants at this location.

Transect F - There were no borings or sampling at Transect F because of the difficulty of maneuvering the drilling equipment at this location. The channel is at its narrowest point with nearly vertical banks. The visual appearance of the surface soils indicates only minor soil contamination. Flow velocities appear to be higher in this channel segment, which probably limits contaminant adsorption to the soils.

Transect G - This transect is located in a section of the stream bed which is extremely narrow in comparison to other upstream boring sites but wider than Transect F. The soil types show typical stream deposits. When water is present, there appears to be a high flow velocity at this transect. As a result, the concentration of hydrocarbons is very low and restricted to the center of the channel. Note should be made that G-2 and G-3 were actually bored in the stream bank and not in the channel itself.

The hydrocarbon results are as follows: G-1 - 8.5 ppm at 0-12 inches, 3.3 ppm at 12-18 inches, and 5.1 ppm at 36-48 inches;

G-2 - less than 0.5 ppm at 0-24 inches; G-3 - no visible soil contamination.

Transect H - Transect H is the furthest transect downstream before entering the spreading basin. The channel bed begins to widen at this location before flowing through an underground culvert (approximately 20 feet) into the upper spreading basin. Four borings were made at this location to determine the extent of contamination. Soil types are typical of stream bed deposits.

The distribution of contaminants is somewhat random. This is apparently due to similar processes that were seen at Transect D. The contamination appears to extend across the entire width of the stream bed. The depth of contamination appears to be in the upper 12-24 inches.

The hydrocarbon results are as follows: H-1 - 469 ppm at 0-12 inches and 16.4 ppm at 12-24 inches; H-2 - 72.5 ppm at 0-12 inches and 11.5 ppm at 12-24 inches; H-3 - 69.9 ppm at 0-12 inches and 4.0 ppm at 12-24 inches; H-4 - 425 ppm at 0-12 inches and 17.6 ppm at 12-24 inches.

C. Spreading Basin Samples

Within the spreading basin, 16 backhoe trenches and 34 soil borings were made to determine the extent and chemical nature of

the suspected contamination. The backhoe locations were used to define the area of contamination in the upper spreading basin and provide guidance on where soil borings should be placed in the spreading basin. Three soil samples were taken from these trenches for total petroleum hydrocarbon analysis and hydrocarbon chemical signature analysis.

Backhoe Samples:

The backhoe locations are identified in Figure 3. A brief narrative of the physical appearance at each backhoe site is presented below.

Site #1 - Sands with signs of light oil contamination were observed on the surface to about 16 inches in depth. Dark oily material was observed from about 16 inches to 40 inches. Grey-green sands below the oily layer were present to a depth of about 60 inches.

Site #2 - Clean sands to a depth of about five feet were observed. Clean in this context means no visible contamination. There was no observed contamination at this site.

Site #3 - The surface to a depth of about eight inches was very oily; eight to about 16 inches was clean. At about the 16-inch depth more oily material, similar to site #1, was encountered.

The thickness of this second layer was about 15 inches. The oily material was observed to diminish towards the eastern end of the trench. Layering of oily deposits indicates that there have been several historical oily deposits alternating with clean deposits.

Site #4 - Clean sands to a depth of about five feet were observed. There was no observed contamination at this site.

Site #5 - Clean sand was observed from the surface to about the 3-foot depth. Dark oily material was observed from about three to four feet. Grey-green soils were noted below the oily layer to a depth of about 10 feet.

Site #6 - Clean sands were observed to a depth of about four feet. Grey-green sands were observed to a depth of about seven to eight feet.

Site #7 - Oily material was observed from the surface to about three feet in depth. Grey-green soils were observed below this depth to about 14 feet.

Site #8 - Oily discoloration was observed on the western side of the trench, none on the eastern side. Discolored material was observed at about one-foot in depth and it was approximately 1-foot thick at the western edge of the trench.

Site #9 – Clean sands were observed to a depth of three feet. A layer of oily black material was observed about three feet deep. The layer was observed to be approximately six inches thick. Grey-green soils were below the oily layer to a depth of about five feet.

Site #10 – Clean sands were observed to a depth of about 3-1/2 feet. Colored soil deposits were observed at about the 3-1/2-foot depth and appeared to extend to a depth of about 10 feet. The depth of the observed contamination at this site could not be accurately determined because the trench sides tended to collapse, making it unsafe and difficult to make accurate observations.

Site #11 – This site was chosen to check for contamination off the main flow pattern in the upper basin area. Clean sands were found to a depth of 14 feet. No contamination was observed at this site.

Site #12 – Clean sands were observed to a depth of 14 inches. Grey-green sands were observed from about 14 inches to a depth of about six feet. A layer of black material about one foot thick was observed at about the 6-foot depth. Below this observed black layer, soils were clean to a depth of 12-14 feet.

Site #13 - Clean sands were observed to a depth of about 12 feet. No contamination was observed at this site.

Site #14 - Black oily sands were observed from the surface to about the 3-1/2-foot depth. It was not possible to determine the contamination depth at this site because the trench was caving in making it unsafe and difficult to make accurate observations.

Site #15 - The surface to six inches was visibily clean. Oily black material was observed to a depth of three feet. This hole also collapsed as indicated for Site #14, making it impossible to make any deeper observations.

Site #16 - Clean sands were observed from the surface to the 18-inch depth. Grey-green sands were observed from 18-36 inches. Clean sands were observed below 36 inches to eight feet deep.

Based on the observations made from the backhoe trenches, it appeared that the spreading basin was contaminated more extensively than the channel. The upper basin contamination is delineated by the backhoe locations 1 through 8 (Figure 3). The contamination does not appear to extend beyond five or six feet in depth, except in pockets where contamination may extend deeper as indicated at sites #6 and #10. Based on backhoe

excavation observations, an intensive soil boring program was developed for the spreading basin, concentrated in the lower half of the basin.

Boring Samples:

The following are descriptions of the 34 borings classified into six transects as shown in Figure 6. These transects were used to define the extent of contamination in the spreading basin.

The flow path within the spreading basin appears to have meandered significantly over time. Figure 7 shows an aerial photograph of the basin in 1975 and Figure 8 shows the basin in 1985. These photographs indicate that the flow deviated from one time frame to the next and may have undulated back and forth over the years. The 1975 photograph indicates that the flow stayed close to the center line of the basin with a moderate westward bow located in the lower half of the basin. In contrast, the 1985 photograph shows the flow bowing sharply in a eastward direction. This observation may explain one of the factors that has influenced the surface depositional pattern within the spreading basin. This factor, combined with the influence of ponding, appears to account for the location of contaminants as found in the following transect descriptions.

Transect #1 - This transect indicates some of the depositional complexity that is present in the spreading basin. The flow path appears to have wandered significantly within a somewhat channelized area and deposited sediment and contaminants over the bed at different times. The volume of a particular flow probably was a significant influence in determining at what point material was deposited in the upper basin area. The contamination at this transect appears to be limited to the upper three to four feet of soil.

The hydrocarbon concentrations appear to be highest at the western edge of the transect and within the upper 36 inches of soil. The hydrocarbon results are: CB-30 - 239 ppm at 12-24 inches and 6.7 ppm at 24-36 inches; CB-31 - 4.1 ppm at 12-24 inches; CB-32 - 10.9 ppm at 24 inches.

Transect #2 - This transect is in an area where the flow widens and begins to spread into the lower basin. There are indications that the historical flow path at the transect has changed from a mid-basin position to the eastern edge of the basin.

Soil borings taken in this transect indicate that the subsurface contamination is concentrated in the eastern side of the basin. Boring CB-26 and CB-27 show a layer of contaminated soil starting at approximately two feet below the surface

(CB-26 - 631 ppm at 24-28 inches and 8,850 ppm at 28-36 inches, and CB-27 - 3,830 ppm at 24-36 inches). This layer is apparently limited to the eastern side of the transect; the western side shows contaminant levels one to two orders of magnitude less at the same depth. This indicates that there have been historical episodes of oily material being washed into the spreading basin and accumulating at this location.

Striated soils were observed at this transect as well as other transects. These striations probably represent flows of water reaching the basin and depositing sediments and, in some instances, contaminants. It is possible that relatively clean storm runoff had eroded the channel above the basin after the stream bed had already been contaminated with oils. The result would be a "washing down" of contaminant-laden sediments which would then settle out in the spreading basin. Once the channel was "washed out" cleaner sediments would then be deposited over the contaminant-laden sediments. This alternating clean, oily, clean, oily sequence is what was observed throughout many locations in the spreading basin and probably contributed to the striated soils present in much of the spreading basin.

Transect #3 - The visual appearance of oil on surface soils indicates that this particular location has been influenced by the most recent oil spill incident. The highest concentrations are located in the surface soils at CB-7 and CB-8

(CB-7 - 8,840 ppm at 0-12 inches and 1,700 ppm at 12-24 inches; CB-8 - 1,910 ppm at 0-12 inches and 140 ppm at 12-24 inches). Analytical results indicate that significant contaminant concentrations do not extend any deeper than five feet. These results also indicate that the highest concentrations are located in the eastern portion of the transect in association with the present surface flow.

Transect #4 - Hydrocarbons are found within about the upper five feet of soil across this transect. The highest concentrations are found in the eastern half of the basin between CB-13 and CB-14 (CB-13 - 1,590 ppm at 12-24 inches and 67.9 ppm at 24-36 inches; CB-14 - 2,830 ppm at 0-12 inches). However, hydrocarbons are found in the western extreme of the basin in higher concentrations than found in the above transects (CB-15 - 72.0 ppm at 12-24 inches; CB-16 - 81.1 ppm at 12-24 inches). It is possible that ponding in the lower half of the basin may be responsible for conveying the contaminants to the western side of the basin. Stream meandering over the years, as mentioned earlier, may have also contributed to this.

Transect #5 - This transect is within a portion of the basin that is subject to ponding when water is present, and the distribution of contaminants appears to reflect this influence. Hydrocarbon contaminants are found all along the horizontal dimension of this transect with the highest indicated

concentrations at CB-19 and CB-20 (CB-19 - 1,140 ppm at 0-12 inches; CB-20 - 2,950 ppm at 12-24 inches). The hydrocarbons appear to be contained within the upper five feet of soil.

Transect #6 - This transect is within the same ponding influence as Transect #5 and is similar with regards to the distribution of contamination horizontally and vertically. Hydrocarbons appear to be highest in concentrations within the upper 24 inches of soil between CB-23 and CB-25 (CB-23 - 1,960 ppm at 0-12 inches and 2,460 ppm at 12-16 inches; CB-24 - 700 ppm at 0-12 inches; and CB-25 - 1,050 ppm at 0-12 inches). Significant contamination does not occur below five feet in depth.

Additional Spreading Basin Borings - Three other borings were made in the spreading basin. These borings, CB-1 through CB-3, were not used in the development of the transects because of their random positions. The total petroleum hydrocarbon results are presented in Table 2. Contamination is present in similar concentrations in other portions of the spreading basin. Significant contamination does not extend beyond 48 inches in depth.

TABLE 2

TOTAL PETROLEUM HYDROCARBON

CONCENTRATIONS FROM VARIOUS SOIL SAMPLES

	Total Petroleum Hydrocarbons
CB-1	
0-12 inches	116 mg/kg
12-24 inches	4.0 mg/kg
CB-2	
0-12 inches	1,680 mg/kg
12-24 inches	735 mg/kg
36-48 inches	28.6 mg/kg
CB-3	
0-12 inches	3,300 mg/kg
12-24 inches	60.3 mg/kg
24-36 inches	4.7 mg/kg
72-84 inches	1.0 mg/kg
168-180 inches	1.0 mg/kg
Oil Tank No. 1	
0-12 inches	185 mg/kg
12-24 inches	7.1 mg/kg
TAMCO	
Drainage Ditch Soil	43,500 mg/kg

D. Other Soil Samples

Soil samples were taken at several other locations at EGS as well as on TAMCO property. These are discussed below.

Oil Tank Borings - Two borings (OT-1 and OT-2) were made at the southeast corner of the fuel oil storage tank area (Figure 4). Results of sample analyses are reported in Table 2. These borings were placed to determine if fuel oil may have leaked and contributed to the contamination in the spreading basin. Two samples taken from OT-1 were analyzed for petroleum hydrocarbons and do indicate the presence of petroleum hydrocarbons (OT-1 - 16.4 ppm at 0-12 inches and 185 ppm at 12-24 inches). The most likely source of this contamination is a past practice of stabilizing the slopes of the retention berms, that are located around the storage tanks, with oil. There were no visual indications that oil was present below the surface to a 5-foot depth. Samples taken from OT-2 were lost in shipment to the laboratory.

TAMCO Soil Sample - A soil sample of the drainage ditch bank on TAMCO property was obtained (Figure 2). This sample was used to determine the chemical signature of the oil that was in the drainage ditch on TAMCO property. This sample contained 43,500 ppm of petroleum hydrocarbons as reported in Table 2.

Metal Analyses

A. Total Metal Concentrations

Table 3 presents concentrations of metals in the native soil at EGS obtained during a previous unrelated investigation. The locations of the borings where these samples were obtained are shown in Figure 5.

Table 4 presents the metals concentrations in the channel and spreading basin. A comparison of Table 3 to Table 4 indicates that metals concentrations are higher than background in the channel and spreading basin surface soil. Elevated levels of arsenic, chromium, copper, lead, nickel, vanadium, and zinc were randomly found through the channel and spreading basin at concentrations above background soil concentrations. All other metals appear to be at background levels.

No apparent pattern of deposition is seen. There is no apparent correlation between the petroleum hydrocarbon concentrations and metals concentrations. A distinct vertical attenuation of metals is present. Metal concentrations in the channel do not appear to be significantly higher than background concentrations at depths greater than 24 inches. Additionally, elevated levels of metals appear to be limited to the upper five feet of soil in the spreading basin.

TABLE 3

SUMMARY OF BACKGROUND SOIL CHEMISTRY
CHARACTERISTICS AT THE ETIWANDA SITE (mg/kg)

Constituent	California DHS TTLC	B-1	B-2	B-3
Silver	500	ND@0.50	ND@0.50	ND@0.49
Arsenic	500	3.4	2.2	7.4
Aluminum*	10,000-300,000	6,800	5,300	7,500
Barium	10,000	120	110	17
Beryllium	75	0.59	0.50	ND@0.39
Cadmium	100	ND@0.30	ND@0.30	ND@0.29
Chromium (Total)	2,500	11	9.4	6.7
Cobalt	8,000	5.5	4.2	5.8
Copper	2,500	9.9	5.9	6.8
Mercury	20	ND@0.03	ND@0.03	ND@0.03
Molybdenum	3,500	1.1	1.0	ND@0.97
Nickel	2,000	8.4	5.8	5
Lead	1,000	ND@5.0	ND@5.0	ND@4.9
Selenium	100	ND@0.079	ND@0.080	ND@0.078
Antimony	500	ND@0.15	ND@0.15	ND@0.15
Thallium	700	ND@0.53	ND@0.54	ND@0.52
Zinc	5,000	41	35	33
Vanadium	2,400	20	15	23

* TTLC does not exist for aluminum. Range listed represents common range in soils from:
EPA SW-874, Hazardous Waste Land Treatment, April 1983, p. 273.

TABLE 4

CONCENTRATIONS OF TOTAL METALS IN SELECTED SOIL SAMPLES

in mg/kg

Sample ID	Sb	As	Ba	Be	Cd	Cr(Total)	Cr(VI)	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
EGS #1	<2.5	21	66.9	<1.0	< 0.5	41.4	-	3.5	46.2	35.6	< 0.1	<1.0	28.7	< 2.5	< 2.5	<2.5	41.6	119
EGS #2	< 2.5	12	116	<1.0	1.7	209	1.5	6.9	203	87.4	0.52	<1.0	97.4	<2.5	<2.5	<2.5	103	497
EGS #3	< 2.5	12	118	<1.0	1.1	193	<0.5	6.9	149	84.1	<0.10	<1.0	62.0	<2.5	<2.5	<2.5	55.7	394
EGS #4	< 2.5	28	63.1	<1.0	<0.5	15.5	-	3.0	10.8	13.2	0.16	<1.0	9.5	<2.5	<2.5	<2.5	22.8	52.3
EGS #5	< 2.5	40	67.6	<1.0	<0.5	11.5	-	3.0	7.0	524	<0.10	<1.0	6.2	<2.5	<2.5	<2.5	22.9	41.0
EGS #6	< 2.5	30	77.4	<1.0	0.7	79.2	<0.5	4.1	53.4	16.3	<0.10	<1.0	23.4	<2.5	<2.5	<2.5	31.2	194
A-3																		
@0-12"	<1.0	5.5	58.9	<1.0	0.5	61.5	<0.05	4.9	62.4	18.7	<0.1	3.6	24.1	<1.0	<2.5	<1.0	30.8	119
H-1																		
@0-12"	<1.0	10.9	69.8	<1.0	0.2	31.8	<0.05	6.1	43.2	10.0	<0.1	<1.0	43.6	<1.0	<2.5	<1.0	43.2	75.9
H-3																		
@12-24"	<1.0	9.4	100	1.0	<0.2	15.4	<0.05	5.76	15.4	7.5	<0.1	<1.0	7.7	<1.0	<2.5	<1.0	38.4	38.9
G-1																		
@16"-24"	-	-	-	-	-	12.4	<0.05	-	-	-	-	-	-	-	-	-	-	-
@36"-48"	-	-	-	-	-	< 0.5	<0.05	-	-	-	-	-	-	-	-	-	-	-
CB-2																		
@0-12"	<1.0	8.0	147	<1.0	0.4	42.7	<0.05	5.3	69.4	23.0	<0.1	<1.0	34.4	<1.0	<2.5	<1.0	40.7	122
@12"-24"	<1.0	8.6	66.0	<1.0	0.4	114	<0.05	5.7	52.8	44.9	<0.1	1.8	55.0	<1.0	<2.5	<1.0	52.8	132
@36"-48"	<1.0	22.1	164	<1.0	<0.2	10.3	<0.05	8.9	9.4	3.6	<0.1	<1.0	8.4	<1.0	<2.5	<1.0	39.9	39
CB-3																		
@0-12"	<11.7	6.9	73.2	<1.0	<0.2	46.7	<0.05	4.7	35.4	22.5	<0.1	1.4	23.1	<1.0	<2.5	<1.0	37.3	77.9
CB-7																		
@0-12"	<1.0	20.6	172	1.4	2.9	376	<0.05	13.1	196	171	0.3	5.9	120	<1.0	< 2.5	<1.0	106	710
@12"-24"	<1.0	6.3	68.2	<1.0	0.3	90.1	<0.05	5.5	56.0	44.1	< 0.1	<1.0	61.4	<1.0	<2.5	<1.0	77.8	96.9
@36"-48"	<1.0	17.4	139	<1.0	0.23	20.7	<0.05	13.8	26.1	9.4	< 0.1	<1.0	59.5	<1.0	<2.5	<1.0	61.0	79.2
CB-13																		
@12"-24"	<1.0	16.6	123	1.0	1.5	88.6	< 0.05	10.2	83.8	64.0	0.1	2.4	69.2	<1.0	<2.5	<1.0	78.1	297
@36"-48"	<1.0	17.4	117	<1.0	<0.2	12.9	<0.05	7.4	10.9	4.8	< 0.1	<1.0	9.4	1.0	<2.5	1.0	34.2	41.2
CB-15																		
@12"-24"	<1.0	23.8	158	1.4	1.0	51.4	< 0.05	11.8	49.1	42.3	<0.1	< 1.0	78.7	<1.0	< 2.5	<1.0	97.8	237
@24"-36"	<1.0	19.4	135	<1.0	<0.2	13.0	<0.05	8.8	20.4	10.1	<0.1	<1.0	25.5	<1.0	<2.5	<1.0	64.0	58.0
@36"-48"	<1.0	21.4	131	<1.0	<0.2	11.6	<0.05	8.7	9.6	4.3	<0.1	<1.0	8.7	<1.0	<2.5	<1.0	48.2	37.6
CB-18																		
@12"-24"	-	-	-	-	-	3.01	-	-	-	-	-	-	-	-	-	-	-	-
@60"-64"	-	-	-	-	-	7.60	-	-	-	-	-	-	-	-	-	-	-	-
@64"-72"	-	-	-	-	-	5.02	-	-	-	-	-	-	-	-	-	-	-	-
CB-19																		
@0-12"	<1.0	13.0	98	<1.0	0.4	16.9	<0.05	6.9	23.4	16.6	<0.1	<1.0	39.4	<1.0	<2.5	<1.0	52.2	82.4

TABLE 4
(Continued)

CONCENTRATIONS OF TOTAL METALS IN SELECTED SOIL SAMPLES

in mg/kg

Sample ID	Sb	As	Ba	Be	Cd	Cr(Total)	Cr(VI)	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
CB-23																		
@12"-18"	<1.0	45.2	161	1.0	2.4	58.0	<0.05	13.5	118	96.9	<0.1	1.9	122	<1.0	<2.5	<1.0	85.4	480
CB-24																		
@20"-36"	<1.0	19.0	168	<1.0	2.2	82.7	<0.05	11.1	230	160	<0.1	5.3	54.3	<1.0	<2.5	<1.0	59.2	32.8
@36"-48"	<1.0	15.8	123	<1.0	<0.2	13.0	<0.05	13.0	12.0	4.8	<0.1	<1.00	200	<1.0	<2.5	<1.0	37.4	47.9
@48"-58"	<1.0	12.1	91.4	4.3	<0.2	12.1	<0.05	11.1	9.3	4.6	<0.1	<1.00	158	<1.0	<2.5	<1.0	32.9	39.0
CB-25																		
@0"-10"	<1.0	49.7	239	1.0	1.4	82.3	<0.05	27.0	97.4	90.4	<0.1	0.95	884	<1.0	<2.5	<1.0	1010	279
CB-26																		
@24"-30"	<1.0	10.9	102	1.0	0.5	73.8	<0.05	9.5	59.9	41	<0.1	<1.0	202	<1.0	<2.5	<1.0	194	135
CB-28																		
@12"-24"	<1.0	7.7	91.7	<1.0	2.5	59.3	<0.05	7.4	113	90.0	<0.1	1.4	50.5	<1.0	<2.5	<1.0	43.1	304
CB-32																		
@24"-36"	<1.0	18.1	156	<1.0	<0.2	10.2	<0.05	8.8	7.51	3.3	<0.1	<1.0	7.1	<1.0	<2.5	<1.0	34.9	35.8
@48"-60"	<1.0	15.5	135	<1.0	<0.2	11.8	<0.05	8.0	10.9	2.9	<0.1	<1.0	8.5	<1.0	<2.5	<1.0	39.6	36.8
CB-33																		
@24"-36"	-	-	-	-	-	4.58	-	-	-	-	-	-	-	-	-	-	-	-
@36"-48"	-	-	-	-	-	3.56	-	-	-	-	-	-	-	-	-	-	-	-

Even though some metal concentrations are above background values, none exceed the Total Threshold Limit Concentrations (TTLCs) established by the State of California for hazardous wastes.

B. Soluble Metal Concentrations

A majority of the samples which are presented in Table 4 were also analyzed for soluble metals content. The analysis involves the use of the Waste Extraction Test developed by the State of California. A summary of these analyses is presented in Table 5.

Only four samples analyzed for soluble metals exceeded the Soluble Threshold Limit Concentrations (STLCs). Lead was the only metal found in concentrations in excess of the STLC of 5 ppm. These samples were EGS-5 (13.5 ppm), CB-7 at 0-12" (6.6 ppm), CB-23 at 12-18" (5.5 ppm), and CB-25 at 0-10" (5.7 ppm). These metal concentrations do not significantly exceed the STLC standards. These concentrations are all in the upper 18 inches of soil.

Base/Neutral Acid Series and Volatile Organic Analyses

The samples which were analyzed for total and soluble metals were also analyzed for the Base/Neutral-Acid (BNA) series of the Federal Priority Pollutant List. Three samples with very high

petroleum hydrocarbon content were analyzed for volatile organics. A majority of samples showed no detectable quantities of any BNA or volatile organic compounds. The laboratory results are presented in Appendix C.

The methylene chloride and acetone found in some samples is probably an artifact of the laboratory's cleaning procedures. It would be unlikely that such volatile materials would be in soil exposed to the elements for long periods of time. The Bis(2-ethylhexyl)pthalate is also believed to be caused by laboratory procedures. The concentrations are exceptionally low and appear to be limited to the upper four feet of soil in the spreading basin, and the upper two feet of soil in the channel.

WATER SAMPLES

During the course of this investigation, several water samples were obtained from ground water wells and from other water sources to determine if contaminants found in the channel and spreading basin were present in the ground water.

TABLE 5

CONCENTRATIONS OF SOLUBLE METALS IN SELECTED SOIL SAMPLES

in mg/kg

Sample ID	Sb	As	Ba	Be	Cd	Cr(Total)	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
EGS #1	<0.5	0.23	2.1	<0.2	<0.020	2.6	<0.2	<0.2	0.35	<0.002	<0.2	1.4	<0.05	<0.5	<0.5	1.5	7.7
EGS #2	<0.5	0.33	5.0	<0.2	<0.010	8.4	0.4	<0.2	0.37	<0.002	<0.2	3.6	<0.05	<0.5	<0.5	4.7	27.8
EGS #3	<0.5	0.39	5.4	<0.2	<0.010	8.4	0.3	<0.2	2.5	<0.002	<0.2	3.2	<0.05	<0.5	<0.5	2.5	21.2
EGS #4	<0.5	0.08	1.8	<0.2	<0.010	0.2	<0.2	<0.2	0.11	<0.002	<0.2	0.3	<0.05	<0.5	<0.5	0.4	0.6
EGS #5	<0.5	0.55	3.3	<0.2	<0.010	<0.1	0.2	<0.2	13.5	<0.002	0.5	0.2	<0.05	<0.5	<0.5	0.7	0.5
EGS #6	<0.5	0.23	2.1	<0.2	0.024	3.6	<0.2	<0.2	1.06	<0.002	<1.0	1.3	<0.05	<0.5	<0.5	0.75	13
A-3																	
@0-12"	-	0.09	-	-	-	-	-	<0.2	1.7	-	-	0.5	-	-	-	0.8	-
H-1																	
@0-12"	-	<0.02	-	-	-	-	-	0.7	0.28	-	-	0.2	-	-	-	0.7	-
H-3																	
@12-24"	-	0.02	2.1	<0.1	-	-	-	-	0.07	-	-	-	-	-	-	0.4	-
G-1																	
@16-24"																	
@36-48"																	
CB-2																	
@0-12"	-	0.12	2.7	-	-	-	-	1.6	1.3	-	-	0.8	-	-	-	0.8	-
@12-24"		0.06	-	-	-	-	-	0.3	1.1	-	-	0.5	-	-	-	0.7	-
@36-48"		<0.02	9.7	-	-	-	-	-	-	-	-	-	-	-	-	0.7	-
CB-3																	
@0-12"	-	0.07	-	-	-	-	-	1.6	1.1	-	-	0.4	-	-	-	0.9	-
CB-7																	
@0-12"	-	0.30	4.9	<0.1	0.13	-	-	7.3	6.6	<0.005	-	2.8	-	-	-	3.4	33.0
@12-24"	-	0.09	-	-	-	-	-	0.6	1.8	-	-	0.9	-	-	-	3.8	-
@36-48"	-	0.09	5.8	-	-	-	-	<0.2	0.09	-	-	0.9	-	-	-	1.6	-
CB-13																	
@12-24"	-	0.22	4.5	<0.1	0.10	-	-	5.2	3.2	-	-	1.4	-	-	-	2.6	18.1
@36-48"	-	<0.02	4.6	-	-	-	-	-	-	-	-	-	-	-	-	0.3	-
CB-15																	
@12-24"	-	0.06	4.3	<0.1	0.03	-	-	1.0	1.2	-	-	0.8	-	-	-	2.1	-
@24-36"	-	0.04	4.1	-	-	-	-	-	0.07	-	-	0.6	-	-	-	1.8	-
@36-48"	-	<0.02	6.6	-	-	-	-	-	-	-	-	-	-	-	-	0.8	-

TABLE 5
(Continued)

CONCENTRATIONS OF SOLUBLE METALS IN SELECTED SOIL SAMPLES

in mg/kg

Sample ID	Sb	As	Ba	Be	Cd	Cr(Total)	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
CB-18																	
@12-24"																	
@60-64"																	
@64-72"																	
CB-19																	
@0-12"	-	0.08	-	-	-	-	-	-	0.07	-	-	0.7	-	-	-	1.5	-
CB-23																	
@12-18"	-	0.21	4.7	<0.1	0.12	-	-	5.6	5.5	-	-	1.9	-	-	-	2.9	19.8
CB-24																	
@20-36"	-	0.15	4.6	-	0.07	-	-	4.2	2.7	-	-	2.8	-	-	-	7.5	-
@36-48"	-	<0.02	5.6	-	-	-	-	-	-	-	-	3.2	-	-	-	0.4	-
@48-58"	-	<0.02	-	<0.1	-	-	-	-	-	-	-	10.5	-	-	-	0.4	-
CB-25																	
@0-10"	-	0.28	7.1	<0.1	0.11	-	-	6.5	5.7	-	-	6.7	-	-	-	31.3	12.0
CB-26																	
@24-30"	-	0.020	2.8	<0.1	0.02	-	-	1.0	1.1	-	-	1.0	-	-	-	4.5	-
CB-28																	
@12-24"	-	0.06	-	-	0.04	-	-	0.6	2.4	-	-	0.8	-	-	-	1.1	10.7
CB-32																	
@24-36"	-	<0.02	8.4	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-
@48-60"	-	<0.02	6.5	-	-	-	-	-	-	-	-	-	-	-	-	0.5	-

Ground water samples were taken from two wells located on the EGS site. The wells are designated the east and center wells and are shown in Figure 4. Note should be made of the proximity of the center well to the spreading basin.

Table 6 shows the results from the well samples and indicates that water quality is good and there are no exceedances of national primary drinking water standards. This is not unexpected since the depth to ground water is in excess of 300 feet and the contaminated soil appears to be limited to the first five feet.

A sample of the EGS service water tank was also analyzed for petroleum hydrocarbons. None were detected. The tank is pumped full and refilled on an as needed basis. If petroleum hydrocarbons had been in the water supply prior to this investigation, some trace of them may have been present in this tank.

Three water samples were also taken at several sources on TAMCO property. These were the TAMCO lunchroom water (TAMCO domestic well water), the TAMCO cooling tower basin, and the water from the drainage ditch/runoff at the outlet of TAMCO's property. The result of these analyses are shown in Table 7. The lunchroom sample is indicative of the quality of ground water

TABLE 7

TAMCO LUNCHROOM WATER ANALYSIS

Electrical Conductivity, mmho/cm	0.32
pH	7.59
Calcium, mg/l	62.5
Magnesium, mg/l	7.2
Sodium, mg/l	18.4
Potassium, mg/l	1.8
Carbonate (CO_3), mg/l	0
Bicarbonate (HCO_3), mg/l	147
Chloride (Cl), mg/l	8.3
Nitrate-Nitrogen (NO_3-N), mg/l	3.0

Trace Elements (mg/l)

Arsenic	<0.0005
Boron	<0.0001
Cadmium	<0.2
Chromium	0.004
Fluoride	0.4
Lead	<0.005
Selenium	<0.0005
Silicon	
Silver	<0.0008
Strontium	0.27
Barium	0.06
Mercury	<0.0005
Aluminum	0.05
Zinc	0.28

TOTAL PETROLEUM HYDROCARBON CONCENTRATIONS
IN WATER SAMPLES TAKEN FROM TAMCO

Sample Source	Petroleum Hydrocarbon Concentration (mg/l)
TAMCO Cooling Tower Basin	35.6
TAMCO Drainage Pitch Outlet	6.2

below the TAMCO site. It is similar in character to the EGS water well samples and meets all national primary drinking water standards.

The TAMCO cooling tower basin and the water from the stream runoff at the outlet of the property show low to medium levels of petroleum hydrocarbons present.

DISCUSSION

Petroleum hydrocarbons are the major soil contaminants found in the surface drainage channel and spreading basin. Analyses conducted for Title 22, California Administrative Code metals and EPA organic priority pollutants (BNA series) indicate that, although some of these contaminants are present at above background levels, the concentrations are not significantly high to cause concern. Samples of well water show good water quality at the site with no apparent influence from site soil contamination.

The contaminants found within the channel and spreading basin appear to have been transported and deposited there by multiple upgradient contaminant release episodes and storm run-off occurrences. The specific location and concentration of contaminants found within the system appears to be associated with transport and depositional influences over time as described below:

- Contaminant concentration and volume for any given release.

- Volume of any concurrent or subsequent storm water flow in the drainage system.

- The physical gradient, contour, and flow path of channel and basin segments.

- Erosional and sedimentation factors in the drainage system.

- Soil permeability, contaminant leaching potential, and hydraulic pressure within the channel and basin.

Results generated from this site investigation appear to confirm that these are the major influences that account for where and at what concentrations contaminants are found in the channel and spreading basin. Soil logs and analytical results indicate soil hydrocarbon contamination to a depth of approximately two feet in the channel and five feet in the spreading basin. Within this defined soil horizon, contaminant concentrations vary widely with lateral and vertical location. The reason for this variation appears to be caused by the dynamics of the physical processes at work in the system over time.

Surface water flow volume and velocity appear to be the major factor influencing soil contamination in the channel segment. At points where the channel widens and flow velocity decreases, soil contaminant concentrations increase and depth of contamination increases. Conversely, where the channel is narrow and water velocity is greater, soil contamination is shallow and at lower concentrations. Many lower quantity releases from upstream sources do not appear to have had sufficient volume to travel the full length of the channel. The lower quantity flows terminated at discrete points, where flows decreased and

contaminants settled out. Higher and deeper contaminant concentrations were found at points where this influence was observed. The influences of water volume and velocity account for the occurrence of localized pockets of higher contamination in the upper channel area (Transects A-E).

Specifically, at Transect A, located at the northern extreme of EGS property, contaminant concentrations are higher than those found at Transect C. This is apparently due to two factors: 1) low quantities of flow were historically more persistent at this point in the channel than elsewhere downgradient (this observation is based on anecdotal comments from EGS personnel who have observed these occurrences in the past), and 2) when flows were of sufficient volume to reach Transect C, the flow velocity increased because the channel is narrower at this point and conveyed the flows further downgradient. The influence of surface water flow contributing to concentrating soil contamination at points within the channel were also noted at other locations within the channel. There are locations where the channel widens and sedimentation has created barriers to downstream flow. This influence was observed between Transect D and Transect E and to some extent at Transect H.

The surface flow velocity and volume appear to have influenced the spreading basin as well; however, ponding appears to have had an additional influence in the spreading basin. The lower

half of the spreading basin is subject to ponding when flow is of sufficient quantity to reach the basin. Contamination is found most extensively in the ponding areas of the basin. In the upper half of the basin, hydrocarbons are found in a narrow band across Transects 1 through 3 where the flow is in a somewhat restricted horizontal zone. In the lower half, hydrocarbons are found across almost the entire width of Transects 3 through 6, where ponding is observed to occur.

The physical properties of the upper soils indicate the presence of a silt layer with varying mixtures of clay and sand. This layer appears to have prevented significant vertical migration. All soil cores and analytical results indicate that contamination does not significantly extend beyond the silt layer at about 5–6 feet in depth at most locations.

There are occurrences of contamination at depths greater than five feet in the spreading basin. These occurrences were particularly noticed during the backhoe excavations at Sites 9 through 16. The silt layer in specific locations is not continuous and/or the hydraulic pressure of the surface water ponding has forced the contaminants deeper into the soil. It can be expected that there are locations within the basin, particularly the lower basin, where the occurrence of deeper pockets to a depth of 15 feet may be present. There are no indications that significant contamination will be found any deeper than approximately 15 feet.

POSSIBLE CONTAMINATION SOURCES

A search of historical documents and personnel interviews at Etiwanda Generating Station indicates that there have been no significant oil releases at the station that could have entered the surface drainage system. However, station records and interviews do indicate several oily releases from TAMCO and its predecessor companies over the past 20 years. Analytical testing of some of the historical releases into Etiwanda surface drainage system from outside the northern property line have been documented to be petroleum hydrocarbons. The California Regional Water Quality Control Board, Santa Ana Region's files, verify a history of releases from TAMCO and its predecessor companies.

Petroleum Hydrocarbon Sources

The source(s) of petroleum hydrocarbon releases are difficult to accurately determine. The potential for releases from a number of on-site and off-site sources exists. The upgradient area north of the Etiwanda Generating Station appears to drain other industrial facilities besides the TAMCO site. It is possible for material to be transported from several upgradient sources and deposited in the drainage system during periods of exceptionally high rainfall.

In an effort to determine the source(s) of petroleum hydrocarbon contamination, SCE employed Global Chemistry Corporation to compare the chemical signature of the oil found in the contaminated soil on the EGS site to other samples collected from TAMCO and SCE oil sources. If no similarities could be found, then this would be an indication that the petroleum could be from other upgradient sources. A match would indicate that the material may have originated from a particular TAMCO or SCE source.

Samples from several locations were collected and delivered to Global Geochemistry Corporation for chemical signature analyses. These samples were collected from six of the backhoe sample points [Nos. 1, 9, 10 (at 8 and 14-foot depths), 14, and 15 as indicated on Figure 3], two from TAMCO sources (the oil/water separator basin and the drainage ditch outlet as indicated on Figure 2), and one fuel oil sample from a fuel oil storage tank at Etiwanda Generating Station. The results of these analyses indicated the following: 1) fuel oil stored on-site was not the source of soil contamination because of specific differences from all the other sources; 2) several specific chemical matches were found between the on-site contaminated soil and TAMCO sources. The Global Geochemistry Corporation report has been included as Appendix E and details the results of their analytical work. Based on the above information, the petroleum hydrocarbon contamination appears to be the result of

historical releases from upgradient sources that have been deposited and accumulated over time in the channel and spreading basin of Etiwanda Generating Station.

Other Constituents

The analyses of soil samples indicate that there are no significantly high concentrations of the base, neutral, acid priority pollutants in any of the samples analyzed. All organic constituents present are associated with petroleum hydrocarbons.

Some metals were found to be present at concentrations higher than background. No specific work was done to trace the metals by source. It is assumed that the metals have been transported to the channel and basin in a manner similar to the petroleum hydrocarbons. There are, as for the case of petroleum hydrocarbons, potential on-site and off-site sources of metal contamination.

Etiwanda Generating Station's cooling towers is a potential on-site source. Historically, the cooling tower circulating water was treated with a commonly used chromium-based corrosion inhibitor. Although there are no direct means of discharging from the cooling towers into the channel or spreading basin, the circulating cooling water system is a potential source for chromium. Interviews with Etiwanda Generating Station personnel

have indicated that there have been no major discharges from the cooling water system into the channel or basin. All cooling water discharges are made to the Chino Basin Municipal Water District treatment plant under provisions of a permit.

There are also potential off-site metal sources from TAMCO and its predecessor companies' operations as well as a metal salvage operation located north of Etiwanda Generating Station. There are no specific indications based on any metal analyses, that would lead to any conclusion of a source(s).

APPENDIX A

Southern California Edison Company
Environmental Operations

Etiwanda Generating Station
Site Characterization Study
Preliminary Report
July 5, 1985

Prepared By:
R. M. Goodson

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ETIWANDA GENERATING STATION
SITE CHARACTERIZATION STUDY
PRELIMINARY REPORT

1.0 Introduction

1.1 Background

Southern California Edison Company's (SCE) Etiwanda Generating Station (EGS) is located at 8996 Etiwanda Avenue, Etiwanda, San Bernardino County, California as indicated on Figure 1. The facility operates as a fossil fueled electrical generating station providing an energy resource for customers within the SCE distribution territory.

EGS began operations in 1953 with the construction of Units 1 and 2. Units 3 and 4 went into operation in 1963 and Unit 5 in 1969. Construction of the facility incorporated an existing surface drainage channel that crosses the property following the natural gradient in a north to south direction. This channel provides storm water run-off drainage for the adjacent EGS area as well as an industrial area located immediately north of the EGS property line.

On March 13, 1985, a substantial oil/water spill of approximately 10,000 gallons occurred at the TAMCO facility located in the industrial area north of the EGS property line. Natural drainage conveyed the spill through the above mentioned

surface drainage channel onto EGS property. This incident was reported to the California Regional Water Quality Control Broad, Santa Ana Region (Regional Board) by TAMCO.

Cleanup of the spill on TAMCO and SCE property was commenced by TAMCO soon after the spill. The cleanup conducted on SCE property revealed that visually contaminated soil extended deeper into the soil strata than what would be expected from the March 13, 1985 spill alone. In consultation with the Regional Board staff, SCE agreed to conduct a site characterization study to assess the extent and nature of soil contamination within the drainage channel on EGS property.

1.2 Objective

The objective of the site characterization study is to define the source, extent, and constituent character of the EGS drainage channel contamination. Findings from this study will be the basis for decision making in determining the environmental consequences and appropriate final disposition of the contaminated material.

1.3 Channel Description

The drainage channel is approximately 2,250 yards in length (see Figure 2). It is a natural topographic feature that existed

prior to any land development at EGS. Only minor changes have been made to the channel to accommodate facility construction.

The channel is aligned in a north to south direction originating outside of EGS's northern boundary and exiting EGS's southern property boundary. The channel functions to provide drainage for surface rainfall run-off associated with storm occurrences. SCE constructed a drainage spreading basin in the channel at the southern property boundary to allow for percolation of normal rainfall run-off. With this modification, the discharge of run-off from EGS property occurs only during substantial rainfall periods.

2.0 Site Characterization Sample Plan

SCE developed a sample plan to define the vertical and lateral extent as well as the chemical nature of the site contamination. The sample plan consisted of the following components:

- Soil boring and sampling of the drainage channel and spreading basin.

- o EGS soil and liquid effluent sampling on EGS property of the March 13, 1985 TAMCO spill.

- o Local groundwater quality sampling.

- o Backhoe excavation and sampling within the basin.

- o EGS fuel oil sampling.

- o TAMCO wastewater stream sampling.

Sampling for each sample plan component was carried out according to the following methods:

2.1 o Channel samples

-- Eight sample locations (A through H) were established within the channel between the northern property boundary and the basin at approximately 300 foot intervals as indicated on Figure 3.

-- A boring was made as close as possible to the center line of the channel at each channel sample location.

-- Additional lateral borings were made on each side of the center line sample point at about ten foot intervals. These lateral borings were continued until visual examination of the soil cores showed no contamination. This indicated the approximate lateral boundary of the contamination zone.

-- Sample points B, C, and F precluded following the intended sample plan because of accessibility problems. One soil core was obtained at each point B and C and none at point F. A total of 20 borings were made within the channel.

-- All soil borings were sampled continuously to a target minimum depth of approximately four to five feet. If visible contamination was observed at the minimum depth, sampling depth was extended until a clean soil interface was observed. Some soil borings made at the apparent lateral boundary of the soil contamination were to a depth of approximately two feet. Soil core samples were composited at one foot intervals and individually placed in glass sample bottles. In some cases, samples were composited at less or

more than one foot intervals depending on observed field conditions. All samples were transported to a state certified laboratory for analysis or storage.

-- All soil cores were logged and classified as to observed physical properties.

-- Soil samples were selectively chosen for analysis according to appearance and lateral and vertical location. All samples chosen for analysis were analyzed for total petroleum hydrocarbons. Selected samples were chosen for California Assessment Manual (CAM) metals and/or priority pollutant analysis based on appearance, location, and results of the total petroleum hydrocarbon analysis.

2.2 o Spreading basin samples

-- A total of 34 borings (CB-1 through CB-34) were made in the basin area as indicated in Figure 4.

-- All soil borings were sampled continuously to a targeted minimum depth of approximately eight to ten feet. If visible contamination was observed

at the minimum depth, sampling depth was extended until a clean soil interface was observed. Soil core samples were composited at one foot intervals and individually placed in glass sample bottles. In some cases, samples were composited at less or more than one foot intervals depending on observed field conditions. All samples were transported to a state certified laboratory for analysis or storage.

-- All soil cores were logged and classified as to observed physical properties.

-- Soil samples were selectively chosen for analysis according to appearance and lateral and vertical location. All samples chosen for analysis were analyzed for total petroleum hydrocarbons. Selected samples were chosen for CAM metals and/or priority pollutant analysis based on appearance, location, and results of the total petroleum hydrocarbon analysis.

2.3 o Spill samples

-- Soil samples from the March 13, 1985 TAMCO spill material were collected at six locations within the drainage channel system. The location of these sample points (1 through 6) are indicated on Figure 3. The samples were collected as surface soil samples and analyzed for the following constituents:

  - o Total petroleum hydrocarbons.
  - o CAM metals.
  - o Base-neutral and acid extractable organics.

-- One grab sample was collected from the liquid component of the TAMCO spill material on March 13, 1985. A second grab sample was collected from a subsequent liquid discharge from TAMCO on SCE property on March 25, 1985. These liquid samples were analyzed for total petroleum hydrocarbons and CAM metals.

2.4 o Groundwater samples

-- Grab samples were collected from two on-site groundwater wells and one upgradient well located on TAMCO property. The location of all three wells are indicated on Figure 6.

-- All well samples were analyzed for selected mineral and metal concentrations.

2.5 o Backhoe excavation and sampling

-- A series of holes were dug within the basin by a backhoe machine in an effort to obtain a quick indication of the lateral extent of soil contamination. A total of sixteen holes were dug within the upper half of the basin. The location of these holes (1 through 16) are indicated on Figure 5.

-- Three samples were collected at specific depths from a representative selection of holes. All samples were analyzed for total petroleum hydrocarbons. In addition, the petroleum hydrocarbon component of the samples were analyzed in detail to determine the specific chemical signature of the oil.

2.6 o EGS fuel oil

-- A sample was taken from the EGS fuel oil supply and analyzed to determine the specific chemical signature of the oil stored at the site.

-- Two soil borings were made at the closest point between EGS fuel oil storage tanks and the drainage channel system. The location of these sample points (OT-1 and OT-2) are indicated on Figure 4. The soil core sample depths for OT-1 was approximately 10 ft. and OT-2 was approximately 15 ft. These soil core samples were analyzed for total petroleum hydrocarbons.

2.7 o TAMCO samples

-- Liquid grab samples were collected from TAMCO's oil/water separator basin, cooling tower basin, and the TAMCO drainage ditch. In addition, one surface soil sample was collected at a point near the discharge of the drainage ditch from TAMCO property. The location of these sample points are indicated on Figure 3.

-- All TAMCO samples were analyzed for total petroleum hydrocarbons. In addition, the petroleum component of the samples were analyzed to determine the specific chemical signature of the oil.

3.0 Environmental Setting at the Etiwanda Generating Station

3.1 Geology

3.1.1 Topographic Setting

EGS is situated within the central portion of the upper Santa Ana River Valley on a broad, gently undulating alluvial plain. This plain consists of coalescing alluvial fans, which have grown southward from the upper San Gabriel Mountains (approximately 6 miles to the north) and the Jurupa Mountains (approximately 4-1/2 miles to the southeast). The San Gabriel Mountains are a large fault block of plutonic and metamorphic rocks, uplifted along a system of marginal and internal faults. The Jurupa Mountains rise above the alluvial plain as out-layers of the Perris Block Highland to the southeast and are separated from the Highland by the broad alluviated valley of the Santa Ana River. (Burnham, 1953). The Santa Ana River is approximately 8 miles south of the site.

3.1.2 Stratigraphy

Surface deposits at the EGS site have beem mapped as undifferentiated Pleistocene alluvial deposits of gravel, sand, silt, and clay. (Burnham, 1953). The available data reviewed suggests a total thickness of alluvial in excess of 700 feet. Borings conducted on the site for foundation investigations revealed predominately sands and gravels to a depth of 100 feet (from SCE files); no groundwater was encountered in these borings. The exact depth to and type of bedrock beneath the site is unknown.

3.1.3 Tectonic Setting

The faults within the area are two general types: (1) east-west or northeast trending, steeply dipped reverse and thrust of the Cucamonga fault system along the southern margin of the San Gabriel Mountains and (2) a series of northwest trending, nearly vertical faults associated San Jacinto and San Andreas fault system east of the site. In addition, the active San Andreas fault zone lies approximately 13.5 miles northeast of the site, beyond the San Jacinto fault. All of the known faults in the area affect the unconsolidated water-bearing deposits to some degree and are important to the groundwater movement in that they may act as barriers to movement. (Burnham, 1953).

The San Jacinto fault splays off from, and is associated with, the San Andreas fault. It is one of the most historically active faults in Southern California, having produced several large earthquakes (magnitude 6 to 7) including those that occurred east and south of the site in 1899, near San Jacinto in 1918, and near Borrego in 1968. The fault is approximately 8-1/2 miles northeast of the site.

The Cucamonga fault, which is the easternmost segment of the Sierra Madre fault system, is approximately 5 miles north of the site and forms the southern front of the San Gabriel Mountains in the area.

3.2 Subsurface Conditions

The subsurface conditions described in this section are preliminary based on previous foundation investigation reports (Dames and Moore; 1951; LeRoy Crandall and Associates, 1967). In general, the subsurface soils below the site to a depth of approximately 100 feet (maximum depth of previous explorations) consists predominantly of fine to course sands and gravel. Within the sands and gravel strata there are scattered lenses and thin layers of clay. The density of the upper strata (to a depth of 50 feet) ranges from dense to very dense; the density of the soils below 50 feet is generally very dense. The permeability of the sands and gravels is relatively high.

Groundwater was not encountered in any of the previous geotechnical studies at the site; the regional groundwater levels have generally been on the order of 400 feet below the surface.

3.3 Hydrology

3.3.1 Names and Locations of Surface Water Bodies

There are three stream channels within 1 mile of EGS. These are Day Creek, East Etiwanda Creek, and San Sevaine Channel, as shown in Figure 1. Although the EGS site is surrounded by stream channels, it is not expected to be affected by a 100-year flood according to available flood insurance maps.

3.3.2 Flow Characteristics and Water Analysis

Day Creek flows to the south and is located approximately 1,600 feet west of the EGS site; East Etiwanda Creek flows to the south and is located approximately 400 feet east of the site; San Sevaine Channel flows south and is approximately 2,700 feet east of the site. All these streams are gauged and varying amounts of stream flow data are available.

3.4 Hydrogeology

3.4.1 Regional Hydrogeology

The EGS is located in the central portion of the Chino Basin. The Chino Basin is bound by: The crystalline rocks of the Jurupa Mountains of the south; the Rialto-Colton Basin Barrier on the east; the portion of the Riverside Basin that lies north of the Riverside-San Bernardino County line to the southwest; the Cucamonga fault to the immediate north; and the Red Hill fault zone to the northwest (Fife, Morton, and others, 1976).

The Chino Basin groundwater reservoir includes an area of about 45,000 acres underlain primarily by Pleistocene alluvial deposits consisting of sand, gravel, and boulders interspersed with deposits of silt and clay. The alluvial deposits thicken from the east towards the west. Depth to bedrock is about 1,200 feet below the surface in the western portion of the basin.

The primary source of groundwater in the Chino Basin is underflow from the Rialto-Colton Basin. The underflow enters the eastern end of the basin in the area between Bloomington and the Jurupa Mountains. The second largest source of recharge to the Chino Basin is percolation of irrigation returns and precipitation on the valley floor (Hardt and Hutchinson, 1980; Burnham, 1953).

3.4.2 Site Hydrogeology

The hydrostratigraphic units bereath the EGS site appear to be essentially the same as the regional hydrostratigraphic units. Depth to groundwater fluctuates and varies in relation to precipitation and groundwater management. Water level records from 1930 to 1951 indicate an average water table elevation of 770 feet (Dutcher, 1936, 1945; Burnham, 1953, SBCFCD, 1984); the surface of the site is at an approximate elevation of 1,100 feet. For the period 1951 to 1980, the San Bernardino County Flood Control District and Fontana Union Water Company groundwater level records indicate water surface elevations ranging from 690 to 785 feet.

There are three wells identified as the East Well, Center Well, and West Well on the EGS site. These wells are used to supply the facility's cooling water and other miscellaneous uses. The well hydraulic test results are shown in Figures 7, 8, and 9.

3.5 Vadose Zone

The vadose zone at the EGS site is approximately 400 feet thick. The vadose zone is composed of unconsolidated Pleistocene alluvial deposits that include gravel, sand, silt, and clay (Fife, Rogers, and others, 1976; Burnham, 1953). Boring logs for on-site sub-surface foundation investigations

conducted in 1951 and 1967 show that the upper 100 feet of the vadose zone consists primarily of sand and sandy silt, with minor lenses of gravel. Moisture contents observed in 1967 generally range from 5 to 15%.

A summary of the sequence of stratigraphic units, their general characteristics and water bearing properties (Burnham, 1953) is presented below:

GENERALIZED STRATIGRAPHIC COLUMN

Age	Unit	Thickness
Recent	Younger alluvium - relatively unweathered alluvial fan and stream deposits of boulders, cobbles, gravel, sand, and silt; forms most of the present day fan surfaces.	0-200
	Unconformity	
Upper-Pleistocene	Dune sand - course to fine sand, poorly rounded and no longer actively drifting, except very locally.	0-30
	Local Unconformity	
Upper-Pleistocene	Older alluvium - gravel, sand, silt, and clay of fluvial origin making up nearly all of the valley fill beneath the younger alluvium. Composed of two members, the lower derived mainly from older sediments and from rocks of a crystalline basement to the northeast and the upper derived largely from the San Bernardino and San Gabriel Mountains and from terraces along canyon walls and isolated islands of red-brown soils that have escaped burial by the younger alluvium.	0-1200

4.0 Sample Analysis Data

The sample analysis data will be submitted at a later time in the final site characterization study.

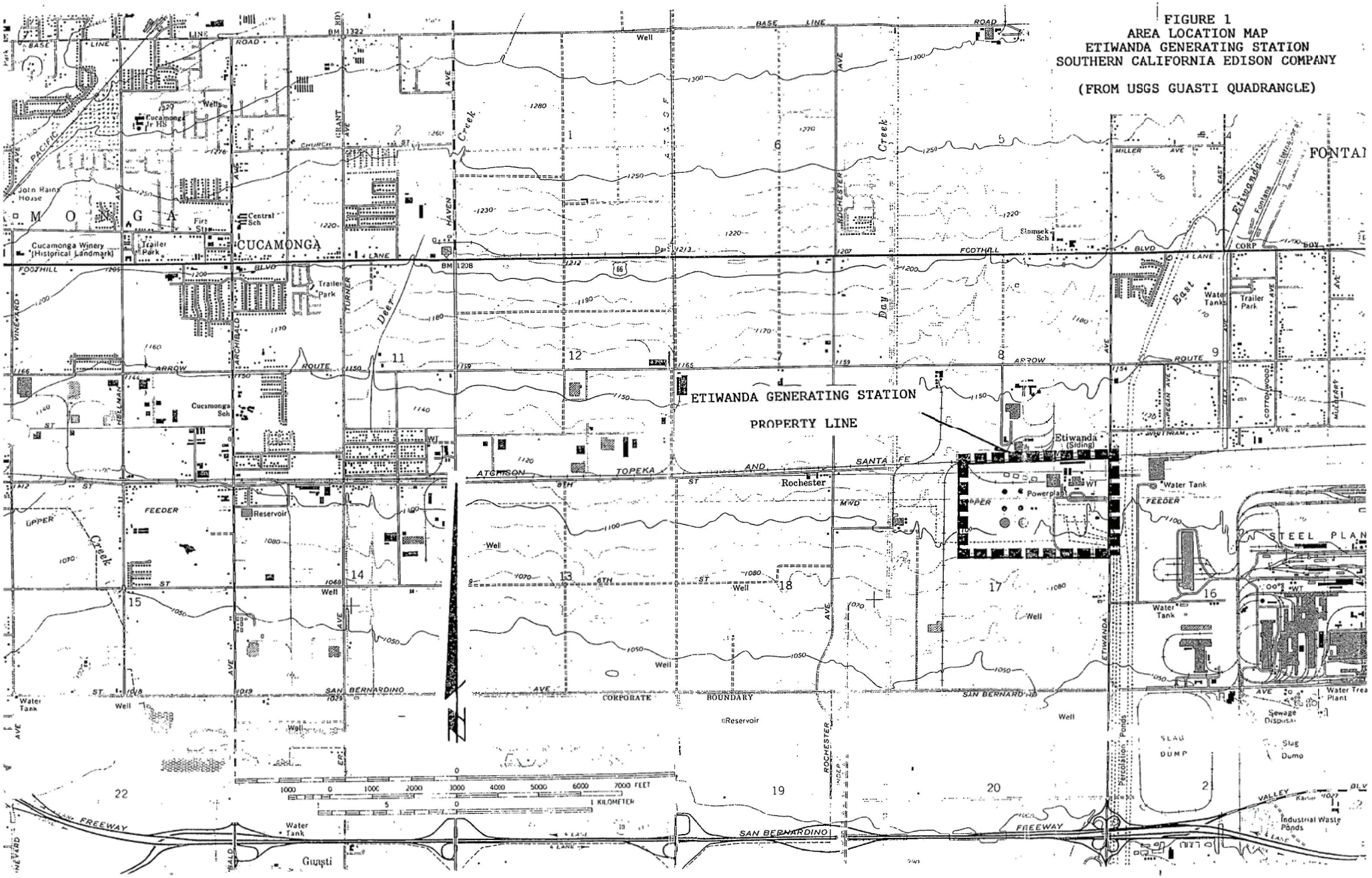
5.0 Conclusions and Recommendations

Conclusions and recommendations will be submitted at a later time in the final site characterization study.

1578E

FIGURE 1
AREA LOCATION MAP
ETIWANDA GENERATING STATION
SOUTHERN CALIFORNIA EDISON COMPANY

(FROM USGS GUASTI QUADRANGLE)



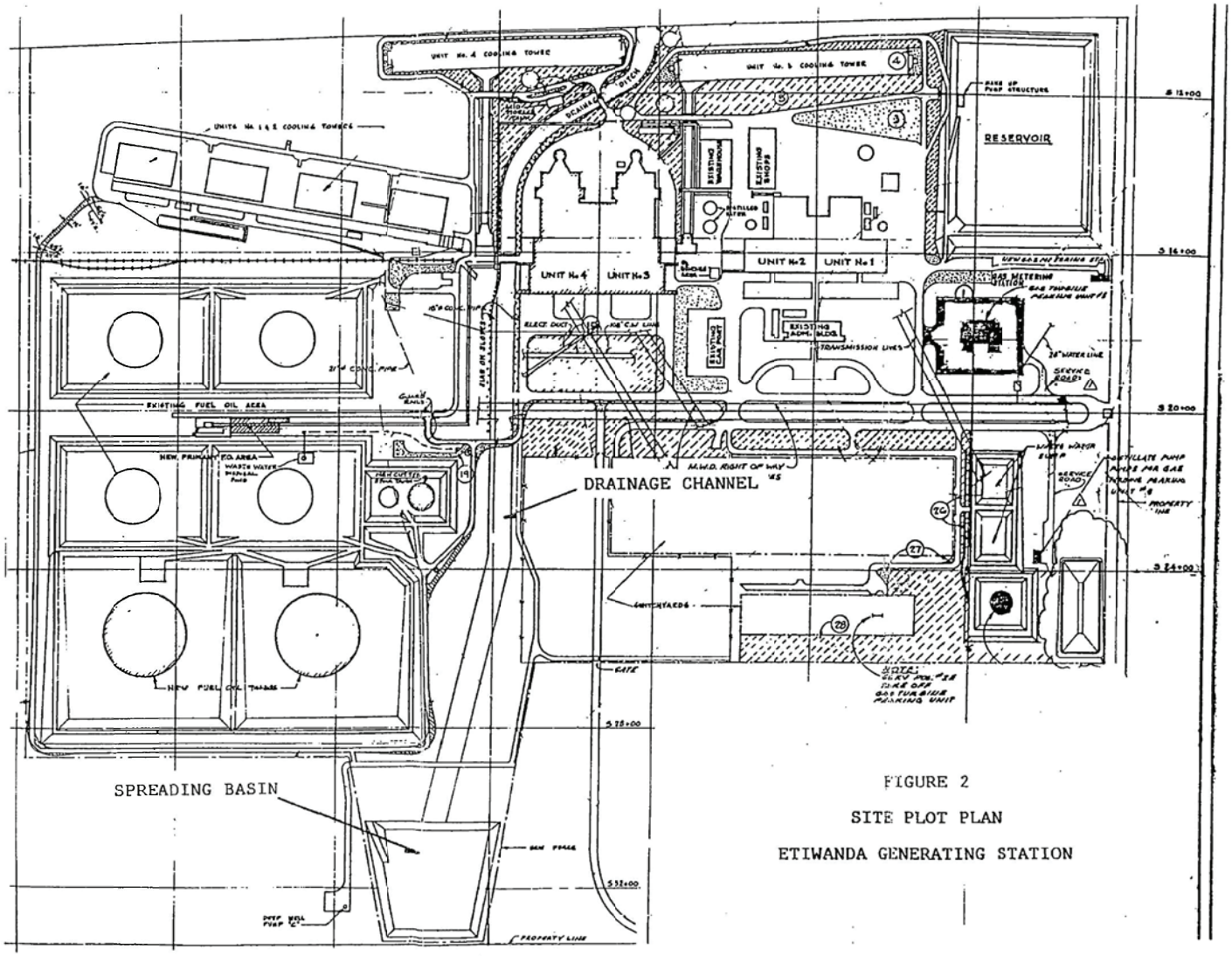


FIGURE 2

SITE PLOT PLAN

ETIWANDA GENERATING STATION

TABLE 6

CHEMICAL ANALYSIS OF ETIWANDA WELL WATER
SAMPLED ON APRIL 18, 1985 FROM EAST AND CENTER WELLS

Parameter	East Well	Center Well
pH	7.92	7.95
EC, mmho/cm	0.32	0.31
Ca, mg/l	36.4	35.8
Mg, mg/l	5.90	5.86
Na, mg/l	15.8	16.9
K, mg/l	1.81	1.92
HCO_3, mg/l	146	152
Cl, mg/l	6.03	5.67
SO_4, mg/l	14.5	17.3
NO_3-N, mg/l	2.09	2.25

Trace Elements

Parameter	East Well	Center Well
As, mg/l	<0.0005	<0.0005
Ba, mg/l	0.055	0.055
B, mg/l	<0.2	<0.2
Cd, mg/l	<0.0001	<0.0001
Cr, mg/l	0.0026	0.0025
F, mg/l	0.2	0.2
Pb, mg/l	<0.005	<0.005
Se, mg/l	0.0006	0.0006
Hg, mg/l	<0.0005	<0.0005
Ag, mg/l	<0.0005	<0.0005
Si, mg/l	14.7	14.9
Sr, mg/l	0.254	0.255

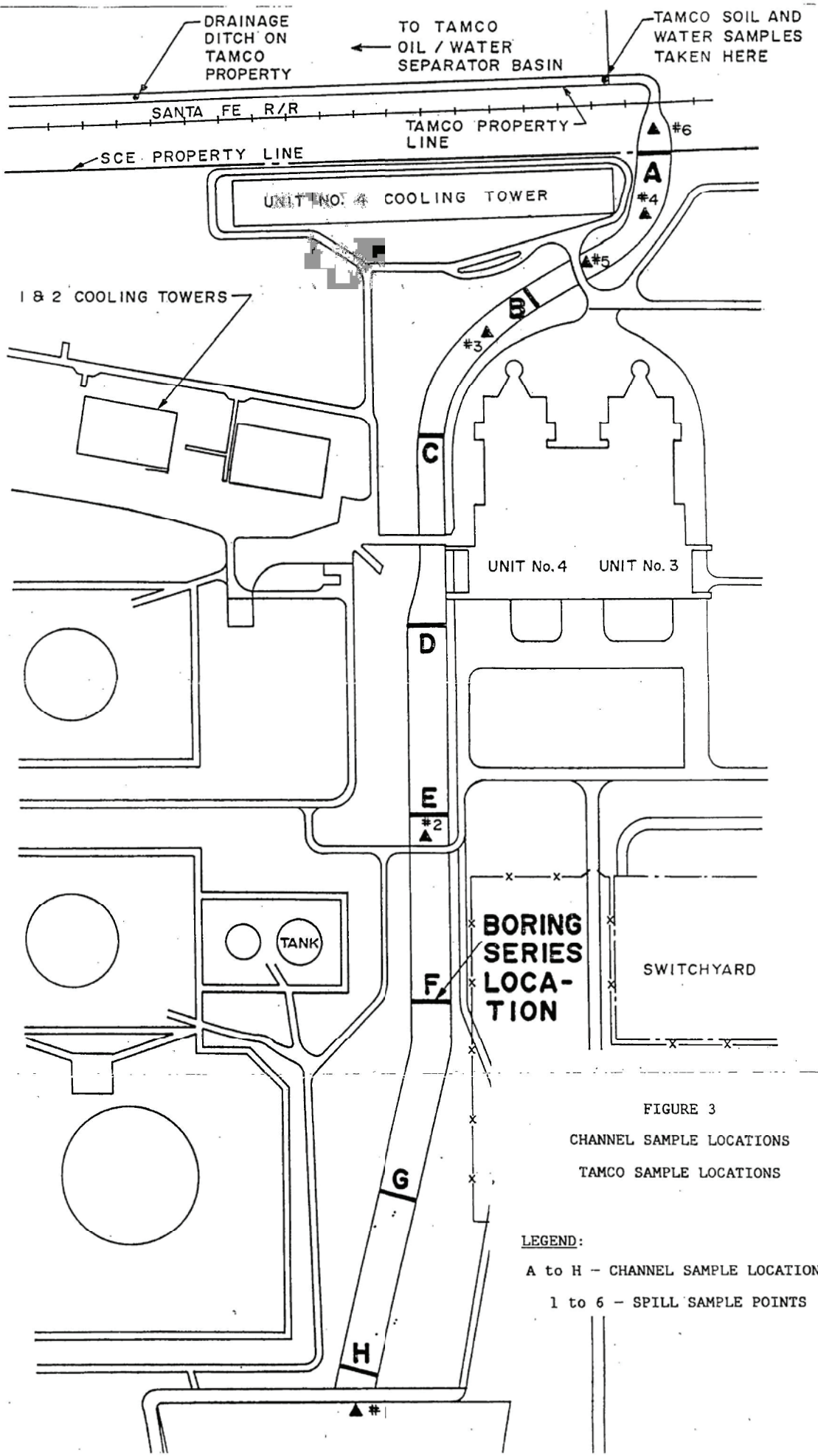


FIGURE 3

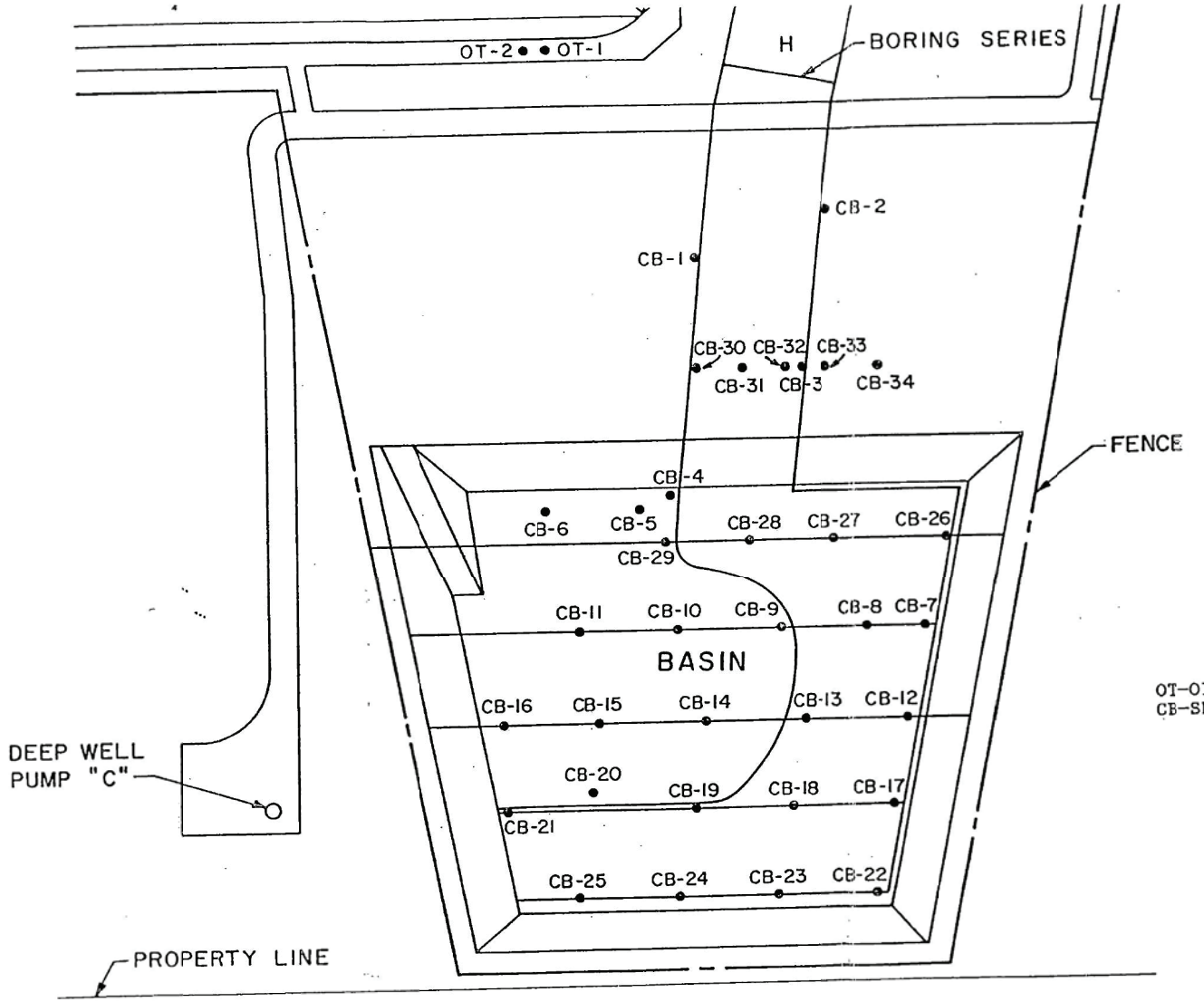
CHANNEL SAMPLE LOCATIONS

TAMCO SAMPLE LOCATIONS

LEGEND:

A to H – CHANNEL SAMPLE LOCATIONS

1 to 6 – SPILL SAMPLE POINTS



LEGEND:

OT–OIL TANK SAMPLE POINTS
CB–SPREADING BASIN SAMPLE POINTS

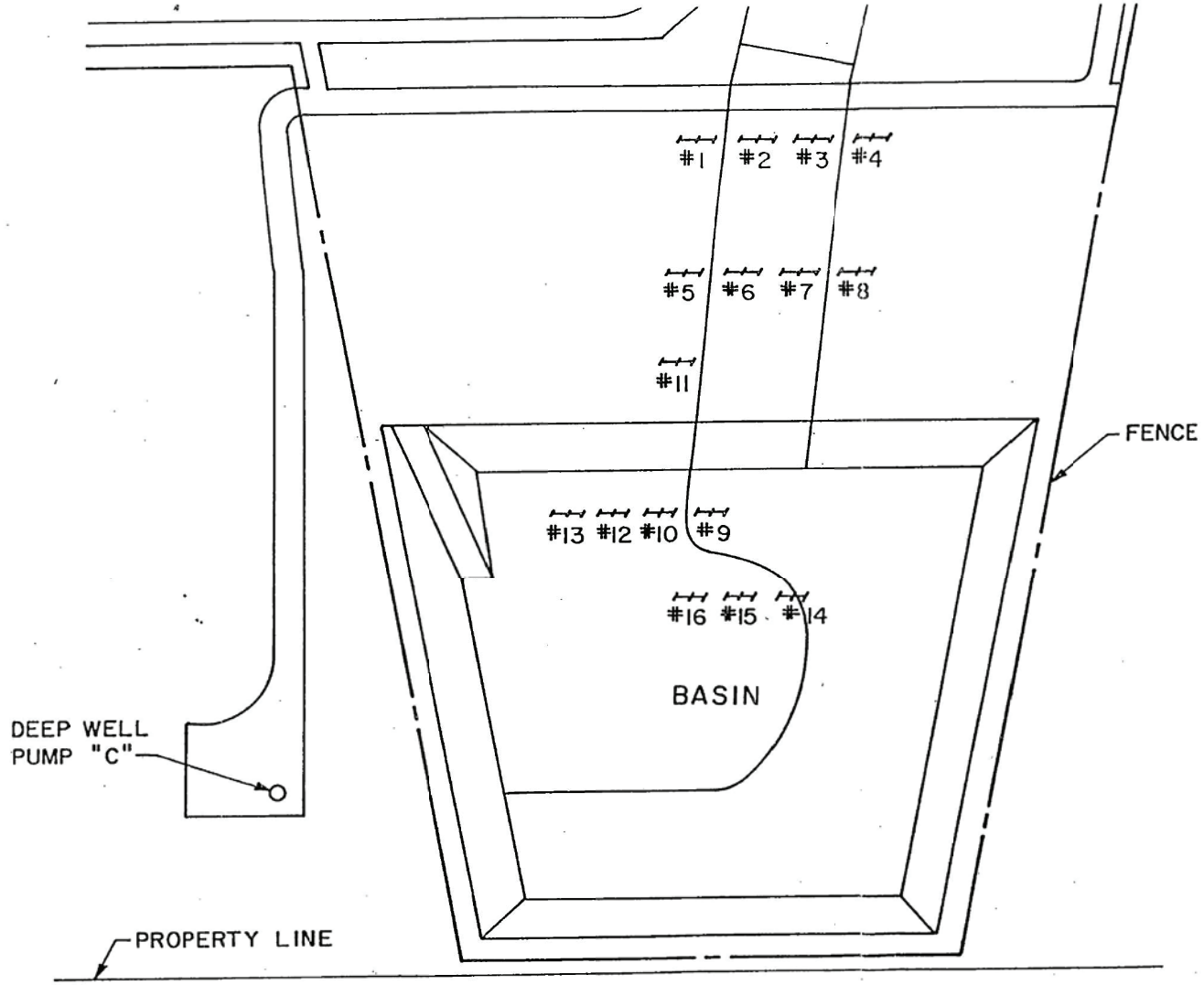
GRAPHIC SCALE

0 100 200 300 400 500 600

FIGURE 4

SPREADING BASIN SAMPLE LOCATIONS

OIL TANK SAMPLE LOCATIONS



GRAPHIC SCALE

0 100 200 300 400 500 600

LEGEND:

⊢⊣ – BACKHOE SAMPLE POINTS

FIGURE 5

BACKHOE SAMPLE LOCATIONS

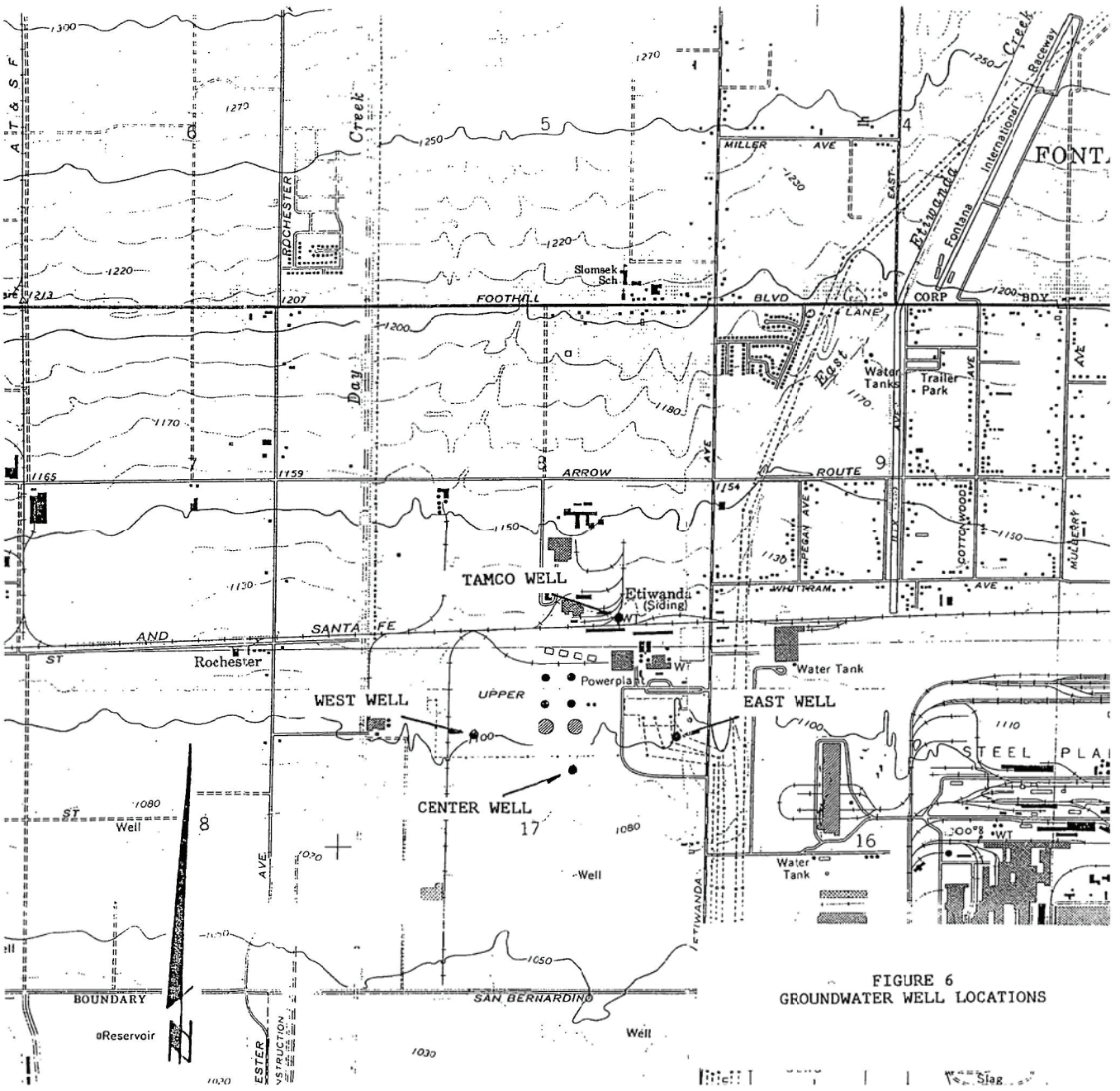


FIGURE 6
GROUNDWATER WELL LOCATIONS

FIGURE 9

SOUTHERN CALIFORNIA EDISON COMPANY

DECEMBER 23, 1983

ETIWANDA STEAM GENERATION
C/O RON KEAN
ETIWANDA

SUBJECT: HYDRAULIC TEST RESULTS - WEST WELL
ACCT: 4-00-34-000-0000
1/2 MI W/O ETIWANDA
DATE OF TEST:NOVEMBER 30,1983

IN ACCORDANCE WITH YOUR REQUEST, A TEST WAS MADE ON YOUR SUBMERSIBLE WELL PUMP ON THE DATE LISTED ABOVE. IF YOU HAVE ANY QUESTIONS REGARDING THE TEST RESULTS WHICH FOLLOW, PLEASE CONTACT D. R. KNISS, (714) 875-5100.

EQUIPMENT

PUMP: BJ NO: 262493
MOTOR: BJ 350.0 HP NO: 262493
METER: 4KVBOSS
HYDRAULIC TEST REFERENCE NUMBER:

TEST RESULTS

DISCHARGE PRESSURE,PSI	32.0
STANDING WATER LEVEL,FT	391.9
DRAWDOWN,FT	14.9
DISCHARGE HEAD,FT	73.9
PUMPING WATER LEVEL,FT	406.8
TOTAL HEAD,FT	480.7
CAPACITY,GPM	1930.0
GPM PER FT DRAWDOWN	129.5
ACRE FT PUMPED IN 24 HRS	8.531
KW INPUT TO MOTOR	0.0
HP INPUT TO MOTOR	0.0
MOTOR LOAD(%)	0.0
MEASURED SPEED OF PUMP,RPM	
KWH PER ACRE FT	0.
OVERALL PLANT EFFICIENCY(%)	*******
CUSTOMER'S METER,GPM	2143

D. A. EASTMAN
DISTRICT MANAGER

FIGURE 8

SOUTHERN CALIFORNIA EDISON COMPANY

DECEMBER 23, 1983

ETIWANDA STEAM GENERATION
ETIWANDA STEAM GENERATION/RON

SUBJECT: HYDRAULIC TEST RESULTS - CENTER WELL
ACCT: 4-00-34-000-0000
1/4 MI W/O ETIWANDA
DATE OF TEST:NOVEMBER 30,1983

IN ACCORDANCE WITH YOUR REQUEST, A TEST WAS MADE ON YOUR SUBMERSIBLE WELL PUMP ON THE DATE LISTED ABOVE. IF YOU HAVE ANY QUESTIONS REGARDING THE TEST RESULTS WHICH FOLLOW, PLEASE CONTACT D. R. KNISS, (714) 875-5100.

EQUIPMENT

PUMP: BJ NO: 395598
MOTOR: BJ 350.0 HP NO: 395598
METER: 4KV BUSS
HYDRAULIC TEST REFERENCE NUMBER:

TEST RESULTS

DISCHARGE PRESSURE,PSI	29.6
STANDING WATER LEVEL,FT	387.0
DRAWDOWN,FT	43.8
DISCHARGE HEAD,FT	68.4
PUMPING WATER LEVEL,FT	430.8
TOTAL HEAD,FT	499.2
CAPACITY,GPM	1917.0
GPM PER FT DRAWDOWN	43.8
ACRE FT PUMPED IN 24 HRS	8.473
KW INPUT TO MOTOR	0.0
HP INPUT TO MOTOR	0.0
MOTOR LOAD(%)	0.0
MEASURED SPEED OF PUMP,RPM	
KWH PER ACRE FT	0.
OVERALL PLANT EFFICIENCY(%)	*******
CUSTOMER'S METER,GPM	1977

D. A. EASTMAN
DISTRICT MANAGER

FIGURE 7

SOUTHERN CALIFORNIA EDISON COMPANY

DECEMBER 23, 1983

ETIWANDA STEAM GENERATION
ETIWANDA STEAM GENERATION/RON

SUBJECT: HYDRAULIC TEST RESULTS - EAST WELL
ACCT: 4-00-34-000-0000
100FT S/O PLANT & ET1
DATE OF TEST:NOVEMBER 30,1983

IN ACCORDANCE WITH YOUR REQUEST, A TEST WAS MADE ON YOUR SUBMERSIBLE WELL PUMP ON THE DATE LISTED ABOVE. IF YOU HAVE ANY QUESTIONS REGARDING THE TEST RESULTS WHICH FOLLOW, PLEASE CONTACT D. R. KNISS, (714) 875-5100.

EQUIPMENT

PUMP: BJ NO: 265847
MOTOR: BJ 350.0 HP NO: 265847
METER: 4KV BUS
HYDRAULIC TEST REFERENCE NUMBER:

TEST RESULTS

DISCHARGE PRESSURE,PSI	27.0
STANDING WATER LEVEL,FT	382.2
DRAWDOWN,FT	20.9
DISCHARGE HEAD,FT	62.4
PUMPING WATER LEVEL,FT	403.1
TOTAL HEAD,FT	465.5
CAPACITY,GPM	2137.0
GPM PER FT DRAWDOWN	102.2
ACRE FT PUMPED IN 24 HRS	9.446
KW INPUT TO MOTOR	0.0
HP INPUT TO MOTOR	0.0
MOTOR LOAD(%)	0.0
MEASURED SPEED OF PUMP,RPM	
KWH PER ACRE FT	0.
OVERALL PLANT EFFICIENCY(%)	*******
CUSTOMER'S METER,GPM	2290

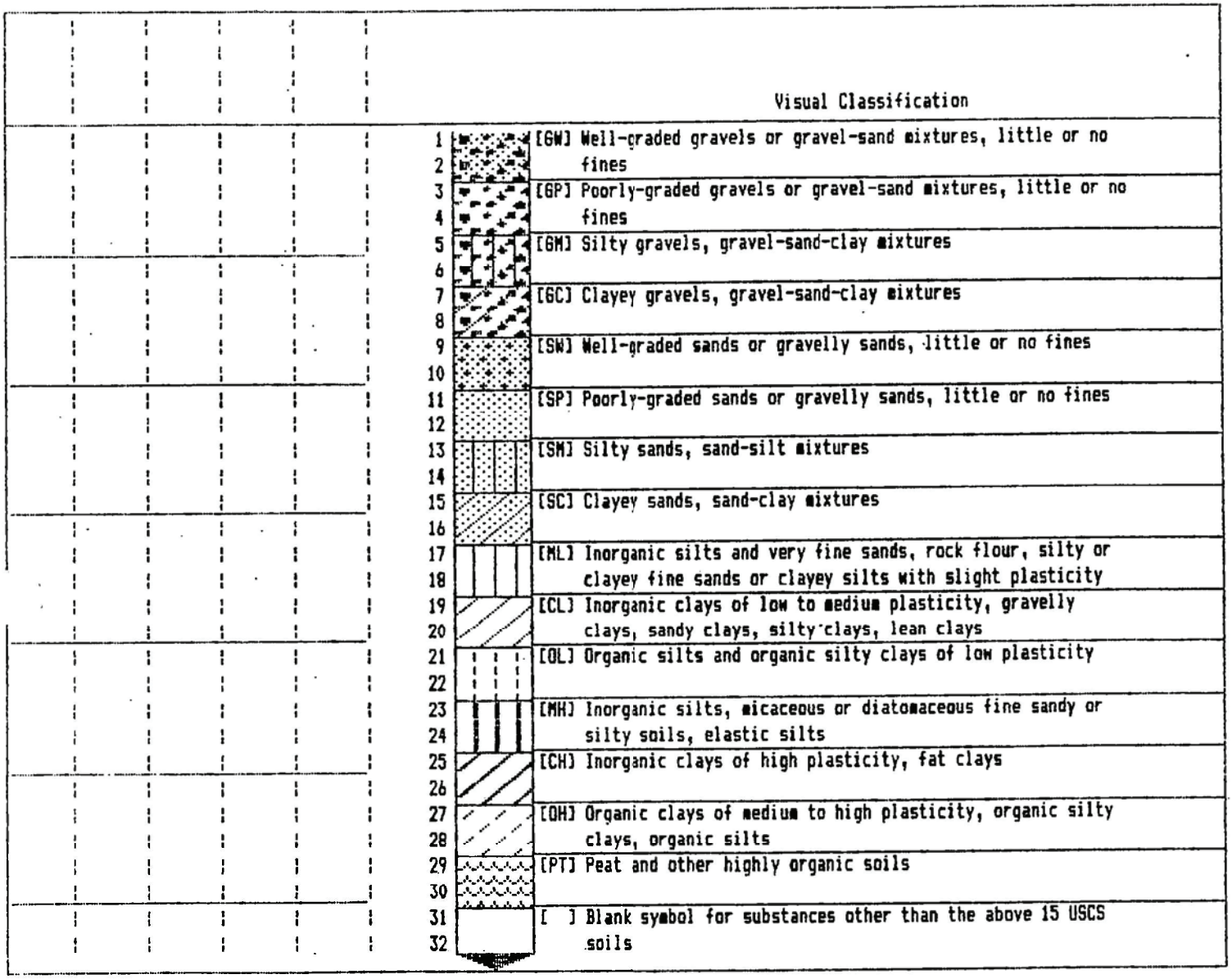
D. A. EASTMAN
DISTRICT MANAGER

APPENDIX B

UNIFIED SOILS CLASSIFICATION SYSTEM

	Visual Classification
1 2	[GW] Well-graded gravels or gravel-sand mixtures, little or no fines
3 4	[GP] Poorly-graded gravels or gravel-sand mixtures, little or no fines
5 6	[GM] Silty gravels, gravel-sand-clay mixtures
7 8	[GC] Clayey gravels, gravel-sand-clay mixtures
9 10	[SW] Well-graded sands or gravelly sands, little or no fines
11 12	[SP] Poorly-graded sands or gravelly sands, little or no fines
13 14	[SM] Silty sands, sand-silt mixtures
15 16	[SC] Clayey sands, sand-clay mixtures
17 18	[ML] Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
19 20	[CL] Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
21 22	[OL] Organic silts and organic silty clays of low plasticity
23 24	[MH] Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
25 26	[CH] Inorganic clays of high plasticity, fat clays
27 28	[OH] Organic clays of medium to high plasticity, organic silty clays, organic silts
29 30	[PT] Peat and other highly organic soils
31 32	[ ] Blank symbol for substances other than the above 15 USCS soils

UNIFIED SOILS CLASSIFICATION SYSTEM



	Visual Classification
1 2	[GW] Well-graded gravels or gravel-sand mixtures, little or no fines
3 4	[GP] Poorly-graded gravels or gravel-sand mixtures, little or no fines
5 6	[GM] Silty gravels, gravel-sand-clay mixtures
7 8	[GC] Clayey gravels, gravel-sand-clay mixtures
9 10	[SW] Well-graded sands or gravelly sands, little or no fines
11 12	[SP] Poorly-graded sands or gravelly sands, little or no fines
13 14	[SM] Silty sands, sand-silt mixtures
15 16	[SC] Clayey sands, sand-clay mixtures
17 18	[ML] Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
19 20	[CL] Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
21 22	[OL] Organic silts and organic silty clays of low plasticity
23 24	[MH] Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
25 26	[CH] Inorganic clays of high plasticity, fat clays
27 28	[OH] Organic clays of medium to high plasticity, organic silty clays, organic silts
29 30	[PT] Peat and other highly organic soils
31 32	[ ] Blank symbol for substances other than the above 15 USCS soils

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
un-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: A
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–5	[SW] Black layer of sands and gravels on top, then medium to coarse sands below, rust colored.
6–10	More gravels, less rust color.
11–20	[SM] Brown-olive sandy silts, damp,
21–45	[ML] Dense brown silt, slightly damp, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: A
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
47	
48	
49	
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52	
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57	[SM] Brown sandy silts, no obvious contamination.
58	
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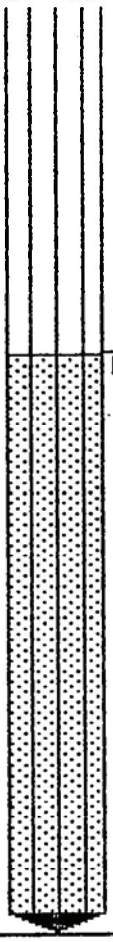

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: A
Boring Number: 2
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–15	[SW] Coarse brown-gray sands,damp, no obvious contamination.
16–20	[SM] Brown silty sands, sand fraction fine,damp no obvious contamination.
21–45	Brown sandy silts, dense,slightly damp, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: A
Boring Number: 2
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
47	
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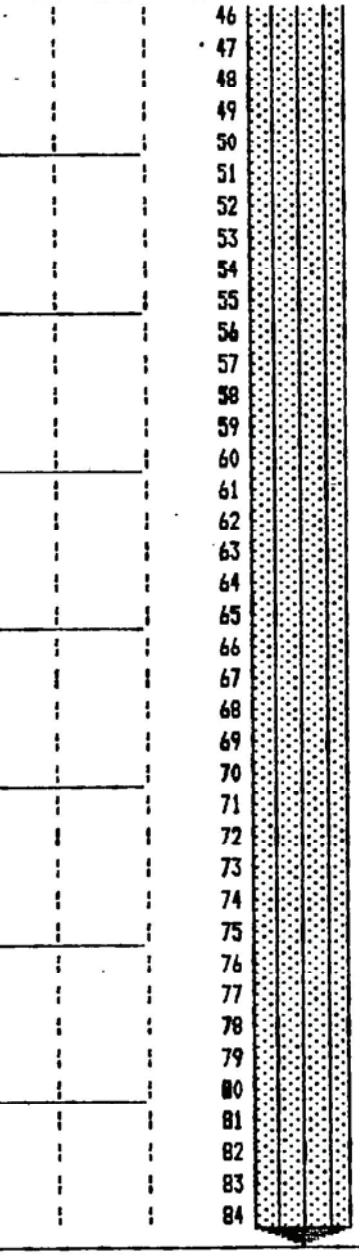

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: A
Boring Number: 3
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–10	[SP] Black and grey gravelly sands, damp, no odor
11–23	Olive-brown gravelly sands, no obviuous contamination.
24–45	[SM] Red-brown to brown silts and sandy silts, no obvous contamination.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: A
Boring Number: 3
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
47	
48	
49	
50	
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52	
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58	
59	
60	
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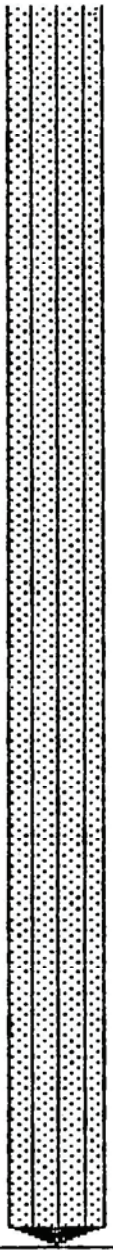


Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: B
Boring Number: 2
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–10	[SW] Grey fine sands, some cobbles, no obvious contamination.
11–35	[SM] Dark brown sandy silts or silty sands, damp,no contamination.
36–45	Noticably more damp.

Log Continued on Next Page

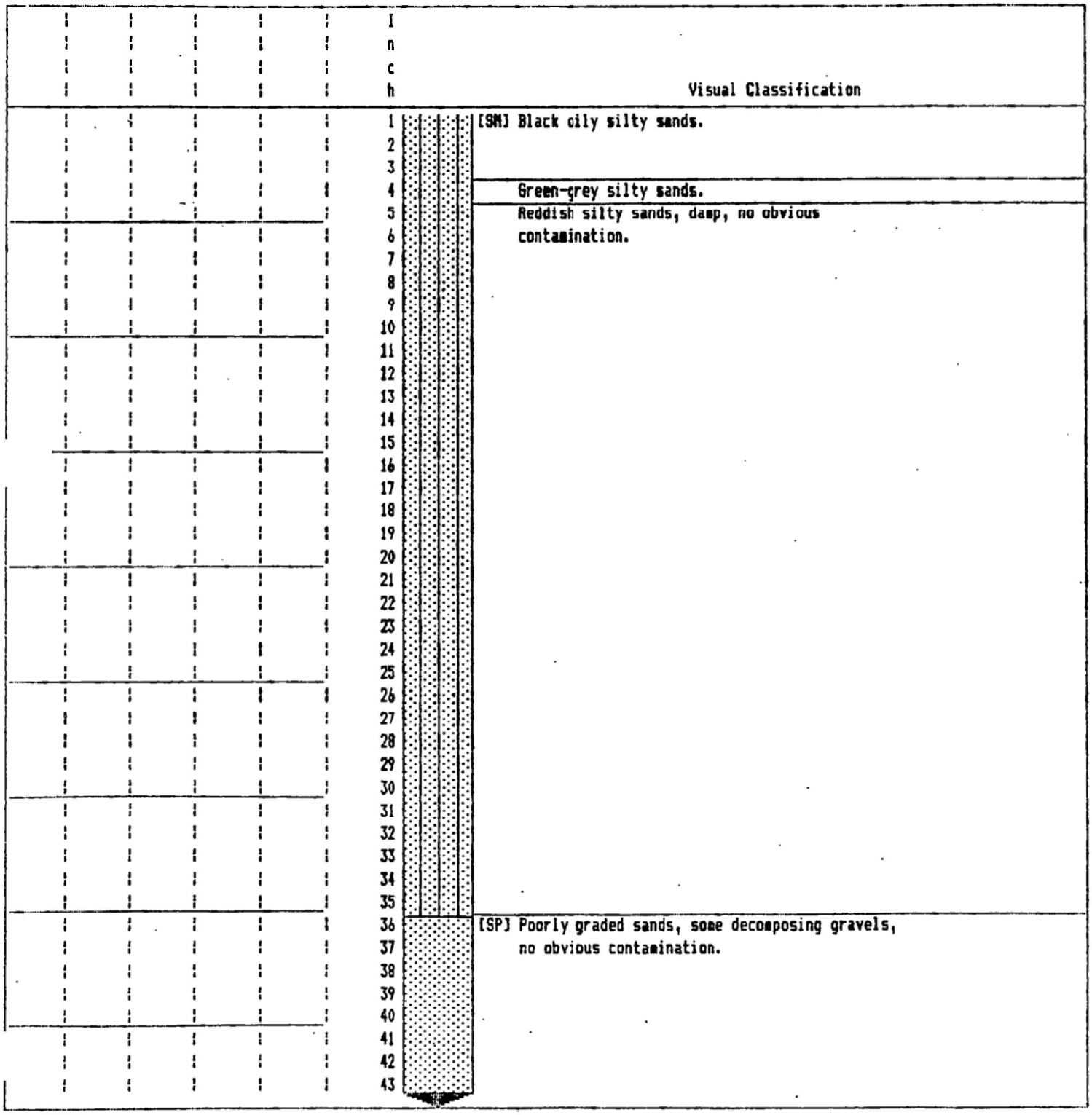
Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Saeples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: B
Boring Number: 2
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

					Inch	Visual Classification
					46	
					47	
					48	

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C. L. Buril
Samples Taken By: C.L. Buril
Date Drilled: 4-5-85

Boring Letter: C
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril



Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

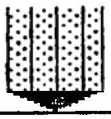
Boring Letter: C
Boring Number: 2
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–5	[SM] Reddish brown fine sands and silts, no obvious contamination.
6–15	Some gravels present.
16–25	Tan to olive-brown sands and silts, no obvious contamination.
26–45	Olive-brown silty sands, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: C
Boring Number: 2
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

					Inch	Visual Classification
					46	
					47	
					48	

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: C
Boring Number: 3
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–23	[SP] Poorly graded, reddish brown sands, slightly damp, no obvious contamination. Somewhat more damp, some gravels present.
24–45	[SW] Fairly well sorted sands, brown, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: C
Boring Number: 3
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

					Inch	Visual Classification
					46	
					47	
					48	

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-5-85

Boring Letter: D
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1	[SM] Black, oily sands and silts.
10	Grey-green sands and silts.
11	[SP] Tan to brown poorly graded sands, no obvious contamination.
26	Siltier than previous samples.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson]
Date Drilled: 4-5-85

Boring Letter: D
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

					Inch	Visual Classification
					46	
					47	
					48	
					49	
					50	
					51	
					52	
					53	
					54	
					55	
					56	
					57	
					58	
					59	
					60	
					61	
					62	
					63	
					64	
					65	
					66	

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: D
Boring Number: 2
Drilling Contractor: Datue Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1	[SM] Striated sands and silts of black and reddish brown color,
2	
3	Black, oily sands and silts.
4	
5	
6	Grey-green sands and silts.
7	
8	[SP] Poorly sorted tan sands, some gravels and cobbles present,
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	[SM] Sharp transition to brown silty sands, damp.
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
un-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: D
Boring Number: 2
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
47	
48	Poorly sorted sands and silts, brown, damp.
49	higher fraction of silt present.
50	
51	
52	
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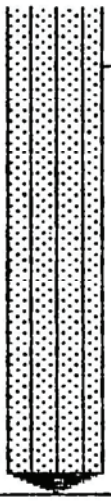


Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

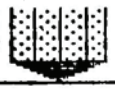
Boring Letter: D
Boring Number: 3
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–11	[SP] Grey-green poorly graded sands, not much oil.
12–45	[SM] Sharp transition to reddish brown sands, dry no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
un-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: D
Boring Number: 3
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

					Inch	Visual Classification
					46	
					47	

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Station
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R. M Goodson
Date Drilled: 4-8-85

Boring Letter: D
Boring Number: 4
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–5	[SM] Grey-green sands and silts, some streaks of black.
6–24	[SP] Poorly sorted sands with some gravels, no obvious contamination.

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: D
Boring Number: 5
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1	[SP] Poorly graded sands, some gravels and silts, damp,
2	no obvious contamination.
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
un-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-5-85

Boring Letter: D-A
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–5	[SM] Oily black sands and silts.
6	Grey green sands and silts.
7–21	[SP] Poorly graded sands,reddish brown in color.
22–45	[SM] Tan silty sands

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
un-site Engineer: C.L. Buril
Saeples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-5-85

Boring Letter: D-A
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
47	
48	
49	
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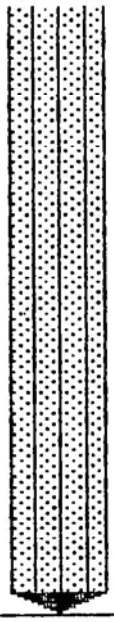

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
...-site Engineer: C.L. Buril
Saaples Taken By: C.L. Buril/R. M. Goodson
Date Drilled: 4-5-85

Boring Letter: E
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–5	[SW] Brown sands with some surface stains
6–7	Black oily sands
8–10	Less staining noticed in sands, almost clean.
11	Black oily sands
12–32	[SP] Poorly graded sands,bbrown,some gravels,damp,no obvious contamonation.
33–45	[SM] Sharp transition to reddish brown silty sands,damp,no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R. M. Goodson
Date Drilled: 4-5-85

Boring Letter: E
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
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57	
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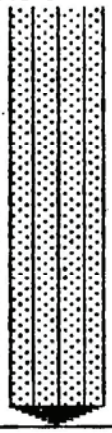

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-5-85

Boring Letter: E
Boring Number: 2
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–11	[SW] Dry tan sands.
12–39	[SP] Tan, coarse grained, poorly graded sands, dry, no obvious contamination, some crumbly cobbles.
40–45	[SM] Brown silty sands, slightly damp, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-5-85

Boring Letter: E
Boring Number: 2
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
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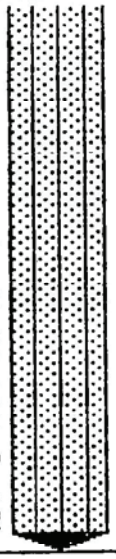


Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-5-85

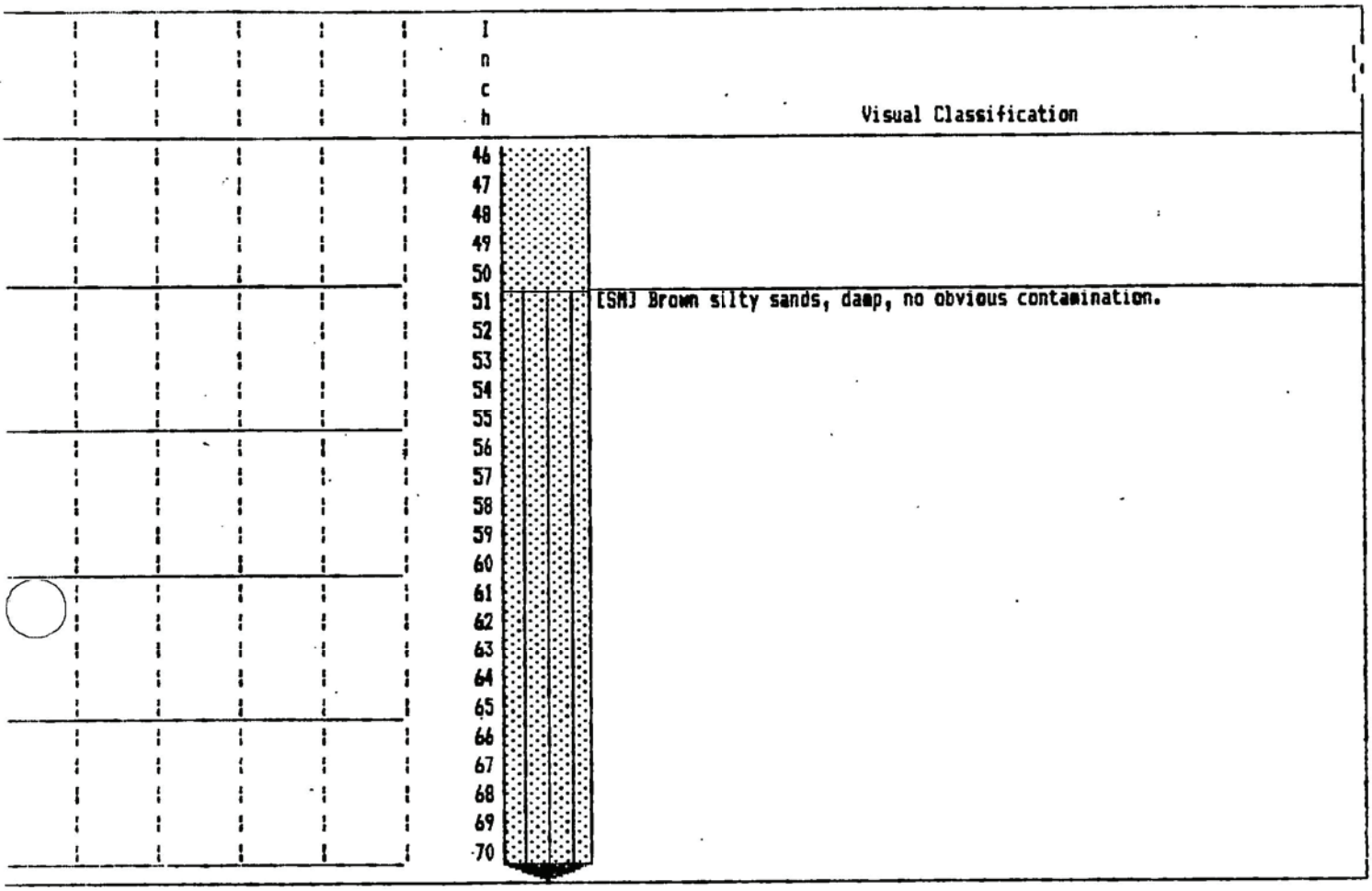
Boring Letter: E
Boring Number: 3
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–5	[SP] Olive poorly graded sands, slightly damp, no obvious contamination.
6–45	Reddishbrown sands, poorly sorted, slightly damp, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
Site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-5-85

Boring Letter: E
Boring Number: 3
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril



Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: G
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–16	[SP] Red-brown sands, damp, some black stains at the surface.
17–23	[SM] Grey-green silty sands, very damp, no obvious contamination.
24–45	[SW] Brown coarse sands, some gravels, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: G
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
47	
48	
49	[SM] Brown fine sands and silts, damp, no obvious contamination.
50	
51	
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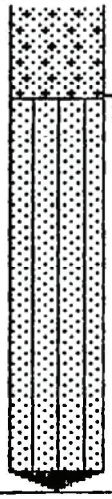

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: G
Boring Number: 2
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1	[SW] Olive tan well graded sands, slightly damp, no obvious contamination.
2	
3	
4	
5	
6	
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Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: G
Boring Number: 3
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1	[SM] Dark brown sands and silts, no obvious contamination.
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
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Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: G
Boring Number: 3
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
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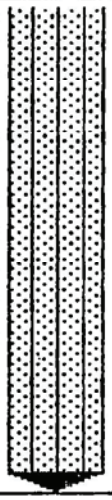

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: H
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L.Buril

Inch	Visual Classification
1	[SP] Oily black sands and gravels
2	Clean reddish brown sands, poorly graded, damp.
3	
4	
5	
6	Oily black sands and gravels.
7	
8	
9	
10	
11	
12	
13	
14	
15	Grey-green sands,poorly graded.
16	
17	Reddish brown sands, poorly graded, no obvious
18	contamination.
19	
20	
21	
22	
23	
24	Dark brown, poorly graded sands, damp, no
25	obvious contamination.
26	
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Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: H
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L.Buril

Inch	Visual Classification
46	
47	
48	[SM] Dark brown silty sands, no obvious contamination.
49	
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51	
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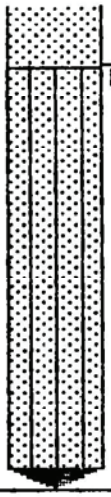

Job Name: Etiwanda Drainage Ditch
Job Location: EWtiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: H
Boring Number: 2
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
47	
48	[SP] Poorly graded coarse sands with some gravels,
49	grey in color, no obvious contamination.
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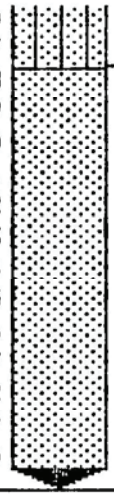

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril
Date Drilled: 4-8-85

Boring Letter: H
Boring Number: 3
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1	[SP] Grey-brown poorly graded sands with some gravels,
6	Greyish color sands, may have had some oil in them in the past.
9	[SM] Brown silty sands, damp.
24	[SP] Brown poorly graded dry sands, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril
Date Drilled: 4-8-85

Boring Letter: H
Boring Number: 3
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

					Inch	Visual Classification
					46	
					47	
					48	

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Station
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: H
Boring Number: 4
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–23	[SW] Brown well graded sands, dry, no obvious contamination.
24–45	[SM] Brown silty sands, some large gravels, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Station
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: H
Boring Number: 4
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

					Inch	Visual Classification
					46	
					47	
					48	

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
...-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: OT
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L.Buril

Inch	Visual Classification
1	[SP] Tan poorly graded sands, dry, some gravels.
2	
3	
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5	
6	Brown poorly graded sands, slightly damp.
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Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
...-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-8-85

Boring Letter: OT
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L.Buril

Inch	Visual Classification
46	
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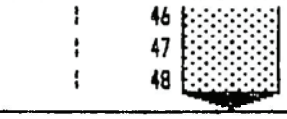
48	



Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: OT
Boring Number: 2
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1	[ ] Asphalt top.
2	
3	[SM] Brown silty sands, slightly damp, no obvious
4	contamination.
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Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: OT
Boring Number: 2
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
47	
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Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: DT
Boring Number: 2
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

					Inch	Visual Classification
					91	
					92	
					93	
					94	
					95	
					96	
					97	
					98	
					99	
					100	
					101	
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					118	
					119	
					120	

Job Name: Etiwanda Drainage itch
Job Location: Etiwanda Generating Sta.
-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-9-85

Boring Letter: CB
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–23	[SW] Brown well graded sands, damp.
24–45	[SM] Reddish brown silty sands, damp, no obvious containation.

Log Continued on Next Page

Job Name: Etiwanda Drainage itch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-9-85

Boring Letter: CB
Boring Number: 1
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
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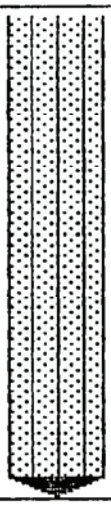

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-9-85

Boring Letter: CB
Boring Number: 2
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–5	[SP] Poorly graded grey sands, damp, fine grained, no obvious contamination.
6–7	Black oily sands with high debri content.
8–15	Poorly graded grey sands, damp.
16–23	Reddish-brown poorly graded sands, damp, no obvious contamination
24–40	[SM] Reddish-brown fine silty sands, damp, no obvious cotamination.
41–45	Silty sands with a distinct green coloration, some oxidation streaks present.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
n-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 4-9-85

Boring Letter: CB
Boring Number: 2
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

				I n c h	Visual Classification
				46	
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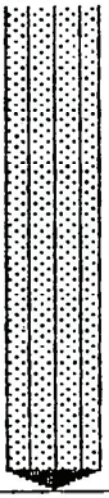

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M> Goodson
Date Drilled: 4-9-85

Boring Letter: CB
Boring Number: 3
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–5	[SP] Poorly graded grey green sands, some oxidation streaks present, damp.
3	Lense of black oily sands
4–5	Poorly graded brown sands,damp.
6–25	Very oily black sands, wet with oil, strong odor present.
26–35	[SM] Grey-green silty sands, damp
36–45	Higher fines content than before, plastic, may contain some clays.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
-site Engineer: C.L. Buril
Saaples Taken By: C.L. Buril/R.M> Goodson
Date Drilled: 4-9-85

Boring Letter: CB
Boring Number: 3
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–83	
84–90	[SP] Poorly graded grey-green sands, damp.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M> Goodson
Date Drilled: 4-9-85

Boring Letter: CB
Boring Number: 3
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91–107	
108	[SM] Gentle gradation to greenish-brown silty sands.
109–135	

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M> Goodson
Date Drilled: 4-9-85

Boring Letter: CB
Boring Number: 3
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
136	
137	
138	
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142	
143	
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155	
156	[SW] Tan sands , slightly damp.
157	
158	
159	
160	
161	
162	
163	
164	
165	
166	
167	
168	

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-6-85

Boring Letter: CB
Boring Number: 4
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–20	[SP] Lenticular deposits of tan to brown sands and silts, dry to slightly damp.
21–45	Brown sands and silts, no obvious contamination.
40	Noted very damp soil at this point

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-6-85

Boring Letter: CB
Boring Number: 4
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
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Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
Onsite Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-6-85

Boring Letter: CB
Boring Number: 4
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
94	
95	
96	
97	
98	
99	
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101	
102	
103	
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135	

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-6-85

Boring Letter: CB
Boring Number: 4
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

					Inch	Visual Classification
					136	
					137	
					138	
					139	
					140	
					141	
					142	
					143	
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Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-6-85

Boring Letter: CB
Boring Number: 5
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1	[SW] Dark brown sands
2	
3	Many striations present, some black some varying
4	colors of brown.
5	
6	
7	
8	
9	
10	
11	
12	Grey sands
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	Lense of dark sands
28	
29	Striated soils of black, grey and brown, most
30	striations are 1/8 inch or less thick.
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	[SP] Dark brown poorly graded sands, damp.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-6-85

Boring Letter: CB
Boring Number: 5
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–54	
55	[ML] Dark grey and black silts, very oily.
56–73	
74	[SM] Reddish-brown sands and silts, no obvious contamination layer above appears to be perched on this layer.
75–90	

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
...-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-6-85

Boring Letter: CB
Boring Number: 5
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

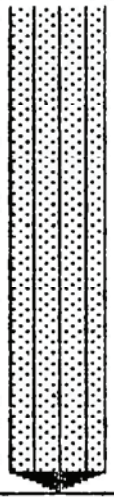
Feet	Visual Classification
91–95	
96–100	
101–105	
106–107	
108–110	Brown sands and silts, slightly damp.
111–115	
116–120	
121–125	
126–130	
131–135	

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-6-85

Boring Letter: CB
Boring Number: 5
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

				Inch	Visual Classification
				136	
				137	
				138	
				139	
				140	
				141	
				142	
				143	
				144	
				145	
				146	
				147	
				148	
				149	
				150	



Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-6-85

Boring Letter: CB
Boring Number: 6
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1	[SM] Brown sands and silts, no obvious contaminaton.
2	
3	
4	
5	
6	
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35	
36	Dark brown silty sands, no obvious contamination.
37	
38	
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40	
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43	
44	
45	

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-6-85

Boring Letter: CB
Boring Number: 6
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–71	
72–84	[SP] Reddish sands.
85–90	[SW] Well graded olive to tan sands, very damp.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-6-85

Boring Letter: CB
Boring Number: 6
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91–95	
96	
97–100	[ML] Olive to tan silts, hard, dense, slightly damp.
101–135	

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-6-85

Boring Letter: CB
Boring Number: 6
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
136	
137	
138	
139	
140	
141	
142	
143	
144	
145	



Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 7
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–11	[SM] Oily sands and silts, damp.
12–21	[SW] Well graded brown sands, damp.
22–35	Dark grey to black sands, strong odor, damp.
36–45	Grey-green sands with some oil present.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 7
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
47	
48	[SM] Tan to brown sands and silts, damp, no obvious contamination.
49	
50	
51	
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83	
84	[SW] Tan sands with some decomposing gravels, no obvious contamination.
85	
86	
87	
88	
89	
90	

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
...-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 7
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
94	
95	
96	
97	
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103	
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Job Name: Etiwanda Drainage Sta.
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 8
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–5	[SM] Decomposing organic matter with sands and silts.
6–11	[SP] Tan to brown sands.
12–35	[SM] Grey-green sands and silts, slightly damp.
36–45	Olive sands and silts

Log Continued on Next Page

Job Name: Etiwanda Drainage Sta.
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 8
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–59	
60	[SW] Black lense of sand.
61–70	[SM]
71–90	Reddish-brown sands and silts, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drainage Sta.
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 8
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
94	
95	
96	Tan sands and silts, some gravels present, no obvious contamination.
97	
98	
99	
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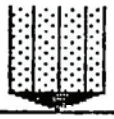
135	

Log Continued on Next Page

Job Name: Etiwanda Drainage Sta.
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 8
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

					Inch	Visual Classification
					136	
					137	
					138	



Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
...-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 9
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–10	[SW] Olive sands, slightly damp.
11–12	Lense of black sands.
13–20	Olive sands, slightly damp.
21–35	Black oily sands, strong odor.
36–45	[SM] Olive sands and silts, no odor.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
...-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 9
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–65	
66–70	[ML] Dark olive silts
71–75	Black silt lense.
76–79	
80–89	[SM] Reddish-brown silts and sands, no obvious contamination.
90	[SW] Tan sands and decomposing gravels, no obvious contamination

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
-site Engineer: C.L. Buril
Saaples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 9
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

					Inch	Visual Classification
					91	
					92	
					93	
					94	
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					96	
					97	
					98	
					99	
					100	
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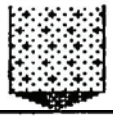
					133	
					134	
					135	

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 9
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

					Inch	Visual Classification
					136	
					137	
					138	

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 10
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–23	[SP] Brown to grey sands, slightly damp, no obvious contamination.
24–45	[SM] Dark olive silty sands, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 10
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–67	
68–90	Reddish-brown sands and silts, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 10
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
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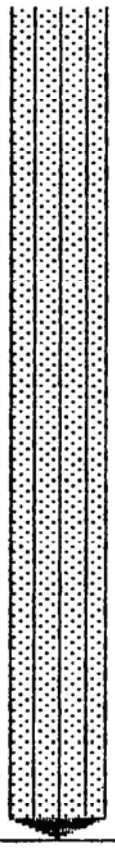

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 11
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1	[SP] Tan and grey sands, dry, some oxidation streaks, no obvious contamination.
26	[SM] Dark grey sandy silts, damp.
36	Dark grey sands and silts interbedded, damp, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 11
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–84	Brown sands and silts, no obvious contamination.
85–90	

Log Continued on Next Page

Job Name: Etiwanda Drainage Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 11
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
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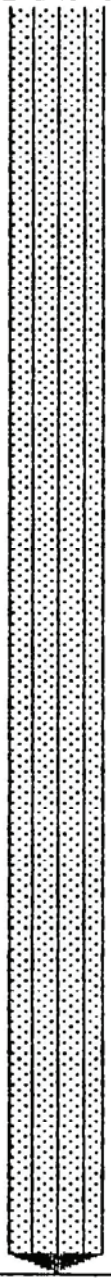

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 12
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–15	[SP] Brown, damp sands, no obvious contamination.
16–30	Dark grey-olive sands, some signs of contamination.
31–40	Oily black sands, odorous, slightly damp.
41–45	Grey-green sands, odorous, damp, some black streaks.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 12
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–55	
56–57	
57–80	[SM] Red-brown sandy silt or silty sands, dense, cohesive, no obvious contamination.
81–90	Dark red-brown sands, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 12
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	[SP] Transition to poorly sorted sands, brown to tan, slightly damp, no obvious contamination.
94	
95	
96	
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Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 13
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–7	[SW] Light brown sands, dry, some black striations.
8–12	[OL] Dark brown silts, decomposing organic matter.
13–26	[SP] Light brown sands, slightly damp.
27–36	[SM] Dark grey sands and silts, odorous, damp, cohesive.
37–45	[SP] Grey-green sands, slightly damp, slightly odorous.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 13
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

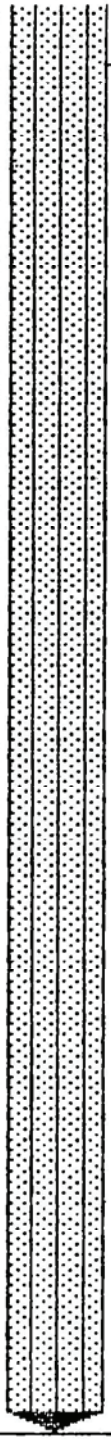
Inch	Visual Classification
46–56	
57–64	[ML] Grey-green silts, slightly odorous, damp, cohesive
65–74	[SM] Grey-green sands and silts, damp, very slight odor. Lense of tar-like black material.
75–90	Red-brown sandy silts, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-7-85

Boring Letter: CB
Boring Number: 13
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91–94	Brown silts and sands, some decomposing gravels, damp, no obvious contamination.
95–135	



Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-8-85

Boring Letter: CB
Boring Number: 14
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–5	[OL] Dark brown sandy silts, much decaying organic matter, no obvious contamination.
6–45	[SP] Olive-grey to tan silty sands, poorly sorted, no obvious contamination

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-8-85

Boring Letter: CB
Boring Number: 14
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–60	
61–75	[SM] Olive colored sands and silts, some gravels, slightly damp, no obvious contamination.
76–90	Red-brown silty sands, damp, some gravels, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-8-85

Boring Letter: CB
Boring Number: 14
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
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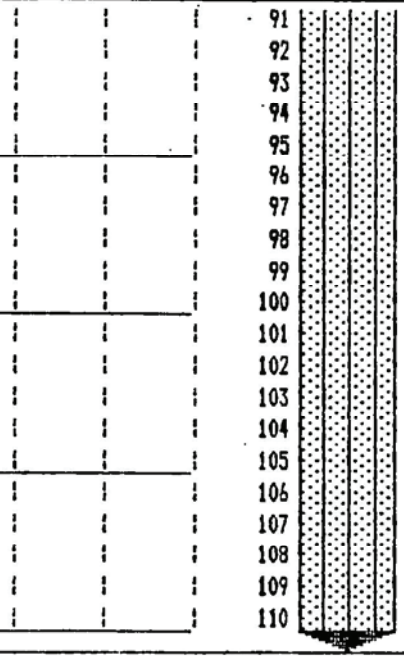

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-8-85

Boring Letter: CB
Boring Number: 15
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–8	[SP] Light tan sands with decaying organic matter mixed in, dry, no obvious contamination.
9–12	[OL] Dark olive silts with much organic material, some black coloration noted.
13–20	[SM] Olive-grey sands and silts, slightly damp, noted several dark striations.
21–35	Slightly darker olive coloration.
36–45	Red-brown silts and sands, dense, cohesive, slightly damp.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-8-85

Boring Letter: CB
Boring Number: 15
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–55	
56–70	Olive grey silty sands, damp, cohesive, no obvious contamination.
71–87	Brown sands and silts, damp, no obvious contamination.
88–90	[ML] Red-brown silts and sandy silts, slightly damp, dense, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-8-85

Boring Letter: CB
Boring Number: 15
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
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Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
n-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-8-85

Boring Letter: CB
Boring Number: 16
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–8	[SM] Brown to grey sands and silts, high organic content.
9–12	[SP] Grey to olive sands, slightly damp, no odor.
13–22	[ML] Striated grey and black silts, some black globules, some odor.
23–35	[SM] Grey and brown interbedded sands and silts,some odor, some odor.
36–39	Showing gradual transition to brown sandy silts and sands, no obvious contamination.
40–45	Brown sands and silts, damp, slightly cohesive, no odor.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-8-85

Boring Letter: CB
Boring Number: 16
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–64	Noted darker brown or olive coloration.
65–84	[SW] Brown to olive sands, loosely packed, very damp, water appears to be perched on the next layer.
85–90	

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-8-85

Boring Letter: CB
Boring Number: 16
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91–110	
111	[ML] Red brown silts, dense, slightly damp, no obvious contamination.
112–132	



Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-8-85

Boring Letter: CB
Boring Number: 17
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–10	[SM] Dark brown to black sands and silts, muck decomposing organic matter.
11–14	[SW] Light tan to grey sands, slightly damp, medium grained, strange odor present.
15–18	[SM] Brown to olive sands and silts, damp.
19–20	Noted dark brown layer of organic material here

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-8-85

Boring Letter: CB
Boring Number: 17
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–48	
49–55	[SP] Olive sands and some silts, poorly graded, some gravels, very damp, some decomposing organic at next layer.
56–90	[ML] Red brown silts, slightly damp, no obvious contamination, some fine sands also mpresent.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-8-85

Boring Letter: CB
Boring Number: 17
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	[SM] Brown silty sand,damp, no obvious contamination.
93	
94	
95	
96	
97	
98	
99	
100	Brown sands with many decomposing gravels, slightly damp,
101	some silts, no obvious contamination.
102	
103	
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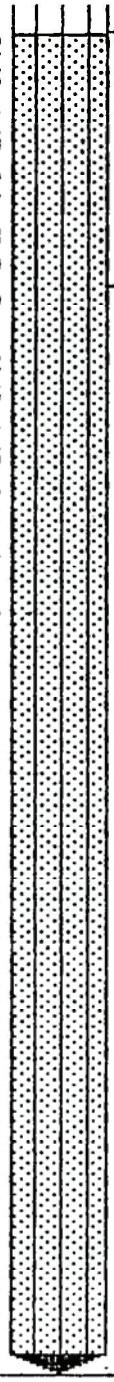

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-8-85

Boring Letter: CB
Boring Number: 18
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–8	[SM] Site located in pond bottom. Much decaying organic matter but no apparent oil. Dark grey, brown and black interbedded sands and silts, some oxidation streaks.
9–12	[ML] Striated silts, black, grey and olive coloration, damp, cohesive, no obvious contamination.
13–45	[SM] Olive sands and silts, damp, cohesive, no obvious contamination. Some oxidation streaks present 39 - 41 inches.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-8-85

Boring Letter: CB
Boring Number: 18
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–48	
49–50	Dark olive grey sands and silts, damp, cohesive, noted slight odor
51–55	
56–60	
57–63	Brown sandy silts, no obvious contamination.
64–65	[ML] Red-brown silt, slightly damp, dense, some coarse grained materials present, no obvious contamination.
66–90	

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-8-85

Boring Letter: CB
Boring Number: 18
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
94	
95	
96	
97	
98	
99	
100	
101	
102	
103	
104	[SM] Tan sands and silts, some gravels present, no
105	obvious contamination.
106	
107	
108	
109	
110	
111	
112	
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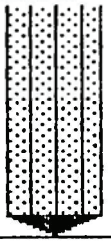
134	
135	

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-8-85

Boring Letter: CB
Boring Number: 18
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
136	
137	
138	
139	
140	
141	
142	



Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 19
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–5	[SM] Olive sands and silts, some asphalt chuncks noted in area.
6–45	Olive silts and sands, slightly different color than previous section, damp, cohesive, noted several areas where sands and silts were interbedded with gentle transitions between.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
n-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 19
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–50	
51–55	
56–60	
61–65	
66–70	
71–75	Red-brown sandy silt, dense, slightly damp, no obvious contamination.
76–80	
81–85	
86–90	

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 19
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
94	
95	
96	
97	
98	
99	
100	
101	
102	
103	
104	
105	Brown sands with some decomposing gravels, no obvious contamination.
106	
107	
108	
109	
110	
111	
112	
113	
114	
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Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
n-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 19
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

					Inch	Visual Classification
					136	
					137	
					138	
					139	
					140	

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 20
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–10	[SP] Tan sands, dry, no obvious contamination.
11–25	[SM] Interbedded olive sands and silts, slightly damp, some slight odor from this section.
25–30	Interbedded black, green, and grey-green sands and silts, strong odor present.
31–36	Red-brown sandy silts, damp, cohesive, some grey-green streaks running through this section.
37–45	[SP] Grey-green sands, some silts, no odors.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

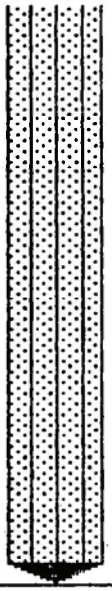
Boring Letter: CB
Boring Number: 20
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–56	
57–60	[SM] Brown sandy silts, no obvious contamination.
61–90	Brown sands and silts, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 20
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

				Inch	Visual Classification
				91	
				92	
				93	
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				108	

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 21
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–12	[SW] Tan to grey sands, dry, no obvious contamination.
13–16	[ ] Decomposing organic material.
17–24	[SM] Tan to brown sands and silts, no obvious contamination.
25–30	Grey-green or olive sandy silts, dense, slightly damp.
31–35	Thin lense of black material noted at this level.
36–45	Grey-green silts and fine sands, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 21
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
47	
48	
49	[ML] Grey-green silts, slightly damp.
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	[SM] Red-brown sandy silts, slightly damp, no obvious contamination.
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
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74	
75	
76	
77	
78	
79	
80	
81	[ML] Red-brown silts, slightly damp, no obvious contamination.
82	
83	
84	
85	
86	
87	
88	
89	
90	

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 21
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
94	
95	
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99	
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101	
102	
103	
104	
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106	
107	Noted higer fraction of sand present from here on down.
108	
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112	
113	
114	
115	
116	
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127	



Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 22
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1	[ ] Decomposing organic matter.
11	[SM] Tan silty sands, damp, some green streaks running through it, no obvious contamination.
43	[ML] Grey- green or olive silts, damp, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 22
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–56	
57–90	[SM] Brown sandy silts, dense, slightly damp, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 22
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
94	
95	
96	
97	[SP] Brown sands with some decomposing gravels, dry to slightly damp, no obvious contamination.
98	
99	
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Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
n-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 22
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
136	
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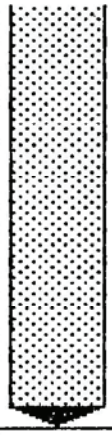
147	
148	



Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 23
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–18	[ML] Interbedded black and dark grey silts and organic matter, some odor.
19–45	[SM] Brown to grey silty sands, some thin layers of black material present. Black material has some odor.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 23
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
47	
48	Greenish silty sands with dark mottling toward the
49	this section.
50	
51	
52	Brown sandy silts, no obvious contamination.
53	
54	
55	
56	
57	
58	
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62	
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65	
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Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 23
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	[SP] Poorly sorted tan sands with some decomposing gravels,
94	no obvious contamination.
95	
96	
97	
98	
99	
100	
101	
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103	
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128	

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
n-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 24
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–9	[SM] Dark grey and black sands, silts and organic matter, no apparent contamination.
10–20	[SW] Light brown to grey sands, few fines, some streaks blackrunning through the section.
21–35	[SM] Grey, black, and brown interbedded sands and silts, some odor present.
36–45	Brown sands and silts, no apparent contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 24
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
47	
48	
49	[ML] Grey-green silts, damp, no odor.
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	[SM] Brown to olive sands and silts, damp, no odor.
60	
61	
62	
63	
64	
65	
66	
67	red-brown sandy silts, damp, no obvious contamination.
68	
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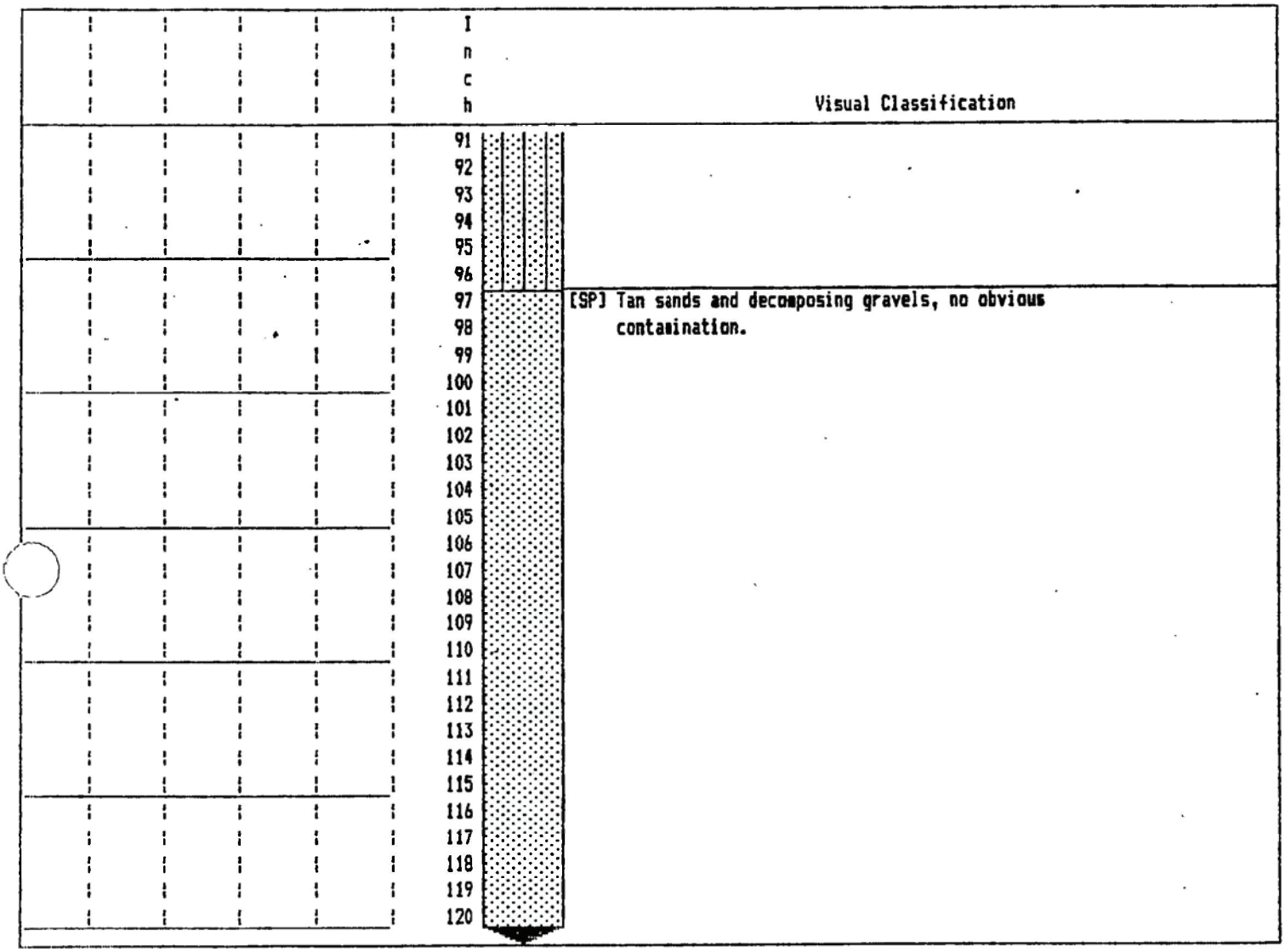
Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 24
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril



Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 25
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–10	[SM] Black to tan interbedded sands and silts, many striations.
11–35	Brown silty sands, no obvious contamination.
36–45	Olive silty sands, damp, loosely packed.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
In-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 25
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–48	
49–53	[SP] Light brown sands, damp, loosely packed.
54–72	[ML] Brown silts, no obvious contamination.
73–84	[SM] Brown sandy silts, damp, dense, no obvious contamination.
85–90	[SP] Tan sands with decomposing gravels, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 25
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
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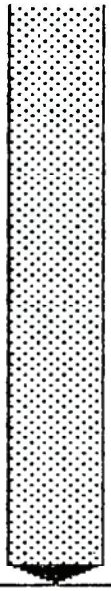
106	
107	
108	



Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 26
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–24	[SP] Brown sands, some silts, slightly damp, some striations present.
25–30	[SM] Interbeded sands and silts, silts oily black, many striations present, silts have some odor.
31–42	Oily black sands and silts, strong odor, damp, appears to be pearched on the next layer down.
43–45	[ML] Brown silts with some sands, dense, slightly damp, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 26
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
47	
48	
49	
50	
51	
52	
53	
54	
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58	
59	
60	
61	
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64	
65	
66	
67	
68	
69	
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72	
73	
74	
75	
76	
77	
78	
79	[SP] Brown poorly graded sands, some decomposing gravels,
80	no obvious contamination.
81	
82	
83	
84	
85	
86	
87	
88	
89	
90	

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 26
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
94	
95	
96	
97	
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101	
102	
103	
104	
105	
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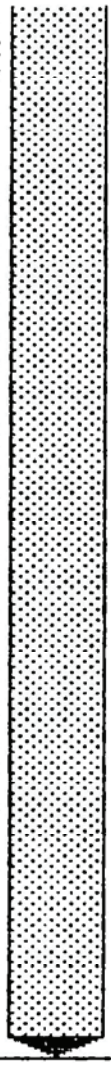
123	



Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 27
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–24	[SW] Tan sands, dry, some decaying organic matter.
25–35	[SM] Sharp transition to oily black sands and silts, strong odor, very damp, noted several distinct bands of black material 1/4 to 1/2 inch thick.
36–45	Grey-green sands and silts, slight odor, very damp.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

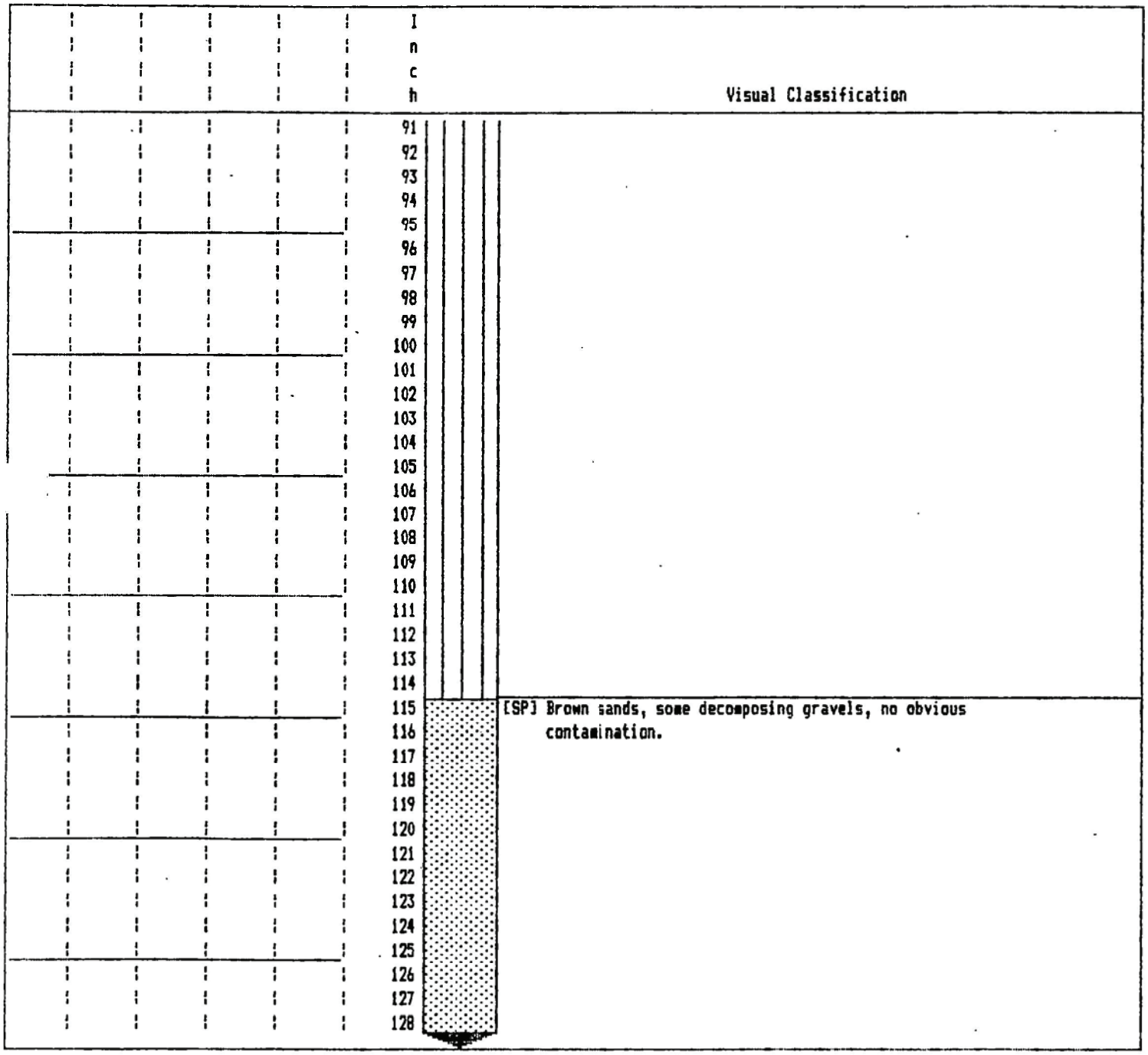
Boring Letter: CB
Boring Number: 27
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–48	
49–50	[ML] Red-brown silts, some sand, dense, slightly damp, oily materials above appear pearched on this layer
51–90	

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 27
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril



Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 28
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1	[SW] Dry tan sands, fine grained.
35	[SM] Sharp transition to oily silts and sands, strong odor,
38	Grey-green silty sand, some interbedded brown sandy silt

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 28
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–50	
51–75	Brown silty sands, no obvious contamination.
76–90	[ML] Brown silts, some sands, dense, slightly damp, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-9-85

Boring Letter: CB
Boring Number: 28
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
94	
95	
96	
97	
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99	
100	
101	
102	
103	
104	
105	
106	
107	[SP] Brown sands, some decomposing gravels, no obvious contamination.
108	
109	
110	
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133	

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 29
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–26	[SW] Brown sands, slightly damp, some striations present.
27–30	[SM] Transition to oily black sands and silts, some bands of grey-green present.
31–36	Grey-green sands and silts.
37–39	[ML] Brown silt lense.
40–45	[SM] Grey-green sands and silts.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 29
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–50	
51	[ML] Brown silts, slightly damp, no obvious contamination.
52–83	
84	[SP] Brown sands, few fines.
85–90	

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 29
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
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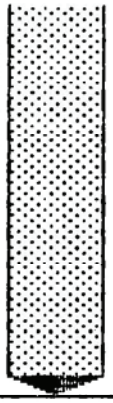
100	
101	
102	



Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 30
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–12	[SW] Dark grey to tan sands, dry, some organic matter.
13–45	[SM] Brown sands and silts, slightly damp, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 30
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–84	
85–90	[SP] Brown sands with decomposing gravels, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 30
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
94	
95	
96	
97	
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99	
100	
101	
102	
103	
104	
105	
106	
107	[ML] Mottled olive and brown clayey silt, very dense,
108	no obvious contamination.
109	
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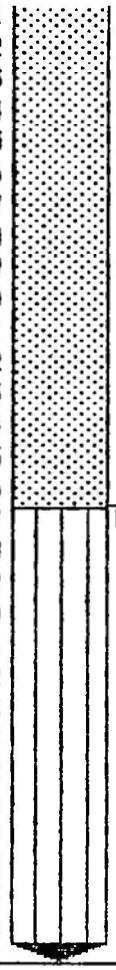


Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 31
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–24	[SM] Interbedded sands and silts, rust to grey to greenish-grey, many striations.
25–27	[SW] Lense of gravely sands.
28–30	[SM] Mottled green, grey, and black sands and silts, some odor.
31–35	[ML] Mottled olive and brown sandy silts, no odor.
36–45	Red-brown silts,slightly damp, dense, material above appears to be perched on this layer.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

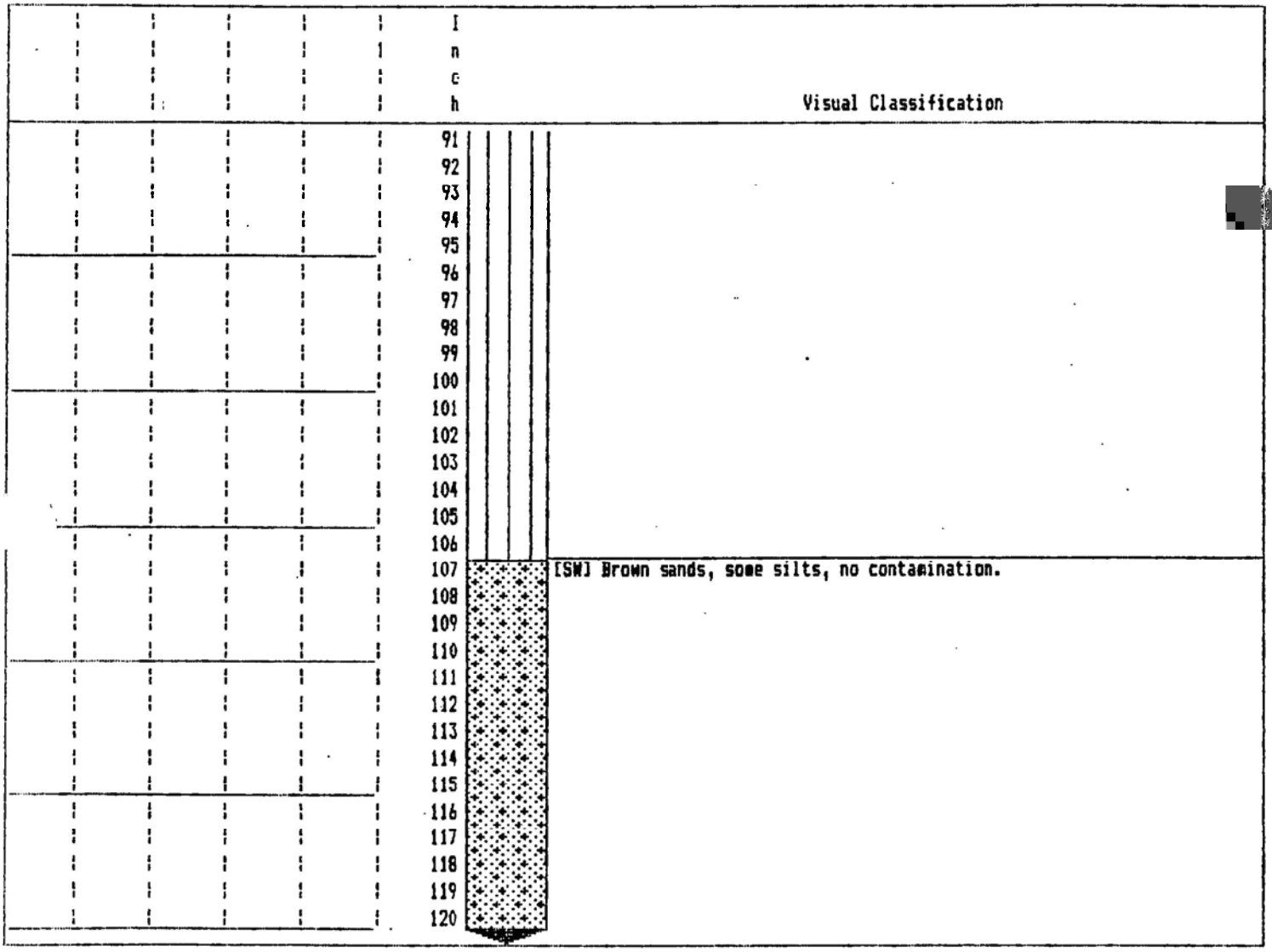
Boring Letter: CB
Boring Number: 31
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–48	
49–55	[SM] Red-brown silty sands, slightly damp, no obvious contamination.
56–62	
63–70	[SW] Lense of sands and decomposing gravels.
71–90	[ML] Brown silts, slightly greenish at top of section, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 31
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril



Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 32
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–18	[SM] Brown sands, slightly damp to dry, some organic material on top, no obvious contamination.
19–24	[SM] Oily black sands and silts, strong odor.
25–45	Green-grey sands and silts, some brown mottling, slight odor.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 32
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–83	
84–85	[ML] Olive brown silts, damp, no obvious contamination.
86–90	

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 32
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	
92	
93	
94	
95	
96	
97	
98	
99	
100	
101	
102	
103	
104	
105	
106	
107	
108	
109	[SP] Brown sands, no obvious contamination.
110	
111	
112	
113	
114	
115	
116	
117	
118	
119	
120	

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 33
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1	[SW] Grey to tan sands, no obvious contamination.
7	Brown sands, no obvious contamination.
22	[SM] Brown sandy silts, no obvious contamination.
28	[ML] Olive green sandy silt, some dark grey mottling.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 33
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46–60	
61	[SM] Brown silty sands, damp, no obvious contamination.
62–90	

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 33
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91	[ML] Brown sandy silts, damp, some gravels present,
92	no obvious contamination.
93	
94	
95	
96	
97	
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99	
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120	

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 34
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
1–36	[SW] Tan sands, some silts, dry, no obvious contamination.
37–45	[SM] Brown sandy silts, no obvious contamination.

Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 34
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
46	
47	
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49	
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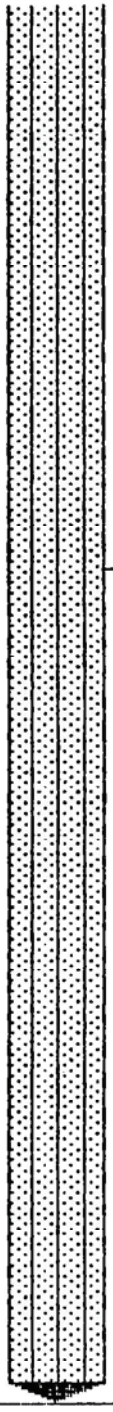
Log Continued on Next Page

Job Name: Etiwanda Drain Ditch
Job Location: Etiwanda Generating Sta.
On-site Engineer: C.L. Buril
Samples Taken By: C.L. Buril/R.M. Goodson
Date Drilled: 5-10-85

Boring Letter: CB
Boring Number: 34
Drilling Contractor: Datum Exploration
Log Completed By: C.L. Buril

Inch	Visual Classification
91–105	
106–110	Brown silty sands, slightly damp, no obvious contamination.
111–134	



APPENDIX C

LABATORY RAW DATA SHEETS

SURFACE SOIL SAMPLES COLLECTED AFTER THE MARCH 13, 1985 TAMCO OIL/WATER SPILL

SAMPLE ANALYSES CONSIST OF THE FOLLOWING:

- TOTAL PETROLEUM HYDROCARBON
- CAM TOTAL METALS
- CAM SOLUBLE METALS
- BNA EXTRACTABLE ORGANICS

Analytical Technologies, Inc. Corporate Offices. 225 W 30th Street National City. CA 92050 619 477-4173

I.D. 01-002077

April 23, 1985

Southern California Edison
P. O. Box 800
Rosemead, CA 91770

Attention: John McKinley

P. O. #: C-0775911

On March 30, 1985, Analytical Technologies, Inc. received six (6) soils for analyses. California Assesment Manual (CAM) metals (total concentration) were determined by acid digesting aliquots of soil and analyzing the digests using inductively coupled argon plasma and atomic absorption graphite furnace, in accordance with the methods outlined in the EPA publication SW 846. Oil and grease were analyzed by extracting soil aliquots with freon, then analyzing the extract using infrared spectrophotometry, in accordance with EPA method 413.2. Base/neutral and acid extractable organics were analyzed by extracting soil aliquots using the Soxhlet procedure (EPA method 3540) and then analyzing the extracts using a gas chromatograph/mass spectrometer, in accordance with EPA method 8270.

The results of the metals analyses were given to John McKinley verbally on April 11 and 12, 1985, by Liz Shigley.

Attached are the results for the total metal concentration and oil & grease values. The results of the base/neutral and acid extractable organics and the soluble metals concentration (requested on April 17, 1985, verbally, by John McKinley) will follow.

Mikayo Langhofer
Technical Associate

Reviewed by
Mark King
Laboratory Manager

ML:mat

Attachments

NOTE: Samples from this project will be disposed of in thirty (30) days from the date of this report, unless we are informed otherwise.

ANALYTICAL TECHNOLOGIES, INC. I.D. 01-00207/-1

DATA SUMMARY
OF CAM LISTED METALS

Client: Southern California Edison
Sample I.D.: EGS - 1
Sample Matrix: Soil
Date Received: 3-30-85
Date Analyzed:
Concentration: Total milligrams per kilogram

(Circle One) mg/L or (mg/Kg)	
<2.5	Antimony
21	Arsenic
66.9	Barium
<1.0	Beryllium
<0.5	Cadmium
41.4	Chromium (total)
	*Chromium (hexavalent)
3.5	Cobalt
46.2	Copper
35.6	Lead
<0.10	Mercury
<1.0	Molybdenum
28.7	Nickel
<2.5	Selenium
<2.5	Silver
<2.5	Thallium
41.6	Vanadium
119	Zinc
922	Oil & Grease

*Hexavalent chromium is tested only when the total chromium value exceeds threshold limits.

ANALYTICAL TECHNOLOGIES, INC. I.D. 01-002077-2

DATA SUMMARY
OF CAM LISTED METALS

Client: Southern California Edison Date Received: 3-30-85
Sample I.D.: EGS - 2 Date Analyzed:
Sample Matrix: Soil Concentration: Total milligrams per kilogram

(Circle One) mg/L or mg/Kg	
<2.5	Antimony
12	Arsenic
116	Barium
<1.0	Beryllium
1.7	Cadmium
209	Chromium (total)
1.5	*Chromium (hexavalent)
6.9	Cobalt
203	Copper
87.4	Lead
0.52	Mercury
<1.0	Molybdenum
97.4	Nickel
<2.5	Selenium
<2.5	Silver
<2.5	Thallium
103	Vanadium
497	Zinc
1610	Oil & Grease

*Hexavalent chromium is tested only when the total chromium value exceeds threshold limits.

ANALYTICAL TECHNOLOGIES, INC. I.D. 01-00207/-3

DATA SUMMARY
OF CAM LISTED METALS

Client: Southern California Edison Date Received: 3-30-85

Sample I.D.: EGS - 3 Date Analyzed: _____

Sample Matrix: Soil Concentration: Total milligrams per kilogram

(Circle ~~One~~) mg/L or (mg/Kg)	
<2.5	Antimony
12	Arsenic
118	Barium
<1.0	Beryllium
1.1	Cadmium
193	Chromium (total)
<0.5	*Chromium (hexavalent)
6.9	Cobalt
149	Copper
84.1	Lead
<0.10	Mercury
<1.0	Molybdenum
62.0	Nickel
<2.5	Selenium
<2.5	Silver
<2.5	Thallium
55.7	Vanadium
394	Zinc
2000	Oil & Grease

*Hexavalent chromium is tested only when the total chromium value exceeds threshold limits.

ANALYTICAL TECHNOLOGIES, INC. I.D. 01-002077-4

DATA SUMMARY

OF CAM LISTED METALS

Client: Southern California Edison Date Received: 3-30-85

Sample I.D.: EGS - 4 Date Analyzed:

Sample Matrix: Soil Concentration: Total milligrams per kilogram

(Circle ~~One~~) mg/L or (mg/Kg)	
<2.5	Antimony
28	Arsenic
63.1	Barium
<1.0	Beryllium
<0.5	Cadmium
15.5	Chromium (total)
	*Chromium (hexavalent)
3.0	Cobalt
10.8	Copper
13.2	Lead
0.16	Mercury
<1.0	Molybdenum
9.5	Nickel
<2.5	Selenium
<2.5	Silver
<2.5	Thallium
22.8	Vanadium
52.3	Zinc
227	Oil & Grease

*Hexavalent chromium is tested only when the total chromium value exceeds threshold limits.

ANALYTICAL TECHNOLOGIES, INC. I.D. 01-002077-5

DATA SUMNARY
OF CAM LISTED METALS

Client: Southern California Edison Date Received: 3-30-85

Sample I.D.: EGS - 5 Date Analyzed:

Sample Matrix: Soil Concentration: Total milligrams per kilogram

(Circle ~~One~~) mg/L or (mg/Kg)	
<2.5	Antimony
40	Arsenic
67.6	Barium
<1.0	Beryllium
<0.5	Cadmium
11.5	Chromium (total)
	*Chromium (hexavalent)
3.0	Cobalt
7.0	Copper
524	Lead
<0.10	Mercury
<1.0	Molybdenum
6.2	Nickel
<2.5	Selenium
<2.5	Silver
<2.5	Thallium
22.9	Vanadium
41.0	Zinc
14,600	Oil & Grease

*Hexavalent chromium is tested only when the total chromium value exceeds threshold limits.

ANALYTICAL TECHNOLOGIES, INC. I.D. 01-002077-6

DATA SUMMARY
OF CAM LISTED METALS

Client: Southern California Edison
Sample I.D.: EGS - 6
Sample Matrix: Soil

Date Received: 3-30-85
Date Analyzed:
Concentration: Total milligrams per kilogram

(Circle One) mg/L or mg/Kg	
<2.5	Antimony
30	Arsenic
77.4	Barium
<1.0	Beryllium
0.7	Cadmium
79.2	Chromium (total)
<0.5	*Chromium (hexavalent)
4.1	Cobalt
53.4	Copper
16.3	Lead
<0.10	Mercury
<1.0	Molybdenum
23.4	Nickel
<2.5	Selenium
<2.5	Silver
<2.5	Thallium
31.2	Vanadium
194	Zinc
2,290	Oil & Grease

*Hexavalent chromium is tested only when the total chromium value exceeds threshold limits.

Analytical Technologies, Inc. Corporate Offices: 225 W. 30th Street National City, CA 92050 619 477-4173

I.D. 01-002077 B

May 9, 1985

Southern California Edison
P. O. Box 800
Rosemead, CA 91770

Attention: John McKinley

P.O. # C-0775911

On April 17, 1985, John McKinley requested that soluble threshold limit concentrations for the seventeen (17) CAM metals be tested on six (6) soil samples that were received by Analytical Technologies, Inc. on March 30, 1985. The samples were prepared by the Wet Extraction Test method and the resulting extracts were analyzed by the atomic absorption graphite furnace and inductively coupled argon plasma, in accordance with the methods outlined in the EPA publication SW 846.

Included in this report are the results of the base/neutral and acid extractable organics which were prepared by extracting soil aliquots using the Soxhlet procedure (EPA method 3540). These extracts were analyzed by a gas chromatograph/mass spectrometer, in accordance with EPA method 8270.

Mary E. Shigley

Mary E. Shigley
Client Services Supervisor

Reviewed by:

Mark King
Laboratory Manager

MS:mat

Enclosures

NOTE: Samples from this project will be disposed of in thirty (30) days from the date of this report unless we are informed otherwise.

I.D. 01-002077A -1

DATA SUMMARY
OF CAM LISTED METALS

Client: Southern California Edison
Sample I.D.: EGS-1
Sample Matrix: Soil

Date Received: 3-30-85
Date Analyzed: 4-23 thru 5-4-85
Concentration: Soluble Threshold Limit

(Circle One) (mg/L) or mg/Kg	
<0.5	Antimony
0.23	Arsenic
2.1	Barium
<0.2	Beryllium
<0.020**	Cadmium
2.6	Chromium (total)
	*Chromium (hexavalent)
<0.2	Cobalt
<0.2	Copper
0.35	Lead
<0.002	Mercury
<0.2	Molybdenum
1.4	Nickel
<0.05	Selenium
<0.5	Silver
<0.5	Thallium
1.5	Vanadium
7.7	Zinc

*Hexavalent chromium is tested only when the total chromium value exceeds threshold limits.

** Detection limit increased slightly due to a 1:20 dilution requirement.

DATA SUMMARY
OF CAM LISTED METALS

Client: Southern California Edison
Sample I.D.: EGS -2
Sample Matrix: Soil

Date Received: 3-30-85
Date Analyzed: 4-23 thru 5-4-85
Concentration: Soluble Threshold Limit

(Circle One) mg/L or mg/Kg	
<0.5	Antimony
0.33	Arsenic
5.0	Barium
<0.2	Beryllium
<0.010	Cadmium
8.4	Chromium (total)
	*Chromium (hexavalent)
0.4	Cobalt
<0.2	Copper
0.37	Lead
<0.002	Mercury
<0.2	Molybdenum
3.6	Nickel
<0.05	Selenium
<0.5	Silver
<0.5	Thallium
4.7	Vanadium
27.8	Zinc

*Hexavalent chromium is tested only when the total chromium value exceeds threshold limits.

DATA SUMMARY
OF CAM LISTED METALS

Client: Southern California Edison
Sample I.D.: EGS -3
Sample Matrix: Soil

Date Received: 3-30-85
Date Analyzed: 4-23 thru 5-4-85
Concentration: Soluble Threshold Limit

(Circle One) mg/L or mg/Kg	
<0.5	Antimony
0.39	Arsenic
5.4	Barium
<0.2	Beryllium
<0.010	Cadmium
8.4	Chromium (total)
	*Chromium (hexavalent)
0.3	Cobalt
<0.2	Copper
2.5	Lead
<0.002	Mercury
<0.2	Molybdenum
3.2	Nickel
<0.05	Selenium
<0.5	Silver
<0.5	Thallium
2.5	Vanadium
21.2	Zinc

*Hexavalent chromium is tested only when the total chromium value exceeds threshold limits.

I.D. 01-002077A -4

DATA SUMMARY

OF CAM LISTED METALS

Client: Southern California Edison
Sample I.D.: EGS -4
Sample Matrix: Soil

Date Received: 3-30-85
Date Analyzed: 4-23 thru 5-4-85
Concentration: Soluble Threshold Limit

(Circle One) mg/L or mg/Kg	
<0.5	Antimony
0.08	Arsenic
1.8	Barium
<0.2	Beryllium
<0.010	Cadmium
0.2	Chromium (total)
	*Chromium (hexavalent)
<0.2	Cobalt
<0.2	Copper
0.11	Lead
<0.002	Mercury
<0.2	Molybdenum
0.3	Nickel
<0.05	Selenium
<0.5	Silver
<0.5	Thallium
0.4	Vanadium
0.6	Zinc

*Hexavalent chromium is tested only when the total chromium value exceeds threshold limits.

I.D. 01-002077A -5

DATA SUMMARY
OF CAM LISTED METALS

Client: Southern California Edison
Sample I.D.: EGS -5
Sample Matrix: Soil

Date Received: 3-30-85
Date Analyzed: 4-23 thru 5-4-85
Concentration: Soluble Threshold Limit

(Circle One) mg/L or mg/Kg	
<0.5	Antimony
0.55	Arsenic
3.3	Barium
<0.2	Beryllium
<0.010	Cadmium
<0.1	Chromium (total)
	*Chromium (hexavalent)
0.2	Cobalt
<0.2	Copper
13.5**	Lead
<0.002	Mercury
0.5	Molybdenum
0.2	Nickel
<0.05	Selenium
<0.5	Silver
<0.5	Thallium
0.7	Vanadium
0.5	Zinc

*Hexavalent chromium is tested only when the total chromium value exceeds threshold limits.

** Exceeds the STLC.

I.D. 01-002077A -6

DATA SUMMARY
OF CAM LISTED METALS

Client: Southern California Edison
Sample I.D.: EGS -6
Sample Matrix: Soil

Date Received: 3-30-85
Date Analyzed: 4-23 thru 5-4-85
Concentration: Soluble Threshold Limit

(Circle One) mg/L or mg/Kg	
<0.5	Antimony
0.23	Arsenic
2.1	Barium
<0.2	Beryllium
0.024	Cadmium
3.6	Chromium (total)
	*Chromium (hexavalent)
<0.2	Cobalt
<0.2	Copper
1.06	Lead
<0.002	Mercury
<1.0	Molybdenum
1.3	Nickel
<0.05	Selenium
<0.5	Silver
<0.5	Thallium
0.75	Vanadium
13	Zinc

*Hexavalent chromium is tested only when the total chromium value exceeds threshold limits.

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

Client: Southern California Edison Date Sampled: -
Sample I.D.: EGS -1 Date Received by Lab: 3-30-85
Sample Matrix: Soils Date Extracted/Prepared: 4-8-85
Method No.: EPA 8270 Date Analyzed: 4-30-85

mg/Kg		mg/Kg	
< 0.80	Phenol	< 0.37	Indeno (1,2,3-c,d) Pyrene
< 0.33	2-Chlorophenol	< 0.41	Benzo (g,h,i) perylene
< 0.98	2,4-Dichlorophenol	< 0.25	Benzo (a) Pyrene
< 0.27	2,4,6-Trichlorophenol		
< 0.30	4-Chloro-3-methylphenol (p-chloro-m-cresol)		
< 0.36	Pentachlorophenol		
< 0.94	2,4-Dimethylphenol		
< 2.4	2-methyl-4,6-dinitrophenol (4,6-dinitro-o-cresol)		
< 0.36	2-Nitrophenol		
< 0.24	4-Nitrophenol		
< 4.2	2,4-Dinitrophenol		
< 0.19	Acenapthene		
< 0.35	Acenaphthylene		
< 4.4	Benzidine		
< 0.25	Chrysene		
< 0.22	Isophorone		
< 0.54	Phenanthrene		
< 0.19	Anthracene		
< 0.78	Benzo (a) anthracene		
< 0.25	Dibenzo (a,h) anthracene		
< 0.19	Fluorene		
< 0.22	Fluoranthene		
< 0.25	Benzo (b) fluoranthene		
< 0.25	Benzo (k) fluoranthene		
< 0.19	Pyrene		

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

Client: Southern California Edison
Sample I.D.: EGS -1
Sample Matrix: Soils
Method No.: EPA 8270
Date Sampled: -
Date Received by Lab: 3-30-85
Date Extracted/Prepared: 4-8-85
Date Analyzed: 4-30-85

mg/Kg		mg/Kg	
< 0.19	Hexachlorobenzene	< 0.25	Hexachlorocyclopentadiene
< 0.19	Nitrobenzene	< 0.16	Napthalene
< 0.19	1,2-Dichlorobenzene	< 0.19	2-Chloronapthalene
< 0.19	1,3-Dichlorobenzene	< 0.57	1,2-Diphenylhydrazine
< 0.44	1,4-Dichlorobenzene	< 0.25	Di-n-Octyl Phthalate
< 0.19	1,2,4-Trichlorobenzene		
< 1.7	3,3-Dichlorobenzidine		
< 0.57	2,4-Dinitrotoluene		
< 0.25	2,6-Dinitrotoluene		
< 0.25	N-Nitrosodimethylamine		
< 0.19	N-Nitrosodiphenylamine		
< 0.25	N-Nitrosodi-n-propylamine		
< 2.2	Diethyl Phthalate		
< 0.16	Dimethyl Phthalate		
36.0	Di-n-butyl Phthalate		
< 0.25	Butylbenzylphathalate		
< 0.25	Bis (2-ethylhexyl) phthalate		
< 0.57	Bis (2-chloroethyl) ether		
< 0.57	Bis (2-chloroisopropyl) ether		
< 0.42	4-Chlorophenyl-phenyl ether		
< 0.53	Bis (2-chloroethoxy) methane		
< 0.19	4-Bromophenyl-phenyl ether		
< 0.16	Hexachloroethane		
< 0.09	Hexachlorobutadiene		

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

Client: Southern California Edison
Sample I.D.: EGS -2
Sample Matrix: Soils
Method No.: EPA 8270
Date Sampled: -
Date Received by Lab: 3-30-85
Date Extracted/Prepared: 4-8-85
Date Analyzed: 4-30-85

mg/Kg		mg/Kg	
< 0.80	Phenol	< 0.37	Indeno (1,2,3-c,d) Pyrene
< 0.33	2-Chlorophenol	< 0.41	Benzo (g,h,i) perylene
< 0.98	2,4-Dichlorophenol	< 0.25	Benzo (a) Pyrene
< 0.27	2,4,6-Trichlorophenol		
< 0.30	4-Chloro-3-methylphenol (p-chloro-m-cresol)		
< 0.36	Pentachlorophenol		
< 0.94	2,4-Dimethylphenol		
< 2.4	2-methyl-4,6-dinitrophenol (4,6-dinitro-o-cresol)		
< 0.36	2-Nitrophenol		
< 0.24	4-Nitrophenol		
< 4.2	2,4-Dinitrophenol		
< 0.19	Acenapthene		
< 0.35	Acenaphthylene		
< 4.4	Benzidine		
< 0.25	Chrysene		
< 0.22	Isophorone		
< 0.54	Phenanthrene		
< 0.19	Anthracene		
< 0.78	Benzo (a) anthracene		
< 0.25	Dibenzo (a,h) anthracene		
< 0.19	Fluorene		
< 0.22	Fluoranthene		
< 0.25	Benzo (b) fluoranthene		
< 0.25	Benzo (k) fluoranthene		
< 0.19	Pyrene		

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

Client: Southern California Edison
Sample I.D.: EGS -2
Sample Matrix: Soils
Method No.: EPA 8270

Date Sampled: -
Date Received by Lab: 3-30-85
Date Extracted/Prepared: 4-8-85
Date Analyzed: 4-30-85

mg/Kg		mg/Kg	
< 0.19	Hexachlorobenzene	< 0.25	Hexachlorocyclopentadiene
< 0.19	Nitrobenzene	< 0.16	Napthalene
< 0.19	1,2-Dichlorobenzene	< 0.19	2-Chloronapthalene
< 0.19	1,3-Dichlorobenzene	< 0.57	1,2-Diphenylhydrazine
< 0.44	1,4-Dichlorobenzene	< 0.25	Di-n-Octyl Phthalate
< 0.19	1,2,4-Trichlorobenzene		
< 1.7	3,3-Dichlorobenzidine		
< 0.57	2,4-Dinitrotoluene		
< 0.25	2,6-Dinitrotoluene		
< 0.25	N-Nitrosodimethylamine		
< 0.19	N-Nitrosodiphenylamine		
< 0.25	N-Nitrosodi-n-propylamine		
< 2.2	Diethyl Phthalate		
< 0.16	Dimethyl Phthalate		
20.0	Di-n-butyl Phthalate		
< 0.25	Butylbenzylphathalate		
< 0.25	Bis (2-ethylhexyl) phthalate		
< 0.57	Bis (2-chloroethyl) ether		
< 0.57	Bis (2-chloroisopropyl) ether		
< 0.42	4-Chlorophenyl-phenyl ether		
< 0.53	Bis (2-chloroethoxy) methane		
< 0.19	4-Bromophenyl-phenyl ether		
< 0.16	Hexachloroethane		
< 0.09	Hexachlorobutadiene		

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

Client: Southern California Edison
Sample I.D.: EGS -3
Sample Matrix: Soils
Method No.: EPA 8270
Date Sampled: -
Date Received by Lab: 3-30-85
Date Extracted/Prepared: 4-8-85
Date Analyzed: 4-30-85

mg/Kg		mg/Kg	
< 0.80	Phenol	< 0.37	Indeno (1,2,3-c,d) Pyrene
< 0.33	2-Chlorophenol	< 0.41	Benzo (g,h,i) perylene
< 0.98	2,4-Dichlorophenol	< 0.25	Benzo (a) Pyrene
< 0.27	2,4,6-Trichlorophenol		
< 0.30	4-Chloro-3-methylphenol (p-chloro-m-cresol)		
< 0.36	Pentachlorophenol		
< 0.94	2,4-Dimethylphenol		
< 2.4	2-methyl-4,6-dinitrophenol (4,6-dinitro-o-cresol)		
< 0.36	2-Nitrophenol		
< 0.24	4-Nitrophenol		
< 4.2	2,4-Dinitrophenol		
< 0.19	Acenapthene		
< 0.35	Acenaphthylene		
< 4.4	Benzidine		
< 0.25	Chrysene		
< 0.22	Isophorone		
< 0.54	Phenanthrene		
< 0.19	Anthracene		
< 0.78	Benzo (a) anthracene		
< 0.25	Dibenzo (a,h) anthracene		
< 0.19	Fluorene		
< 0.22	Fluoranthene		
< 0.25	Benzo (b) fluoranthene		
< 0.25	Benzo (k) fluoranthene		
< 0.19	Pyrene		

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

Client: Southern California Edison
Sample I.D.: EGS -3
Sample Matrix: Soils
Method No.: EPA 8270

Date Sampled: -
Date Received by Lab: 3-30-85
Date Extracted/Prepared: 4-8-85
Date Analyzed: 4-30-85

mg/Kg		mg/Kg	
< 0.19	Hexachlorobenzene	< 0.25	Hexachlorocyclopentadiene
< 0.19	Nitrobenzene	< 0.16	Napthalene
< 0.19	1,2-Dichlorobenzene	< 0.19	2-Chloronapthalene
< 0.19	1,3-Dichlorobenzene	< 0.57	1,2-Diphenylhydrazine
< 0.44	1,4-Dichlorobenzene	< 0.25	Di-n-Octyl Phthalate
< 0.19	1,2,4-Trichlorobenzene		
< 1.7	3,3-Dichlorobenzidine		
< 0.57	2,4-Dinitrotoluene		
< 0.25	2,6-Dinitrotoluene		
< 0.25	N-Nitrosodimethylamine		
< 0.19	N-Nitrosodiphenylamine		
< 0.25	N-Nitrosodi-n-propylamine		
< 2.2	Diethyl Phthalate		
< 0.16	Dimethyl Phthalate		
34.0	Di-n-butyl Phthalate		
< 0.25	Butylbenzylphathalate		
< 0.25	Bis (2-ethylhexyl) phthalate		
< 0.57	Bis (2-chloroethyl) ether		
< 0.57	Bis (2-chloroisopropyl) ether		
< 0.42	4-Chlorophenyl-phenyl ether		
< 0.53	Bis (2-chloroethoxy) methane		
< 0.19	4-Bromophenyl-phenyl ether		
< 0.16	Hexachloroethane		
< 0.09	Hexachlorobutadiene		

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

Client: Southern California Edison
Sample I.D.: EGS -4
Sample Matrix: Soils
Method No.: EPA 8270

Date Sampled: -
Date Received by Lab: 3-30-85
Date Extracted/Prepared: 4-8-85
Date Analyzed: 4-27-85

mg/Kg		mg/Kg	
< 0.19	Hexachlorobenzene	< 0.25	Hexachlorocyclopentadiene
< 0.19	Nitrobenzene	< 0.16	Napthalene
< 0.19	1,2-Dichlorobenzene	< 0.19	2-Chloronapthalene
< 0.19	1,3-Dichlorobenzene	< 0.57	1,2-Diphenylhydrazine
< 0.44	1,4-Dichlorobenzene	< 0.25	Di-n-Octyl Phthalate
< 0.19	1,2,4-Trichlorobenzene		
< 1.7	3,3-Dichlorobenzidine		
< 0.57	2,4-Dinitrotoluene		
< 0.25	2,6-Dinitrotoluene		
< 0.25	N-Nitrosodimethylamine		
< 0.19	N-Nitrosodiphenylamine		
< 0.25	N-Nitrosodi-n-propylamine		
< 2.2	Diethyl Phthalate		
< 0.16	Dimethyl Phthalate		
< 0.25	Di-n-butyl Phthalate		
< 0.25	Butylbenzylphathalate		
0.4	Bis (2-ethylhexyl) phthalate		
< 0.57	Bis (2-chloroethyl) ether		
< 0.57	Bis (2-chloroisopropyl) ether		
< 0.42	4-Chlorophenyl-phenyl ether		
< 0.53	Bis (2-chloroethoxy) methane		
< 0.19	4-Bromophenyl-phenyl ether		
0.9	Hexachloroethane		
< 0.09	Hexachlorobutadiene		

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

Client: Southern California Edison
Sample I.D.: EGS -4
Sample Matrix: Soils
Method No.: EPA 8270

Date Sampled: -
Date Received by Lab: 3-30-85
Date Extracted/Prepared: 4-8-85
Date Analyzed: 4-27-85

mg/Kg		mg/Kg	
< 0.80	Phenol	< 0.37	Indeno (1,2,3-c,d) Pyrene
< 0.33	2-Chlorophenol	< 0.41	Benzo (g,h,i) perylene
< 0.98	2,4-Dichlorophenol	< 0.25	Benzo (a) Pyrene
< 0.27	2,4,6-Trichlorophenol		
< 0.30	4-Chloro-3-methylphenol (p-chloro-m-cresol)		
< 0.36	Pentachlorophenol		
< 0.94	2,4-Dimethylphenol		
< 2.4	2-methyl-4,6-dinitrophenol (4,6-dinitro-o-cresol)		
< 0.36	2-Nitrophenol		
< 0.24	4-Nitrophenol		
< 4.2	2,4-Dinitrophenol		
< 0.19	Acenapthene		
< 0.35	Acenaphthylene		
< 4.4	Benzidine		
< 0.25	Chrysene		
< 0.22	Isophorone		
< 0.54	Phenanthrene		
< 0.19	Anthracene		
< 0.78	Benzo (a) anthracene		
< 0.25	Dibenzo (a,h) anthracene		
< 0.19	Fluorene		
< 0.22	Fluoranthene		
< 0.25	Benzo (b) fluoranthene		
< 0.25	Benzo (k) fluoranthene		
< 0.19	Pyrene		

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

Client: Southern California Edison
Sample I.D.: EGS -5
Sample Matrix: Soils
Method No.: EPA 8270

Date Sampled: -
Date Received by Lab: 3-30-85
Date Extracted/Prepared: 4-8-85
Date Analyzed: 5-2-85

mg/Kg		mg/Kg	
< 0.80	Phenol	< 0.37	Indeno (1,2,3-c,d) Pyrene
< 0.33	2-Chlorophenol	< 0.41	Benzo (g,h,i) perylene
< 0.98	2,4-Dichlorophenol	< 0.25	Benzo (a) Pyrene
< 0.27	2,4,6-Trichlorophenol		
< 0.30	4-Chloro-3-methylphenol (p-chloro-m-cresol)		
< 0.36	Pentachlorophenol		
< 0.94	2,4-Dimethylphenol		
< 2.4	2-methyl-4,6-dinitrophenol (4,6-dinitro-o-cresol)		
< 0.36	2-Nitrophenol		
< 0.24	4-Nitrophenol		
< 4.2	2,4-Dinitrophenol		
< 0.19	Acenapthene		
< 0.35	Acenaphthylene		
< 4.4	Benzidine		
< 0.25	Chrysene		
< 0.22	Isophorone		
< 0.54	Phenanthrene		
< 0.19	Anthracene		
< 0.78	Benzo (a) anthracene		
< 0.25	Dibenzo (a,h) anthracene		
< 0.19	Fluorene		
< 0.22	Fluoranthene		
< 0.25	Benzo (b) fluoranthene		
< 0.25	Benzo (k) fluoranthene		
< 0.19	Pyrene		

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

Client: Southern California Edison
Sample I.D.: EGS -5
Sample Matrix: Soils
Method No.: EPA 8270

Date Sampled: -
Date Received by Lab: 3-30-85
Date Extracted/Prepared: 4-8-85
Date Analyzed: 5-2-85

mg/Kg		mg/Kg	
< 0.19	Hexachlorobenzene	< 0.25	Hexachlorocyclopentadiene
< 0.19	Nitrobenzene	< 0.16	Napthalene
< 0.19	1,2-Dichlorobenzene	< 0.19	2-Chloronapthalene
< 0.19	1,3-Dichlorobenzene	< 0.57	1,2-Diphenylhydrazine
< 0.44	1,4-Dichlorobenzene	< 0.25	Di-n-Octyl Phthalate
< 0.19	1,2,4-Trichlorobenzene		
< 1.7	3,3-Dichlorobenzidine		
< 0.57	2,4-Dinitrotoluene		
< 0.25	2,6-Dinitrotoluene		
< 0.25	N-Nitrosodimethylamine		
< 0.19	N-Nitrosodiphenylamine		
< 0.25	N-Nitrosodi-n-propylamine		
< 2.2	Diethyl Phthalate		
< 0.16	Dimethyl Phthalate		
290	Di-n-butyl Phthalate		
< 0.25	Butylbenzylphathalate		
< 0.25	Bis (2-ethylhexyl) phthalate		
< 0.57	Bis (2-chloroethyl) ether		
< 0.57	Bis (2-chloroisopropyl) ether		
< 0.42	4-Chlorophenyl-phenyl ether		
< 0.53	Bis (2-chloroethoxy) methane		
< 0.19	4-Bromophenyl-phenyl ether		
< 0.16	Hexachloroethane		
< 0.09	Hexachlorobutadiene		

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

Client: Southern California Edison
Sample I.D.: EGS -6
Sample Matrix: Soils
Method No.: EPA 8270

Date Sampled: -
Date Received by Lab: 3-30-85
Date Extracted/Prepared: 4-8-85
Date Analyzed: 5-2-85

mg/Kg		mg/Kg	
< 0.80	Phenol	< 0.37	Indeno (1,2,3-c,d) Pyrene
< 0.33	2-Chlorophenol	< 0.41	Benzo (g,h,i) perylene
< 0.98	2,4-Dichlorophenol	< 0.25	Benzo (a) Pyrene
< 0.27	2,4,6-Trichlorophenol		
< 0.30	4-Chloro-3-methylphenol (p-chloro-m-cresol)		
< 0.36	Pentachlorophenol		
< 0.94	2,4-Dimethylphenol		
< 2.4	2-methyl-4,6-dinitrophenol (4,6-dinitro-o-cresol)		
< 0.36	2-Nitrophenol		
< 0.24	4-Nitrophenol		
< 4.2	2,4-Dinitrophenol		
< 0.19	Acenapthene		
< 0.35	Acenaphthylene		
< 4.4	Benzidine		
< 0.25	Chrysene		
< 0.22	Isophorone		
< 0.54	Phenanthrene		
< 0.19	Anthracene		
< 0.78	Benzo (a) anthracene		
< 0.25	Dibenzo (a,h) anthracene		
< 0.19	Fluorene		
< 0.22	Fluoranthene		
< 0.25	Benzo (b) fluoranthene		
< 0.25	Benzo (k) fluoranthene		
< 0.19	Pyrene		

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

Client: Southern California Edison
Sample I.D.: EGS -6
Sample Matrix: Soils
Method No.: EPA 8270

Date Sampled: -
Date Received by Lab: 3-30-85
Date Extracted/Prepared: 4-8-85
Date Analyzed: 5-2-85

mg/Kg		mg/Kg	
< 0.19	Hexachlorobenzene	< 0.25	Hexachlorocyclopentadiene
< 0.19	Nitrobenzene	< 0.16	Napthalene
< 0.19	1,2-Dichlorobenzene	< 0.19	2-Chloronapthalene
< 0.19	1,3-Dichlorobenzene	< 0.57	1,2-Diphenylhydrazine
< 0.44	1,4-Dichlorobenzene	< 0.25	Di-n-Octyl Phthalate
< 0.19	1,2,4-Trichlorobenzene		
< 1.7	3,3-Dichlorobenzidine		
< 0.57	2,4-Dinitrotoluene		
< 0.25	2,6-Dinitrotoluene		
< 0.25	N-Nitrosodimethylamine		
< 0.19	N-Nitrosodiphenylamine		
< 0.25	N-Nitrosodi-n-propylamine		
< 2.2	Diethyl Phthalate		
< 0.16	Dimethyl Phthalate		
25.0	Di-n-butyl Phthalate		
< 0.25	Butylbenzylphathalate		
< 0.25	Bis (2-ethylhexyl) phthalate		
< 0.57	Bis (2-chloroethyl) ether		
< 0.57	Bis (2-chloroisopropyl) ether		
< 0.42	4-Chlorophenyl-phenyl ether		
< 0.53	Bis (2-chloroethoxy) methane		
< 0.19	4-Bromophenyl-phenyl ether		
< 0.16	Hexachloroethane		
< 0.09	Hexachlorobutadiene		

ANALYTICAL TECHNOLOGIES, INC.

I.D. 01-00207/A

Southern California Edison
QUALITY CONTROL DATA
(STLC CAM METALS)

Concentration = mg/L

Analysis	Date	Duplicates				Spike				EPA Quality Control Solution	Result	True Value	95% Confidence Interval
		Sample I.D.#	1st Result	2nd Result	RPD*	Sample No.	Result	True Value	% ** Recovery				
Zn	4-29	2077-1	7.7	7.6	1	2077-4	2.3	2.5	93	WP481 #2	0.38	0.42	0.38-0.45
Ni	4-29	2077-1	1.4	1.2	15	2077-4	2.4	2.5	96	WP481 #2	0.18	0.21	0.18-0.24
Cr	4-29	2077-1	2.6	2.4	8	2077-4	2.4	2.5	96	WP481 #2	0.23	0.26	0.21-0.31
Cu	4-29	2077-1	<0.2	<0.2	N/A	2077-4	2.4	2.5	96	WP481 #2	0.32	0.34	0.30-0.37
Ag	4-29	2077-1	<0.5	<0.5	N/A	2077-4	2.3	2.5	93	WS378 #2 x 10	0.24	0.28	0.22-0.33
Pb	4-25	2077-1	0.033	0.035	5.9	2077-1	0.046	0.050	92	WP475 #5	0.145	0.12	0.092-0.15
Tl	4-26	2077-5	<0.05	<0.05	N/A	2077-4	0.021	0.025	84	WP581 #2	0.050	0.050	0.029-0.07
Cd	4-30	2108 Comp. II	4.7	5.2	10	2139	0.0019	0.0020	95	WP475 #5	0.013	0.013	0.0095-0.0151
As	5-4	2077-1	0.23	0.22	4.4	2077-1	0.059	0.05	118	WP475 #5	0.065	0.060	0.037-0.07
Mo	5-1	2077-5	0.5	0.3	5	2157	9.3	10	93	WP581 #1	1.90	1.70	1.24-2.56
Co	5-1	2077-5	0.2	0.2	0	2157	4.63	5.00	93	WP581 #2	0.29	0.26	0.23-0.29

* RPD (Relative Percent Difference) = $\frac{\text{1st value - 2nd value}}{\text{average value}}$

N/A = Not Applicable

** Recovery = $\frac{\text{(Spiked sample result - sample result)}}{\text{Spike Added}} \times 100$

ANALYTICAL TECHNOLOGIES, INC.

Southern California Edison

QUALITY CONTROL DATA
(STLC CAM METALS)

Concentration = mg/L

Analysis	Date	Duplicates				Spike				EPA Quality Control Solution	Result	True Value	95% Confidence Interval
		Sample I.D.#	1st Result	2nd Result	RPD*	Sample No.	Result	True Value	% ** Recovery				
V	5-1	2077-5	0.7	0.7	0	2157	4.73	5.00	95	WP481 #2	0.89	0.85	0.73-0.98
Be	5-1	2077-5	<0.1	<0.1	N/A	2157	4.63	5.00	93	WP481 #2	0.23	0.24	0.21-0.26
Ba	5-1	2077-5	3.3	3.0	9.5	2157	4.60	5.00	92	WP581 #1	1.2	1.2	0.99-1.31
Sb	4-19	2077-5	<0.5	<0.5	N/A	2112-2	0.023	0.025	92	WP581 #1	0.0075	0.0082	0.0061-0.0101
Hg	4-26	2077-1	<0.002	<0.002	N/A	2131	0.0021	0.0020	105	In-house Q.C.	0.006	0.005	N/A
Se	4-23	2077-5	<0.05	<0.05	N/A	2077-4	0.014	0.015	93	WP475 #5	0.031	0.030	0.022-0.035

* RPD (Relative Percent Difference) = $\frac{\text{1st value - 2nd value}}{\text{average value}}$

N/A = Not Applicable

Recovery = $\frac{\text{(Spiked sample result - sample result)}}{\text{Spike Added}}$ X 100

LABATORY RAW DATA SHEETS

MARCH 13, 1985 OIL/WATER LIQUID SPILL COLLECTED ON ETIWANDA GENERATING STATION PROPERTY

SAMPLE ANALYSES CONSIST OF THE FOLLOWING:

- ONE LIQUID SAMPLE COLLECTED ON MARCH 13, 1985 WHILE THE TAMCO SPILL WAS OCCURING

- ONE LIQUID SAMPLE COLLECTED DURING A SUBSEQUENT WASTEWATER RELEASE FROM TAMCO ON MARCH 25, 1985

Recd from CBA 5/1/85

Analytical Technologies, Inc. Corporate Offices 225 A. [illegible]

I.D. 01-002060

April 22, 1985

Etiwanda samples from TAMCO spill
5A - actual spill
5B - cont. discharge one week later

Southern California Edison
P. O. Box 928
Paramount, CA 90723

P.O. Number: 70025909

Project Number: 85078

Station: ETIWANDA 65

Attention: R. M. Esqueda

On March 29, 1985, Analytical Technologies, Inc. received two (2) liquid samples consisting of two phases: oil and water. The water phases were to be analyzed for CAM listed metals and fluoride. The oil phases were to be scanned by gas chromatography with a flame ionization detector and infrared spectrophotometry.

The CAM listed metals were analyzed as follows: Antimony (Sb), Arsenic (As), Cadmium (Cd), Lead (Pb), Selenium (Se), and Thallium (Tl) were analyzed by atomic absorption spectrophotometry in accordance with EPA method 200 series. Barium (Ba), Beryllium (Be), Chromium (Cr), Cobalt (Co), Copper (Cu), Molybdenum (Mo), Nickel (Ni), Silver (Ag), Vanadium (V), and Zinc (Zn) were analyzed in accordance with EPA method 200.7 by inductively coupled plasma. Mercury (Hg) was analyzed by cold vapor atomic absorption in accordance with EPA method 245.1. Fluoride (F^-) was analyzed in accordance with EPA method 340.2.

Attached are the test results for the CAM metals, Fluoride, and the Gas Chromatograph Scan. The results of the IR Scan will be sent to you at a later date.

Mikayo Langhofer
Technical Associate

Reviewed by
Mark King
Laboratory Manager

ML:mat

Attachments

NOTE: Samples from this project will be disposed of in thirty (30) days from the date of this report, unless we are informed otherwise.

ANALYTICAL TECHNOLOGIES, INC. I.D. 01-002060-1

DATA SUMMARY
OF CAM LISTED METALS & FLUORIDE

Client: Southern California Edison Date Received: 3-29-85
Sample I.D.: LE-85-5A Date Analyzed: 4-1 thru 4-9-85
Sample Matrix: Water Concentration: Total milligrams per liter (ppm)

(Circle One) mg/L or mg/Kg	
<0.005	Antimony
<0.005	Arsenic
0.12	Barium
<0.01	Beryllium
<0.001	Cadmium
<0.01	Chromium (total)
-	*Chromium (hexavalent)
<0.02	Cobalt
<0.02	Copper
0.013	Lead
<0.0002	Mercury
<0.02	Molybdenum
<0.01	Nickel
<0.25	Selenium
<0.05	Silver
<0.005	Thallium
0.02	Vanadium
0.48	Zinc
0.6	Fluoride

[This sample had two (2) phases: oil & water. Only the water phase was tested for CAM metals].

*Hexavalent chromium is tested only when the total chromium value exceeds threshold limits.

ANALYTICAL TECHNOLOGIES, INC. I.D. 01-002060-2

DATA SUMMARY
OF CAM LISTED METALS & FLUORIDE

Client: Southern California Edison Date Received: 3-29-85
Sample I.D.: LE-85-5B Date Analyzed: 4-1 thru 4-9-85
Sample Matrix: Water Concentration: Total milligrams per liter (ppm)

(Circle One) mg/L or mg/Kg	
0.009	Antimony
<0.005	Arsenic
0.04	Barium
<0.01	Beryllium
<0.001	Cadmium
<0.01	Chromium (total)
-	*Chromium (hexavalent)
<0.02	Cobalt
<0.02	Copper
<0.005	Lead
<0.0002	Mercury
0.12	Molybdenum
<0.01	Nickel
<0.25	Selenium
<0.05	Silver
<0.005	Thallium
<0.01	Vanadium
0.06	Zinc
0.8	Fluoride

*Hexavalent chromium is tested only when the total chromium value exceeds threshold limits.

ANALYTICAL TECHNOLOGIES, INC.

I.D. 01-002060

GAS CHROMATOGRAPH
SCAN DATA SHEET

Client: Southern California Edison
Sample: LE-85-5A Oil Phase

Analyses	Result
Gas Chromatograph Scan	≃ 1740 ppm Diesel Fuel

ANALYTICAL TECHNOLOGIES, INC.

I.D. 01-002060

Southern Califo Edison
QUALITY CONTROL DATA

Concentration = ppm

Analysis	Date	Duplicates				Spike				EPA Quality Control Solution	Result	True Value	95% Confidence Interval
		Sample I.D.#	1st Result	2nd Result	RPD*	Sample No.	Result	True Value	% ** Recovery				
F^-	4-3	LE-85-5A Water phase	0.6	0.6	0	LE-85-5B	58	58	100	WP881#1	1.4	1.3	1.16-1.44
Sb	4-5	ATI #2075	< 2.5	< 2.5	N/A	ATI #2075	0.027	0.025	108	In-house	0.020	0.020	0.017-0.023
As	4-3	ATI #2042	0.36	0.42	15	ATI #2042	0.022	0.025	86	WP475#5	0.055	0.060	0.037-0.076
Ba	4-9	ATI #2044	372	441	17	ATI #2077	1.75	2.0	88	WP581#1	1.24	1.2	0.99-1.31
Be	4-9	ATI #2044	< 1.0	< 1.0	N/A	ATI #2077	1.88	2.0	94	WP481#2	0.24	0.24	0.21-0.26
Cd	4-4	ATI #2042	0.098	0.098	0	ATI #2042	0.0055	0.0050	110	WP475#5	0.013	0.013	0.010-0.015
Cr	4-8	ATI #2042	1.04	1.0	3.9	ATI #2042	4.97	5.0	99	WP481#2	0.25	0.26	0.21-0.31
Co	4-9	ATI #2044	6.1	5.1	17.8	ATI #2077	1.8	2.0	90	WP481#2	0.25	0.26	0.23-0.29
Cu	4-8	ATI #2042	0.09	0.07	25	ATI #2042	5.07	5.0	101	WP481#2	0.36	0.34	0.30-0.37
Pb	4-1	ATI #2057	0.21	0.20	5	ATI #2057	0.0098	0.010	98	WP475#5	0.135	0.120	0.0924-0.152
Hg	4-10	LE-85-5A Water	<0.0002	<0.0002	N/A	LE-85-5B Water	0.0024	0.002	120	WP475#5	0.0037	0.0035	0.0016-0.005

* RPD (Relative Percent Difference) = $\frac{\text{1st value - 2nd value}}{\text{average value}}$

N/A = Not Applicable

** % Recovery = $\frac{\text{(Spiked sample result - sample result)}}{\text{Spike Added}}$ X 100

ANALYTICAL TECHNOLOGIES, INC.

I.D. 01-002060

Southern California Edison
QUALITY CONTROL DATA

Concentration = ppm

Analysis	Date	Duplicates				Spike				EPA Quality Control Solution	Result	True Value	95% Confidence Interval
		Sample I.D.#	1st Result	2nd Result	RPD*	Sample No.	Result	True Value	% ** Recovery				
Mo	4-9	ATI #2044	<1.0	<1.0	N/A	ATI #2077	1.43	2.0	72	WP481#2	1.88	1.7	1.24-2.59
Ni	4-8	ATI #2042	0.14	0.12	15.4	ATI #2042	5.25	5.0	105	WP481#2	0.22	0.21	0.18-0.24
Se	4-4	ATI #2068	<0.5	<0.5	N/A	ATI #2068	0.022	0.025	88	WP475#5	0.025	0.030	0.0223-0.0353
Ag	4-8	ATI #2042	<0.05	<0.05	N/A	ATI #2042	4.2	5.0	84	WS378#2 x 10	0.27	0.25	0.22-0.33
Tl	4-2	LE-85-5B	<0.2	<0.2	N/A	ATI #2038	0.023	0.025	92	In-house QC	0.018	0.020	0.017-0.023
V	4-9	ATI #2044	119	127	6.5	ATI #2077	0.83	1.0	83	WP481#2	0.90	0.85	0.73-0.98
Zn	4-8	ATI #2042	1.51	1.56	3.2	ATI #2042	4.8	5.0	96	WP1178 x 10	0.14	0.10	0.04-0.18

* RPD (Relative Percent Difference) = $\frac{\text{1st value - 2nd value}}{\text{average value}}$

N/A = Not Applicable

** % Recovery = $\frac{\text{(Spiked sample result - sample result)}}{\text{Spike Added}}$ X 100

LABATORY RAW DATA SHEETS

SOIL CORE SAMPLES COLLECTED FROM SELECTED LOCATIONS WITHIN THE CHANNEL AND SPREADING BASIN

SAMPLE ANALYSES CONSIST OF THE FOLLOWING:

- TOTAL PETROLEUM HYDROCARBONS
- CAM TOTAL METALS
- CAM SOLUABLE METALS
- BNA AND VOLATILE ORGANICS

Analytical Technologies, Inc. Corporate Offices: 225 W. 30th Street National City, CA 92050 619 477-4173

I.D. 01-002227

P.O. C1305901

June 14, 1985

Southern California Edison
2224 Walnut Grove
Rosemead, CA 91770

Project: Etiwanda Drain Ditch

Attention: Chuck Buril

On May 14, 1985, Analytical Technologies, Inc. received thirty-seven (37) soil samples for analysis. All of the samples were tested for petroleum hydrocarbons (Pet H-C) by Freon extraction followed by infrared spectroscopy in accordance with EPA method 418.1. Four (4) of the samples were analyzed for total chromium (Cr) content by atomic emission spectroscopy by inductively coupled argon plasma in accordance with EPA method 6010.

The results and quality control data for these analyses are enclosed.

Sharon Hudson Bjork
Technical Associate

Reviewed by:

Mark King
Laboratory Manager

SHB:mat

Enclosures

NOTE: Samples from this project will be disposed of in thirty (30) days from the date of this report unless we are informed otherwise.

ANALYTICAL TECHNOLOGIES, INC. I.D. 01-002227

PET H-C
DATA SHEET

Client: Southern California Edison
Date Received: 5-14-85
Date Analyzed: 6-3-85
Date Reported: 6-14-85

Sample Matrix: Soil
Method No. 418.1
Units: milligrams per kilogram (mg/kg)

ATI SAMPLE I.D.	CLIENT SAMPLE I.D.	PET H-C
1	CB-28 @ 12-24	1,360
2	CB-28 @ 34-37	48.9
3	CB-28 @ 37-49	23.6
4	CB-28 @ 49-61	2.3
5	CB-29 @ 0-12	999
6	CB-29 @ 12-24	458
7	CB-29 @ 26-30	238
8	CB-29 @ 30-36	100
9	CB-29 @ 38-48	11.0
10	CB-29 @ 48-54	3.5
11	CB-30 @ 12-24	239
12	CB-30 @ 24-36	6.7
13	CB-31 @ 12-24	4.1
14	CB-31 @ 24-30	<1.0
15	CB-31 @ 30-36	<1.0
16	CB-31 @ 36-48	<1.0
17	CB-31 @ 48-60	<1.0
18	CB-32 @ 18-24	10.9
19	CB-32 @ 24-36	3.2
20	CB-32 @ 48-60	<1.0
21	CB-32 @ 84-96	<1.0
22	CB-33 @ 24-36	7.3
23	CB-33 @ 36-48	<1.0
24	CB-33 @ 48-60	<1.0
25	CB-33 @ 60-72	<1.0
26	CB-34 @ 12-24	6.6
27	CB-34 @ 24-36	<1.0
28	CB-34 @ 36-48	2.3
29	CB-34 @ 48-60	<1.0
30	A-3 @ 0-12	2,600
31	A-3 @ 12-24	30.8
32	A-2 @ 0-12	<1.0
33	A-1 @ 0-6	51.6
34	A-1 @ 13-19	<1.0
35	G-1 @ 0-12	8.5
36	G-1 @ 16-24	3.3
37	G-1 @ 36-48	5.1

ANALYTICAL TECHNOLOGIES, INC. I.D. 01-002227

Cr
DATA SHEET

Client: Southern California Edison
Date Received: 5-14-85
Date Analyzed: 5-28-85
Date Reported: 6-14-85

Sample Matrix: Soil
Method No.: 418.1
Units: milligrams per kilogram (mg/kg)

ATI SAMPLE I.D.	CLIENT SAMPLE I.D.	Cr
22	CB-33 @ 24-36	4.58
23	CB-33 @ 36-48	3.56
36	G-1 @ 16-24	12.40
37	G-1 @ 36-48	<0.50

ANALYTICAL TECHNOLOGIES, INC.

ATI I.D. # 01-00[illegible]

Southern California Edison
QUALITY CONTROL DATA

Analysis	Date	Duplicates				Spike				EPA Quality Control Solution	Result	True Value	95% Confiden Interva
		Sample I.D.#	1st Result	2nd Result	RPD*	Sample No.	Result	True Value	% ** Recovery				
Pet H-C	6-3	2227 #12	6.73	6.79	0.8	2227 #12	897	863	104	WP879 #1	20.7	19.8	16.7-23.
Cr	5-28	2228 #4	225	239	6	2218 #18	0.26	0.25	104	WP488 #2	0.12	0.13	0.11-0.1

* RPD (Relative Percent Difference) = $\frac{\text{1st value - 2nd value}}{\text{average value}}$

** % Recovery = $\frac{\text{(Spiked sample result - sample result)}}{\text{Spike Added}} \times 100$

N/A = Not Applicable

AnalyticalTechnologies,Inc. Corporate Offices: 225 W. 30th Street National City, CA 92050 619 477-4173

I.D. 01-002096

April 26, 1985

Southern California Edison
P. O. Box 800
Rosemead, CA 91770

Attention: John Moreno/John McKinley

Project: Etiwanda Drainage Ditch

On April 9, 1985, Analytical Technologies, Inc. received seventy-one (71) soil samples. Thirty-seven (37) of the samples were analyzed for petroleum hydrocarbons, the other thirty-four (34) were archived. Petroleum hydrocarbons were determined by extracting the samples with freon, then analyzing the extracts using infrared spectrophotometry, in accordance with EPA method 418.1.

Attached are the test results.

Mikayo Langhofer
Technical Associate

Reviewed by
Mark King
Laboratory Manager

ML:mat

Attachments

NOTE: Samples from this project will be disposed of in thirty (30) days from the date of this report, unless we are informed otherwise.

I.D. 01-002096

PETROLEUM HYDROCARBON DATA SHEET

Client: Southern California Edison
Project: Etiwanda Drainage Ditch
Date of Analyses: 4-16-85

Sample Identification	Petroleum Hydrocarbon Concentration (mg/kg)*
B-2 0-12"	11.0
B-2 12-24"	1.8
C-1 0-19"	69.0
C-2 0-12"	8.6
C-2 12-24"	9.5
C-3 0-12"	7.7
C-3 12-24"	7.2
D-1 0-13"	9.3
D-1 13-26"	<0.5
D-2 0-12"	12.5
D-2 12-24"	1.8
D-3 0-12"	130
D-3 12-24"	10.7
D-4 0-12"	1760
D-4 12-24"	28.7
E-1 0-12"	653
E-1 0-12" Hole Aborted	4240
E-1 12-24"	3.9
E-1 12-20" Hole Aborted	6.6
E-2 0-12"	5.9
E-2 12-24"	<0.5
E-3 0-22"	<0.5
D-5 0-12"	7.3
D-5 12-24"	2.5
DA-1 0-22"	12.7
G-2 0-12"	<0.5
G-2 12-24"	<0.5
H-1 0-12"	469
H-1 12-24"	16.4
Oil Tank Hole 0-12"	185
Oil Tank Hole 12-24"	7.1
H-2 0-12"	72.5
H-2 12-24"	11.5
H-3 0-12"	60.9
H-3 12-24"	4.0
H-4 0-12"	425
H-4 12-24"	17.6

*mg/kg = milligrams per kilogram

Analytical Technologies, Inc. Corporate Offices: 225 W. 30th Street National City, CA 92050 619 477-4173

I.D. 01-002097

April 30, 1985

Southern California Edison
2131 Walnut Grove Avenue
Rosemead, California 91770

Attention: Jim Moreno/John McKinley

On April 10, 1985, Analytical Technologies, Inc. received twenty-five (25) soil samples. Ten (10) of the samples were for analyses of petroleum hydrocarbons; the remaining fifteen (15) were archived. Petroleum hydrocarbons were determined by extracting the samples with freon, then analyzing the extracts using infrared spectrophotometry, in accordance with EPA Method 418.1

Attached are the test results.

Mary E. Shegley
for Mikayo Langhofer

Mikayo Langhofer
Technical Associate

Reviewed by _____
Mark King
Laboratory Manager

ML:cw

Attachments

NOTE: Samples from this project will be disposed of in thirty (30) days from the date of this report, unless we are informed otherwise.

Analytical Technologies, Inc. I.D. 01-002097

PETROLEUM HYDROCARBON DATA SHEET

Client: Southern California Edison

Project: Etiwanda Drainage Canal

Sample Date: April 9, 1985

Sample I.D.	Petroleum Hydrocarbon (mg/kg)
CB #3 0-12"	3300
CB #3 12-24"	60.3
CB #3 24-36"	4.7
CB #3 72-84"	<1.0
CB #3 168-180"	<1.0
CB #2 0-12"	1680
CB #2 12-24"	735
CB #2 36-48"	28.6
CB #1 12-24"	4.0
CB #1 0-12"	116

Analytical Technologies, Inc. Corporate Offices 225 W. 30th Street National City, CA 92050 619 477-4173

I.D. 01-002202
P.O. C1305901

June 9, 1985

Southern California Edison
Post Office Box 800
Rosemead, California 91770

Project: Etiwanda

Attention: John McKinley/Chuck Buril

On May 8, 1985, Analytical Technologies, Inc. received twenty-one (21) soil samples for analyses of petroleum hydrocarbons. Samples CB-8 at 60" and CB-8 at 90" were not listed on the chain of custody, but were added as per the instructions of C. Burril.

Petroleum hydrocarbons were determined by extracting the soil with freon and analyzing the extract using infrared spectrophotometry, in accordance with EPA method 418.1.

The test results are enclosed.

Sharon Hudson Bjork
Technical Associate

Reviewed by
Mark King
Laboratory Manager

SHB:cw

Enclosures

NOTE: Samples from this project will be disposed of thirty (30) days from the date of this report unless we are informed otherwise.

ANALYTICAL TECHNOLOGIES, INC.

Accession No. 01-002202

Petroleum Hydrocarbon
DATA SHEET

Client: Southern California Edison
Date Received: 5/8/85
Date Analyzed: 5/23/85
Date Reported: 6/12/85

Sample Matrix: Soil
Method No.: 418.1
Units: mg/Kg (milligrams per kilogram)

Sample	Petroleum Hydrocarbons
CB-4 at 0-12"	500
CB-4 at 12-24"	102
CB-5 at 0-24"	155
CB-5 at 24-48"	76.1
CB-5 at 55-72"	1810
CB-7 at 0-12"	8840
CB-7 at 12-24"	1700
CB-7 at 24-36"	220
CB-7 at 36-48"	30.2
CB-7 at 48-60"	<1.0
CB-8 at 0-12"	1910
CB-8 at 12-24"	140
CB-8 at 42"	38.8
CB-9 at 0-12"	155
CB-9 at 12-24"	75.6
CB-9 at 24-36"	33.2
CB-9 at 50"	1.5
CB-9 at 72"	2.0
CB-9 at 85"	<1.0
CB-8 at 60"	22.1
CB-8 at 90"	5.2

Analytical Technologies, Inc. Corporate Offices: 225 W. 30th Street National City, CA 92050 619 477-4173

I.D. 01-002201

May 23, 1985

Southern California Edison
2241 Walnut Grove
Rosemead, CA 91770

Attention: Jim Moreno/John McKinley

Project: Etiwanda Drainage Ditch

On May 8, 1985, Analytical Technologies, Inc. received nine (9) soil samples for analysis. The total recoverable petroleum hydrocarbon analyses were done by freon extraction, followed by infrared spectroscopy in accordance with EPA method 418.1. The results and quality control data for these analyses are enclosed.

Sharon Hudson Bjork
Technical Associate

Reviewed by:

Mark King
Laboratory Manager

SHB:mat

Enclosures

NOTE: Samples from this project will be disposed of in thirty (30) days from the date of this report unless we are informed otherwise.

ANALYTICAL TECHNOLOGIES, INC.

Accession No. 01-002201

DATA SHEET

Client: Southern California Edison
Date Received: 5-8-85
Date Analyzed: 5-14-85
Date Reported: 5-23-85

Sample Matrix: Soil
Method No. EPA 418.1
Units: mg/kg

SAMPLE	TOTAL RECOVERABLE PETROLEUM HYDROCARBON
CB-10 @ 33"	61.8
CB-10 @ 48"	2.0
CB-11 @ 33"	76.2
CB-11 @ 80"	4.4
CB-12 @ 12"-24"	15.5
CB-12 @ 32"-44"	2.4
CB-12 @ 44"-56"	<1.5
CB-12 @ 56"-58"	5.2
CB-12 @ 68"-80"	<0.1

ANALYTICAL TECHNOLOGIES, INC.

ATI I.D. # 01-002201

SOUTHERN CALIFORNIA EDISON
QUALITY CONTROL DATA

Concentration = mg/kg

Analysis	Date	Duplicates				Spike				EPA Quality Control Solution	Result	True Value	95% Confidence Interval
		Sample I.D.#	1st Result	2nd Result	RPD*	Sample No.	Result	True Value	% ** Recovery				
Pet H-C	5-16	2176 #47-52	22.1	20.2	9	2176 #47-52	862	851	101	WP379 #1	15.5	12.0	9.6-15.8

* RPD (Relative Percent Difference) = $\frac{\text{1st value - 2nd value}}{\text{average value}}$

N/A = Not Applicable

** % Recovery = $\frac{\text{(Spiked sample result - sample result)}}{\text{Spike Added}}$ X 100

Analytical Technologies, Inc. Corporate Offices: 225 W. 30th Street National City, CA 92050 619 477-4173

I.D. #01-002218

Southern California Edison
2244 Walnut Grove
Rosemead, California 91770

Attention: Jim Moreno/John McKinley

On May 10, 1985, Analytical Technologies, Inc. received fifty-three (53) soil samples for analyses. The samples were analyzed for petroleum hydrocarbons (Pet H-C) by Freon extraction followed by infrared spectroscopy in accordance with EPA method 418.1. Total chromium (Cr) was determined by atomic emission spectroscopy by inductively coupled argon plasma (ICAP) in accordance with EPA method 6010.

The results for these analyses are enclosed.

Sharon Hudson Bjork
Technical Assoicate

Reviewed by
Mark King
Laboratory Manager

SHB/dm
Attachments

NOTE: Samples from the above project will be disposed of in 30 days from the date of this report unless we are notified otherwise.

ANALYTICAL TECHNOLOGIES, INC. I.D. #01-002218

PET H-C
DATA SHEET

Client: Southern California Edison
Date Received: 5/10/85
Data Analyzed: 5/23/85
Date Reported: 6/11/85

Sample Matrix: Soil
Method No.: 418.1
Units: milligrams per kilogram (mg/Kg)

Sample	Pet H-C
CB-13 @ 12-24	1590
CB-13 @ 24-36	67.9
CB-13 @ 36-48	3.5
CB-14 @ 12-24	2.2
CB-14 @ 24-36	1.4
CB-14 @ 36-48	4.2
CB-15 @ 12-24	72.0
CB-15 @ 24-36	14.4
CB-15 @ 36-48	9.6
CB-16 @ 12-24	81.1
CB-16 @ 24-36	28.1
CB-16 @ 36-48	<1.0
CB-17 @ 12-24	46.9
CB-17 @ 24-36	4.1
CB-17 @ 36-48	1.9
CB-18 @ 0-12	594
CB-18 @ 12-24	29.9
CB-18 @ 60-64	<1.0
CB-18 @ 64-72	<1.0
CB-19 @ 0-12	1140
CB-19 @ 24-36	109
CB-19 @ 36-48	33.1
CB-20 @ 24-32	1520
CB-20 @ 32-36	36.8
CB-21 @ 24-36	32.2
CB-21 @ 36-48	<1.0

ANALYTICAL TECHNOLOGIES, INC.

I.D. #01-002218

PET H-C CONTINUED

DATA SHEET

Client: Southern California Edison
Date Received: 5/10/85
Date Analyzed: 5/23/85
Date Reported: 6/11/85

Sample Matrix: Soil
Method No.: 418.1
Units: mg/Kg

Sample	Pet H-C
CB-21 @ 48-60	<1.0
CB-22 @ 24-36	3.1
CB-22 @ 36-48	9.0
CB-22 @ 48-60	<1.0
CB-23 @ 0-12	1960
CB-23 @ 12-18	2460
CB-23 @ 18-24	30.5
CB-23 @ 24-36	23.1
CB-23 @ 36-48	7.7
CB-23 @ 48-54	<1.0
CB-23 @ 54-60	<1.0
CB-24 @ 0-12	700
CB-24 @ 2-20	145
CB-24 @ 20-36	1030
CB-24 @ 36-48	2.6
CB-24 @ 48-58	<1.0
CB-24 @ 58-66	49.2
CB-24 @ 66-72	4.8
CB-25 @ 0-10	1050
CB-25 @ 10-24	3.4
CB-26 @ 0-12	24.6
CB-26 @ 24-30	631

ANALYTICAL TECHNOLOGIES, INC. I.D. #01-002218

PET H-C CONTINUED

DATA SHEET

Client: Southern California Edison
Date Received: 5/10/85
Date Analyzed: 5/23/85
Date Reported: 6/11/85

Sample Matrix: Soil
Method No.: 418.1
Units: mg/Kg

Sample	Pet H-C
CB-26 @ 30-42	8850
CB-26 @ 42-54	<1.0
CB-27 @ 24-37	3830
CB-27 @ 37-44	17.4
South Pond 2.5"	2060

ANALYTICAL TECHNOLOGIES, INC. I.D. #01-002218

Cr

DATA SHEET

Client: Southern California Edison
Date Received: 5/10/85
Date Analyzed: 5/28/85
Date Reported: 6/11/85

Sample Matrix: Soil
Method No.: 6010
Units: mg/Kg

Sample	Cr
CB-18 @ 12-24	3.01
CB-18 @ 60-64	7.60
CB-18 @ 64-72	5.02

Analytical Technologies, Inc. Corporate Offices: 225 W. 30th Street National City, CA 92050 619 477-4173

ATI I.D. 31002

November 15, 1985

Southern California Edison
P.O. Box 800
Rosemead, California 90723

Project: Etiwanda

Attention : Chuck Buril

On November 6, 1985, Chuck Buril requested that Analytical Technologies, Inc. perform further analyses on twenty five (25) soil samples which were previously accessioned 28805. The samples were analyzed for the metals arsenic (As), barium (Ba), beryllium (Be), cadmium (Cd), hexavalent chromium, copper (Cu), lead (Pb), mercury (Hg), nickel (Ni), vanadium (V), and zinc (Zn).

The metals barium (Ba), beryllium (Be), copper (Cu), nickel (Ni), vanadium (V), and zinc (Zn) were analyzed by atomic emission spectroscopy by inductively coupled argon plasma in accordance with EPA method 6010. The metals arsenic (As), cadmium (Cd), and lead (Pb), were analyzed by atomic absorption graphite furnace in accordance with EPA methods outlined in the 7000 series. The mercury (Hg) analyses were performed by the cold vapor atomic absorption technique in accordance with EPA method 7471. The hexavalent chromium analysis was performed in accordance with EPA method 3060.

The results of these analyses and the quality control data are enclosed.

Sharon Hudson Bjork
for

Tiair K. Augsburger
Technical Associate

Reviewed by :

Mark King
Laboratory Director

Note: The samples from this project will be disposed of thirty (30) days from the date of this report unless we are informed otherwise.

ANALYTICAL TECHNOLOGIES, INC.

ATI I.D. 31002

STLC
METALS DATA SHEET

CLIENT : SOUTHERN CALIFORNIA EDISON
DATE REQUESTED: 11-6-85
PROJECT :ETIWANDA

SAMPLE MATRIX :SOIL

UNITS : mg/kg

PARAMETER	CLIENT I.D.	CB-7 @ 0-12"	CB-7 @ 12-24"	CB-7 @ 36-48"	CB-3 @ 0-12"	CB-2 @ 0-12"
	ATI I.D.	1	2	3	4	5
ARSENIC		0.30	0.09	0.09	0.07	0.12
BARIUM		4.9	N/A	5.8	N/A	2.7
BERYLLIUM		<0.1	N/A	N/A	N/A	N/A
CADMIUM		0.13	N/A	N/A	N/A	N/A
COPPER		7.3	0.6	<0.2	1.6	1.6
LEAD		6.6	1.8	0.09	1.1	1.3
MERCURY		<0.005	N/A	N/A	N/A	N/A
NICKEL		2.8	0.9	0.9	0.4	0.8
VANADIUM		3.4	3.8	1.6	0.9	0.8
ZINC		33.0	N/A	N/A	N/A	N/A

ANALYTICAL TECHNOLOGIES, INC.

ATI.I.D. 31002

STLC
METALS DATA SHEET

CLIENT : SOUTHERN CALIFORNIA EDISON
DATE REQUESTED: 11-6-85
PROJECT :ETIWANDA

SAMPLE MATRIX :SOIL

UNITS : mg/kg

PARAMETER	CLIENT I.D.	CB-2 @ 12-24"	CB-2 @ 36-48"	H-1 @ 0-12" 4-8-85	H-3 @ 12-24" 4-8-85	CB-13 @ 12-24"
	ATI I.D.	6	7	8	9	10
ARSENIC		0.06	<0.02	<0.02	0.02	0.22
BARIUM		N/A	9.7	N/A	2.1	4.5
BERYLLIUM		N/A	N/A	N/A	<0.1	<0.1
CADMIUM		N/A	N/A	N/A	N/A	0.10
COPPER		0.3	N/A	0.7	N/A	5.2
LEAD		1.1	N/A	0.28	0.07	3.2
MERCURY		N/A	N/A	N/A	N/A	N/A
NICKEL		0.5	N/A	0.2	N/A	1.4
VANADIUM		0.7	0.7	0.7	0.4	2.6
ZINC		N/A	N/A	N/A	N/A	18.1

ANALYTICAL TECHNOLOGIES, INC.

ATI I.D. 31002

STLC
METALS DATA SHEET

CLIENT : SOUTHERN CALIFORNIA EDISON
DATE REQUESTED: 11-6-85
PROJECT :ETIWANDA

SAMPLE MATRIX :SOIL

UNITS : mg/kg

PARAMETER	CLIENT I.D.	CB-13 @ 36-48"	CB-15 @ 12-24"	CB-15 @ 24-36"	CB-15 @ 36-48"	CB-19 @ 0-12"
	ATI I.D.	11	12	13	14	15
ARSENIC		<0.02	0.06	0.04	<0.02	0.08
BARIUM		4.6	4.3	4.1	6.6	N/A
BERYLLIUM		N/A	<0.1	N/A	N/A	N/A
CADMIUM		N/A	0.03	N/A	N/A	N/A
COPPER		N/A	1.0	N/A	N/A	N/A
LEAD		N/A	1.2	0.07	N/A	0.07
MERCURY		N/A	N/A	N/A	N/A	N/A
NICKEL		N/A	0.8	0.6	N/A	0.7
VANADIUM		0.3	2.1	1.8	0.8	1.5
ZINC		N/A	N/A	N/A	N/A	N/A

ANALYTICAL TECHNOLOGIES, INC.

ATI I.D. 31002

STLC
METALS DATA SHEET

CLIENT : SOUTHERN CALIFORNIA EDISON
DATE REQUESTED: 11-6-85
PROJECT :ETIWANDA

SAMPLE MATRIX :SOIL
UNITS : mg/kg

PARAMETER	CLIENT I.D.	CB-23 @ 12-18"	CB-24 @ 20-36"	CB-24 @ 36-48"	CB-24 @ 48-58"	CB-25 @ 0-10"
	ATI I.D.	16	17	18	19	20
ARSENIC		0.21	0.15	<0.02	0.02	0.28
BARIUM		4.7	4.6	5.6	N/A	7.1
BERYLLIUM		<0.1	N/A	N/A	<0.1	<0.1
CADMIUM		0.12	0.07	N/A	N/A	0.11
COPPER		5.6	4.2	N/A	N/A	6.5
LEAD		5.5	2.7	N/A	N/A	5.7
MERCURY		N/A	N/A	N/A	N/A	N/A
NICKEL		1.9	2.8	3.2	10.5	6.7
VANADIUM		2.9	7.5	0.4	0.4	31.3
ZINC		19.8	N/A	N/A	N/A	12.0

ANALYTICAL TECHNOLOGIES, INC.

ATI I.D. 31002

STLC
METALS DATA SHEET

CLIENT : SOUTHERN CALIFORNIA EDISON
DATE REQUESTED: 11-6-85
PROJECT :ETIWANDA

SAMPLE MATRIX :SOIL

UNITS : mg/kg

PARAMETER	CLIENT I.D.	CB-26 @ 24-30"	CB-28 @ 12-24"	CB32 @ 24-36"	CB-32 @ 48-60"	A-3 @ 0-12"
	ATI I.D.	21	22	23	24	25
ARSENIC		0.020	0.06	<0.02	<0.02	0.09
BARIUM		2.8	N/A	8.4	6.5	N/A
BERYLLIUM		<0.1	N/A	N/A	N/A	N/A
CADMIUM		0.02	0.04	N/A	N/A	N/A
COPPER		1.0	0.6	N/A	N/A	<0.2
LEAD		1.1	2.4	N/A	N/A	1.7
MERCURY		N/A	N/A	N/A	N/A	N/A
NICKEL		1.0	0.8	N/A	N/A	0.5
VANADIUM		4.5	1.1	0.6	0.5	0.8
ZINC		N/A	10.7	N/A	N/A	N/A

QUALITY CONTROL

CLIENT : SOUTHERN CALIFORNIA EDISON ATI I.D.31002

ANALYSIS	DATE	SAMPLE I.D.	RESULT	DUPLICATE	RPD (%)	SAMPLE I.D.	MATRIX SPIKE FOUND	SPIKE ADDED	% RECOVERY
As	11-15	31002-009	0.02	0.02	0.0	31002-001	0.024	0.025	96
Ba	11-18	31002-009	2.1	2.0	4.9	31002-007	0.51	0.50	102
Be	11-18	31002-009	<0.1	<0.1	N/A	31002-007	0.46	0.50	92
Cd	11-19	31002-021	0.018	0.017	5.7	31002-020	0.00624	0.0060	104
Cu	11-18	31002-009	<0.2	<0.2	N/A	31002-004	2.50	2.50	100
Pb	11-18	31002-009	0.07	0.08	-13.3	31002-003	0.0202	0.025	81
Hg	11-19	31801-003	<0.0005	<0.0005	N/A	31002-004	0.0045	0.0050	90
Ni	11-18	31002-009	<0.1	<0.1	N/A	31002-004	2.40	2.50	96
V	11-18	31002-009	0.4	0.4	0.0	31002-001	0.24	0.25	98
Zn	11-18	31002-009	0.1	0.1	N/A	31002-004	2.25	2.50	90

CALIBRATION CHECK SAMPLES

ANALYSIS	EPA QC	RESULT	VALUE	95% C.I.
As	WS378 14	0.022	0.0225	0.0177-0.0273
Ba	WP581 2	0.98	1.04	0.94-1.14
Be	WP284 2	0.11	0.12	0.10-0.14
Cd	WS378 14	0.0023	0.0024	0.0018-0.0031
Cu	WP284 2	0.17	0.17	0.15-0.19
Pb	WS378 14	0.0231	0.0264	0.0218-0.0310
Hg	WS378 13	0.0011	0.0014	0.0010-0.0017
Ni	WP284 2	0.10	0.10	0.08-0.12
V	WP284 2	0.40	0.43	0.36-0.49
Zn	WP284 2	0.22	0.21	0.19-0.23

ANALYTICAL TECHNOLOGIES, INC.

ATI I.D. 31002

DATA SHEET

CLIENT :SOUTHERN CALIFORNIA EDISON
DATE REQUESTED: 11-6-85

SAMPLE MATRIX : SOIL

PROJECT : ETIWANDA

UNITS : mg/kg

ATI SAMPLE I.D.	CLIENT SAMPLE I.D.	CHROMIUM (HEXAVALENT)
1	CB-7 @ 0-12"	<0.05
2	CB-7 @ 12-24"	<0.05
3	CB-7 @ 36-48"	<0.05
4	CB-3 @ 0-12"	<0.05
5	CB-2 @ 0-12"	<0.05
6	CB-2 @ 12-24"	<0.05
7	CB-2 @ 36-48"	<0.05
8	H-1 @ 0-12" 4-8-85	<0.05
9	H-3 @ 12-24" 4-8-85	<0.05
10	CB-13 @ 12-24"	<0.05
11	CB-13 @ 36-48"	<0.05
12	CB-15 @12-24"	<0.05
13	CB-15 @24-36"	<0.05
14	CB-15 @ 36-48"	<0.05
15	CB-19 @ 0-12"	<0.05
16	CB-23 @ 12-18"	<0.05
17	CB-24 @20-36"	<0.05
18	CB-24 @ 36-48"	<0.05
19	CB-24 @ 48-58"	<0.05
20	CB-25 @ 0-10"	<0.05
21	CB-26 @ 24-30"	<0.05
22	CB-28 @ 12-24"	<0.05
23	CB-32 @ 24-36"	<0.05
24	CB-32 @ 48-60"	<0.05
25	A-3 @ 0-12"	<0.05

ANALYTICAL TECHNOLOGIES, INC.

ATI I.D. 28805

DATA SHEET

CLIENT :SOUTHERN CALIFORNIA EDISON
DATE RECEIVED:10-15

SAMPLE MATRIX : soil

PROJECT : ETIWANDA

UNITS: mg/kg

ATI SAMPLE I.D.	CLIENT SAMPLE I.D.	PET H-C
1	CB-10 @48"	9
5	CB-9 @24-36"	51
24	CB-13 @48-60"	268
25	CB-13 @120-132"	<5.0
26	CB-14 @0-12"	2830
27	CB-14 @48-60"	<5.0
28	CB-17 @48-60"	<5.0
29	CB-19 @12-24"	28
30	CB-19 @48-60"	8
31	CB-20 @12-24"	2950
32	CB-21 @0-12"	519
33	CB-21 @12-24"	35

Analytical Technologies, Inc. Corporate Offices: 225 W. 30th Street National City, CA 92050 619 477-4173

I.D. 28805

November 8, 1985

Southern California Edison
P.O. Box 800
2244 Walnut Grove Avenue
Rosemead, CA 91770

Attention: Chuck Buril

P.O. No: C1305901

Project: Etiwanda

Enclosed please find the remaining sixteen semi-volatile organic analysis (BNA) data sheets which were not sent with the report on November 6, 1985. Also, enclosed please find the invoice for the above-mentioned project.

Please accept our apologies for the inconvenience we may have caused you.

Sincerely yours,

Mary E. Shigley

MARY E. SHIGLEY
Client Services Supervisor

MS:mat

Enclosures

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-002

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-7 @0-12"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-26-85
DATE REPORTED: 11-07-85

0.5U	N-NITROSODIMETHYLAMINE
0.5U	PHENOL
0.5U	ANILINE
0.5U	BIS-(2-CHLOROETHYL)ETHER
0.5U	2-CHLOROPHENOL
0.5U	1,3-DICHLOROBENZENE
0.5U	1,4-DICHLOROBENZENE
0.5U	BENZYL ALCOHOL
0.5U	1,2-DICHLOROBENZENE
0.5U	2-METHYLPHENOL
0.5U	BIS(2-CHLOROISOPROPYL)ETHER
0.5U	4-METHYLPHENOL
0.5U	N-NITROSO-DI-N-PROPYLAMINE
0.5U	HEXACHLOROETHANE
0.5U	NITROBENZENE
0.5U	ISOPHORONE
0.5U	2-NITROPHENOL
0.5U	2,4-DIMETHYLPHENOL
2.5U	BENZOIC ACID
0.5U	BIS(2-CHLOROETHOXYL)METHANE
0.5U	2,4-DICHLOROPHENOL
0.5U	1,2,4-TRICHLOROBENZENE
0.5U	NAPHTHALENE
0.5U	4-CHLOROANILINE
0.5U	HEXACHLOROBUTADIENE
0.5U	4-CHLORO-3-METHYLPHENOL
0.5U	2-METHYLNAPHTHALENE
0.5U	HEXACHLOROCYCLOPENTADIENE
0.5U	2,4,6-TRICHLOROPHENOL
2.5U	2,4,5-TRICHLOROPHENOL
0.5U	2-CHLORONAPHTHALENE
2.5U	2-NITROANILINE
0.5U	DIMETHYL PHTHALATE
0.5U	ACENAPHTHYLENE
2.5U	3-NITROANILINE
0.5U	ACENAPHTHENE
2.5U	2,4-DINITROPHENOL
2.5U	4-NITROPHENOL
0.5U	DIBENZOFURAN
0.5U	2,4-DINITROTOLUENE
0.5U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-002

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-7 @0-12"

0.5U	DIETHYLPHTHALATE
0.5U	4-CHLOROPHENYL-PHENYLETHER
0.5U	FLUORENE
2.5U	4-NITROANILINE
2.5U	4,6-DINITRO-2-METHYLPHENOL
0.5U	N-NITROSODIPHENYLAMINE(1)
0.5U	4-BROMOPHENYL-PHENYLETHER
0.5U	HEXACHLOROBENZENE
2.5U	PENTACHLOROPHENOL
0.5U	PHENANTHRENE
0.5U	ANTHRACENE
0.5U	DI-N-BUTYLPHTHALATE
0.5U	FLUORANTHENE
5.0U	BENZIDINE
0.5U	PYRENE
0.5U	BUTYLBENZYLPHTHALATE
1.0U	3,3-DICHLOROBENZIDINE
0.5U	BENZO(a)ANTHRACENE
0.5U	BIS(2-ETHYLHEXYL)PHTHALATE
0.5U	CHRYSENE
0.5U	DI-N-OCTYLPHTHALATE
0.5U	BENZO(b)FLUORANTHENE
0.5U	BENZO(k)FLUORANTHENE
0.5U	BENZO(a)PYRENE
0.5U	INDENO(1,2,3-cd)PYRENE
0.5U	DIBENZ(a,h)ANTHRACENE
0.5U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
186	NITROBENZENE-D5
71	2-FLUOROBIPHENYL
61	TERPHENYL
127	PHENOL-D5
90	2-FLUOROPHENOL
65	2,4,6-TRIBROMOPHENOL

COMMENTS: DILUTION FACTOR: 1 (GPC 1.6) SAMPLE 30.1g

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-009

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-2 @36-48"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 11-02-85
DATE REPORTED: 11-06-85

0.5U	N-NITROSODIMETHYLAMINE
0.5U	PHENOL
0.5U	ANILINE
0.5U	BIS-(2-CHLOROETHYL)ETHER
0.5U	2-CHLOROPHENOL
0.5U	1,3-DICHLOROBENZENE
0.5U	1,4-DICHLOROBENZENE
0.5U	BENZYL ALCOHOL
0.5U	1,2-DICHLOROBENZENE
0.5U	2-METHYLPHENOL
0.5U	BIS(2-CHLOROISOPROPYL)ETHER
0.5U	4-METHYLPHENOL
0.5U	N-NITROSO-DI-N-PROPYLAMINE
0.5U	HEXACHLOROETHANE
0.5U	NITROBENZENE
0.5U	ISOPHORONE
0.5U	2-NITROPHENOL
0.5U	2,4-DIMETHYLPHENOL
2.5U	BENZOIC ACID
0.5U	BIS(2-CHLOROETHOXYL)METHANE
0.5U	2,4-DICHLOROPHENOL
0.5U	1,2,4-TRICHLOROBENZENE
0.5U	NAPHTHALENE
0.5U	4-CHLOROANILINE
0.5U	HEXACHLOROBUTADIENE
0.5U	4-CHLORO-3-METHYLPHENOL
0.5U	2-METHYLNAPHTHALENE
0.5U	HEXACHLOROCYCLOPENTADIENE
0.5U	2,4,6-TRICHLOROPHENOL
2.5U	2,4,5-TRICHLOROPHENOL
0.5U	2-CHLORONAPHTHALENE
2.5U	2-NITROANILINE
0.5U	DIMETHYL PHTHALATE
0.5U	ACENAPHTHYLENE
2.5U	3-NITROANILINE
0.5U	ACENAPHTHENE
2.5U	2,4-DINITROPHENOL
2.5U	4-NITROPHENOL
0.5U	DIBENZOFURAN
0.5U	2,4-DINITROTOLUENE
0.5U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-009

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-2 @36-48"

0.5U	DIETHYLPHTHALATE
0.5U	4-CHLOROPHENYL-PHENYLETHER
0.5U	FLUORENE
2.5U	4-NITROANILINE
2.5U	4,6-DINITRO-2-METHYLPHENOL
0.5U	N-NITROSODIPHENYLAMINE(1)
0.5U	4-BROMOPHENYL-PHENYLETHER
0.5U	HEXACHLOROBENZENE
2.5U	PENTACHLOROPHENOL
0.5U	PHENANTHRENE
0.5U	ANTHRACENE
0.5U	DI-N-BUTYLPHTHALATE
0.5U	FLUORANTHENE
5.0U	BENZIDINE
0.5U	PYRENE
0.5U	BUTYLBENZYLPHTHALATE
1.0U	3,3-DICHLOROBENZIDINE
0.5U	BENZO(a)ANTHRACENE
0.67	BIS(2-ETHYLHEXYL)PHTHALATE
0.5U	CHRYSENE
0.5U	DI-N-OCTYLPHTHALATE
0.5U	BENZO(b)FLUORANTHENE
0.5U	BENZO(k)FLUORANTHENE
0.5U	BENZO(a)PYRENE
0.5U	INDENO(1,2,3-cd)PYRENE
0.5U	DIBENZ(a,h)ANTHRACENE
0.5U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
199	NITROBENZENE-D5
56	2-FLUOROBIPHENYL
100	TERPHENYL
72	PHENOL-D5
65	2-FLUOROPHENOL
59	2,4,6-TRIBROMOPHENOL

COMMENTS: DILUTION FACTOR: 1 (GPC 1.6) SAMPLE 30.1g

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-012

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-13 @12-24"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-21-85
DATE REPORTED: 11-07-85

0.5U	N-NITROSODIMETHYLAMINE
0.5U	PHENOL
0.5U	ANILINE
0.5U	BIS-(2-CHLOROETHYL)ETHER
0.5U	2-CHLOROPHENOL
0.5U	1,3-DICHLOROBENZENE
0.5U	1,4-DICHLOROBENZENE
0.5U	BENZYL ALCOHOL
0.5U	1,2-DICHLOROBENZENE
0.5U	2-METHYLPHENOL
0.5U	BIS(2-CHLOROISOPROPYL)ETHER
0.5U	4-METHYLPHENOL
0.5U	N-NITROSO-DI-N-PROPYLAMINE
0.5U	HEXACHLOROETHANE
0.5U	NITROBENZENE
0.5U	ISOPHORONE
0.5U	2-NITROPHENOL
0.5U	2,4-DIMETHYLPHENOL
2.5U	BENZOIC ACID
0.5U	BIS(2-CHLOROETHOXYL)METHANE
0.5U	2,4-DICHLOROPHENOL
0.5U	1,2,4-TRICHLOROBENZENE
0.5U	NAPHTHALENE
0.5U	4-CHLOROANILINE
0.5U	HEXACHLOROBUTADIENE
0.5U	4-CHLORO-3-METHYLPHENOL
0.5U	2-METHYLNAPHTHALENE
0.5U	HEXACHLOROCYCLOPENTADIENE
0.5U	2,4,6-TRICHLOROPHENOL
2.5U	2,4,5-TRICHLOROPHENOL
0.5U	2-CHLORONAPHTHALENE
2.5U	2-NITROANILINE
0.5U	DIMETHYL PHTHALATE
0.5U	ACENAPHTHYLENE
2.5U	3-NITROANILINE
0.3J	ACENAPHTHENE
2.5U	2,4-DINITROPHENOL
2.5U	4-NITROPHENOL
0.5U	DIBENZOFURAN
0.5U	2,4-DINITROTOLUENE
0.5U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-012

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-13 @12-24"

0.5U		DIETHYLPHTHALATE
0.5U		4-CHLOROPHENYL-PHENYLETHER
0.5U		FLUORENE
2.5U		4-NITROANILINE
2.5U		4,6-DINITRO-2-METHYLPHENOL
0.5U		N-NITROSODIPHENYLAMINE(1)
0.5U		4-BROMOPHENYL-PHENYLETHER
0.5U		HEXACHLOROBENZENE
2.5U		PENTACHLOROPHENOL
2.3		PHENANTHRENE
0.5U		ANTHRACENE
0.5U		DI-N-BUTYLPHTHALATE
2.1		FLUORANTHENE
5.0U		BENZIDINE
0.5U		PYRENE
0.5U		BUTYLBENZYLPHTHALATE
1.0U		3,3-DICHLOROBENZIDINE
1.8		BENZO(a)ANTHRACENE
0.5U		BIS(2-ETHYLHEXYL)PHTHALATE
0.5U		CHRYSENE
0.5U		DI-N-OCTYLPHTHALATE
2.4	*	BENZO(b)FLUORANTHENE
	*	BENZO(k)FLUORANTHENE
0.5U		BENZO(a)PYRENE
1.0		INDENO(1,2,3-cd)PYRENE
0.5U		DIBENZ(a,h)ANTHRACENE
0.5U		BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
83	NITROBENZENE-D5
97	2-FLUOROBIPHENYL
40	TERPHENYL
95	PHENOL-D5
81	2-FLUOROPHENOL
122	2,4,6-TRIBROMOPHENOL

COMMENTS: * = IT WAS NOT POSSIBLE TO RESOLVE THESE TWO ISOMERS; THIS NUMBER MAY REPRESENT EITHER OR A COMBINATION OF THESE TWO ISOMERS.

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-013

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-13 @36-48"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-28-85
DATE REPORTED: 11-06-85

1.0U	N-NITROSODIMETHYLAMINE
1.0U	PHENOL
1.0U	ANILINE
1.0U	BIS-(2-CHLOROETHYL)ETHER
1.0U	2-CHLOROPHENOL
1.0U	1,3-DICHLOROBENZENE
1.0U	1,4-DICHLOROBENZENE
1.0U	BENZYL ALCOHOL
1.0U	1,2-DICHLOROBENZENE
1.0U	2-METHYLPHENOL
1.0U	BIS(2-CHLOROISOPROPYL)ETHER
1.0U	4-METHYLPHENOL
1.0U	N-NITROSO-DI-N-PROPYLAMINE
1.0U	HEXACHLOROETHANE
1.0U	NITROBENZENE
1.0U	ISOPHORONE
1.0U	2-NITROPHENOL
1.0U	2,4-DIMETHYLPHENOL
5.0U	BENZOIC ACID
1.0U	BIS(2-CHLOROETHOXYL)METHANE
1.0U	2,4-DICHLOROPHENOL
1.0U	1,2,4-TRICHLOROBENZENE
1.0U	NAPHTHALENE
1.0U	4-CHLOROANILINE
1.0U	HEXACHLOROBUTADIENE
1.0U	4-CHLORO-3-METHYLPHENOL
1.0U	2-METHYLNAPHTHALENE
1.0U	HEXACHLOROCYCLOPENTADIENE
1.0U	2,4,6-TRICHLOROPHENOL
5.0U	2,4,5-TRICHLOROPHENOL
1.0U	2-CHLORONAPHTHALENE
5.0U	2-NITROANILINE
1.0U	DIMETHYL PHTHALATE
1.0U	ACENAPHTHYLENE
5.0U	3-NITROANILINE
1.0U	ACENAPHTHENE
5.0U	2,4-DINITROPHENOL
5.0U	4-NITROPHENOL
1.0U	DIBENZOFURAN
1.0U	2,4-DINITROTOLUENE
1.0U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-013

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-13 @36-48"

1.0U	DIETHYLPHTHALATE
1.0U	4-CHLOROPHENYL-PHENYLETHER
1.0U	FLUORENE
5.0U	4-NITROANILINE
5.0U	4,6-DINITRO-2-METHYLPHENOL
1.0U	N-NITROSODIPHENYLAMINE(1)
1.0U	4-BROMOPHENYL-PHENYLETHER
1.0U	HEXACHLOROBENZENE
5.0U	PENTACHLOROPHENOL
1.0U	PHENANTHRENE
1.0U	ANTHRACENE
1.0U	DI-N-BUTYLPHTHALATE
1.0U	FLUORANTHENE
10.0U	BENZIDINE
1.0U	PYRENE
1.0U	BUTYLBENZYLPHTHALATE
2.0U	3,3-DICHLOROBENZIDINE
1.0U	BENZO(a)ANTHRACENE
1.0U	BIS(2-ETHYLHEXYL)PHTHALATE
1.0U	CHRYSENE
1.0U	DI-N-OCTYLPHTHALATE
1.0U	BENZO(b)FLUORANTHENE
1.0U	BENZO(k)FLUORANTHENE
1.0U	BENZO(a)PYRENE
1.0U	INDENO(1,2,3-cd)PYRENE
1.0U	DIBENZ(a,h)ANTHRACENE
1.0U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
118	NITROBENZENE-D5
68	2-FLUOROBIPHENYL
64	TERPHENYL
52	PHENOL-D5
46	2-FLUOROPHENOL
45	2,4,6-TRIBROMOPHENOL

COMMENTS: DILUTION FACTOR: 2 (GPC 1.6) SAMPLE 30.1g

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-016

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-15 @36-48"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-29-85
DATE REPORTED: 11-06-85

0.5U	N-NITROSODIMETHYLAMINE
0.5U	PHENOL
0.5U	ANILINE
0.5U	BIS-(2-CHLOROETHYL)ETHER
0.5U	2-CHLOROPHENOL
0.5U	1,3-DICHLOROBENZENE
0.5U	1,4-DICHLOROBENZENE
0.5U	BENZYL ALCOHOL
0.5U	1,2-DICHLOROBENZENE
0.5U	2-METHYLPHENOL
0.5U	BIS(2-CHLOROISOPROPYL)ETHER
0.5U	4-METHYLPHENOL
0.5U	N-NITROSO-DI-N-PROPYLAMINE
0.5U	HEXACHLOROETHANE
0.5U	NITROBENZENE
0.5U	ISOPHORONE
0.5U	2-NITROPHENOL
0.5U	2,4-DIMETHYLPHENOL
2.5U	BENZOIC ACID
0.5U	BIS(2-CHLOROETHOXYL)METHANE
0.5U	2,4-DICHLOROPHENOL
0.5U	1,2,4-TRICHLOROBENZENE
0.5U	NAPHTHALENE
0.5U	4-CHLOROANILINE
0.5U	HEXACHLOROBUTADIENE
0.5U	4-CHLORO-3-METHYLPHENOL
0.5U	2-METHYLNAPHTHALENE
0.5U	HEXACHLOROCYCLOPENTADIENE
0.5U	2,4,6-TRICHLOROPHENOL
2.5U	2,4,5-TRICHLOROPHENOL
0.5U	2-CHLORONAPHTHALENE
2.5U	2-NITROANILINE
0.5U	DIMETHYL PHTHALATE
0.5U	ACENAPHTHYLENE
2.5U	3-NITROANILINE
0.5U	ACENAPHTHENE
2.5U	2,4-DINITROPHENOL
2.5U	4-NITROPHENOL
0.5U	DIBENZOFURAN
0.5U	2,4-DINITROTOLUENE
0.5U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-016

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-15 @36-48"

0.5U	DIETHYLPHTHALATE
0.5U	4-CHLOROPHENYL-PHENYLETHER
0.5U	FLUORENE
2.5U	4-NITROANILINE
2.5U	4,6-DINITRO-2-METHYLPHENOL
0.5U	N-NITROSODIPHENYLAMINE(1)
0.5U	4-BROMOPHENYL-PHENYLETHER
0.5U	HEXACHLOROBENZENE
2.5U	PENTACHLOROPHENOL
0.5U	PHENANTHRENE
0.5U	ANTHRACENE
0.5U	DI-N-BUTYLPHTHALATE
0.5U	FLUORANTHENE
5.0U	BENZIDINE
0.5U	PYRENE
0.5U	BUTYLBENZYLPHTHALATE
1.0U	3,3-DICHLOROBENZIDINE
0.5U	BENZO(a)ANTHRACENE
0.5U	BIS(2-ETHYLHEXYL)PHTHALATE
0.5U	CHRYSENE
0.5U	DI-N-OCTYLPHTHALATE
0.5U	BENZO(b)FLUORANTHENE
0.5U	BENZO(k)FLUORANTHENE
0.5U	BENZO(a)PYRENE
0.5U	INDENO(1,2,3-cd)PYRENE
0.5U	DIBENZ(a,h)ANTHRACENE
0.5U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL

% RECOVERY	SURROGATES
96	NITROBENZENE-D5
63	2-FLUOROBIPHENYL
62	TERPHENYL
49	PHENOL-D5
38	2-FLUOROPHENOL
67	2,4,6-TRIBROMOPHENOL

COMMENTS: DILUTION FACTOR: 1 (GPC 1.6) SAMPLE 30.2g

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-017

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-19 @0-12"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-29-85
DATE REPORTED: 11-06-85

2.6U	N-NITROSODIMETHYLAMINE
2.6U	PHENOL
2.6U	ANILINE
2.6U	BIS-(2-CHLOROETHYL)ETHER
2.6U	2-CHLOROPHENOL
2.6U	1,3-DICHLOROBENZENE
2.6U	1,4-DICHLOROBENZENE
2.6U	BENZYL ALCOHOL
2.6U	1,2-DICHLOROBENZENE
2.6U	2-METHYLPHENOL
2.6U	BIS(2-CHLOROISOPROPYL)ETHER
2.6U	4-METHYLPHENOL
2.6U	N-NITROSO-DI-N-PROPYLAMINE
2.6U	HEXACHLOROETHANE
2.6U	NITROBENZENE
2.6U	ISOPHORONE
2.6U	2-NITROPHENOL
2.6U	2,4-DIMETHYLPHENOL
13.2U	BENZOIC ACID
2.6U	BIS(2-CHLOROETHOXYL)METHANE
2.6U	2,4-DICHLOROPHENOL
2.6U	1,2,4-TRICHLOROBENZENE
2.6U	NAPHTHALENE
2.6U	4-CHLOROANILINE
2.6U	HEXACHLOROBUTADIENE
2.6U	4-CHLORO-3-METHYLPHENOL
2.6U	2-METHYLNAPHTHALENE
2.6U	HEXACHLOROCYCLOPENTADIENE
2.6U	2,4,6-TRICHLOROPHENOL
13.2U	2,4,5-TRICHLOROPHENOL
2.6U	2-CHLORONAPHTHALENE
13.2U	2-NITROANILINE
2.6U	DIMETHYL PHTHALATE
2.6U	ACENAPHTHYLENE
13.2U	3-NITROANILINE
2.6U	ACENAPHTHENE
13.2U	2,4-DINITROPHENOL
13.2U	4-NITROPHENOL
2.6U	DIBENZOFURAN
2.6U	2,4-DINITROTOLUENE
2.6U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-017

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-19 @0-12"

2.6U	DIETHYLPHTHALATE
2.6U	4-CHLOROPHENYL-PHENYLETHER
2.6U	FLUORENE
13.2U	4-NITROANILINE
13.2U	4,6-DINITRO-2-METHYLPHENOL
2.6U	N-NITROSODIPHENYLAMINE(1)
2.6U	4-BROMOPHENYL-PHENYLETHER
2.6U	HEXACHLOROBENZENE
13.2U	PENTACHLOROPHENOL
2.6U	PHENANTHRENE
2.6U	ANTHRACENE
2.6U	DI-N-BUTYLPHTHALATE
2.6U	FLUORANTHENE
26 U	BENZIDINE
2.6U	PYRENE
2.6U	BUTYLBENZYLPHTHALATE
5.2U	3,3-DICHLOROBENZIDINE
2.6U	BENZO(a)ANTHRACENE
6.0	BIS(2-ETHYLHEXYL)PHTHALATE
2.6U	CHRYSENE
2.6U	DI-N-OCTYLPHTHALATE
2.6U	BENZO(b)FLUORANTHENE
2.6U	BENZO(k)FLUORANTHENE
2.6U	BENZO(a)PYRENE
2.6U	INDENO(1,2,3-cd)PYRENE
2.6U	DIBENZ(a,h)ANTHRACENE
2.6U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
83	NITROBENZENE-D5
66	2-FLUOROBIPHENYL
66	TERPHENYL
35	PHENOL-D5
42	2-FLUOROPHENOL
57	2,4,6-TRIBROMOPHENOL

COMMENTS: DILUTION FACTOR: 5 (GPC 1.6) SAMPLE 30.3g

ANALYTICAL TECHNOLOGIES, INC. ATI I.D. #28805-018

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-23 @12-18"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-29-85
DATE REPORTED: 11-06-85

1.0U	N-NITROSODIMETHYLAMINE
1.0U	PHENOL
1.0U	ANILINE
1.0U	BIS-(2-CHLOROETHYL)ETHER
1.0U	2-CHLOROPHENOL
1.0U	1,3-DICHLOROBENZENE
1.0U	1,4-DICHLOROBENZENE
1.0U	BENZYL ALCOHOL
1.0U	1,2-DICHLOROBENZENE
1.0U	2-METHYLPHENOL
1.0U	BIS(2-CHLOROISOPROPYL)ETHER
1.0U	4-METHYLPHENOL
1.0U	N-NITROSO-DI-N-PROPYLAMINE
1.0U	HEXACHLOROETHANE
1.0U	NITROBENZENE
1.0U	ISOPHORONE
1.0U	2-NITROPHENOL
1.0U	2,4-DIMETHYLPHENOL
5.0U	BENZOIC ACID
1.0U	BIS(2-CHLOROETHOXYL)METHANE
1.0U	2,4-DICHLOROPHENOL
1.0U	1,2,4-TRICHLOROBENZENE
1.0U	NAPHTHALENE
1.0U	4-CHLOROANILINE
1.0U	HEXACHLOROBUTADIENE
1.0U	4-CHLORO-3-METHYLPHENOL
1.0U	2-METHYLNAPHTHALENE
1.0U	HEXACHLOROCYCLOPENTADIENE
1.0U	2,4,6-TRICHLOROPHENOL
5.0U	2,4,5-TRICHLOROPHENOL
1.0U	2-CHLORONAPHTHALENE
5.0U	2-NITROANILINE
1.0U	DIMETHYL PHTHALATE
1.0U	ACENAPHTHYLENE
5.0U	3-NITROANILINE
1.0U	ACENAPHTHENE
5.0U	2,4-DINITROPHENOL
5.0U	4-NITROPHENOL
1.0U	DIBENZOFURAN
1.0U	2,4-DINITROTOLUENE
1.0U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-018

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-23 @12-18"

1.0U	DIETHYLPHTHALATE
1.0U	4-CHLOROPHENYL-PHENYLETHER
1.0U	FLUORENE
5.0U	4-NITROANILINE
5.0U	4,6-DINITRO-2-METHYLPHENOL
1.0U	N-NITROSODIPHENYLAMINE(1)
1.0U	4-BROMOPHENYL-PHENYLETHER
1.0U	HEXACHLOROBENZENE
5.0U	PENTACHLOROPHENOL
1.0U	PHENANTHRENE
1.0U	ANTHRACENE
1.0U	DI-N-BUTYLPHTHALATE
1.0U	FLUORANTHENE
10.0U	BENZIDINE
1.0U	PYRENE
1.0U	BUTYLBENZYLPHTHALATE
2.0U	3,3-DICHLOROBENZIDINE
1.0U	BENZO(a)ANTHRACENE
1.0U	BIS(2-ETHYLHEXYL)PHTHALATE
1.0U	CHRYSENE
1.0U	DI-N-OCTYLPHTHALATE
1.0U	BENZO(b)FLUORANTHENE
1.0U	BENZO(k)FLUORANTHENE
1.0U	BENZO(a)PYRENE
1.0U	INDENO(1,2,3-cd)PYRENE
1.0U	DIBENZ(a,h)ANTHRACENE
1.0U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

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SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
86	NITROBENZENE-D5
59	2-FLUOROBIPHENYL
59	TERPHENYL
24	PHENOL-D5
42	2-FLUOROPHENOL
57	2,4,6-TRIBROMOPHENOL

COMMENTS: DILUTION FACTOR: 2 (GPC 1.6) SAMPLE 30.5g

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-019

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-24 @20-36"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-23-85
DATE REPORTED: 11-06-85

0.5U	N-NITROSODIMETHYLAMINE
0.5U	PHENOL
0.5U	ANILINE
0.5U	BIS-(2-CHLOROETHYL)ETHER
0.5U	2-CHLOROPHENOL
0.5U	1,3-DICHLOROBENZENE
0.5U	1,4-DICHLOROBENZENE
0.5U	BENZYL ALCOHOL
0.5U	1,2-DICHLOROBENZENE
0.5U	2-METHYLPHENOL
0.5U	BIS(2-CHLOROISOPROPYL)ETHER
0.5U	4-METHYLPHENOL
0.5U	N-NITROSO-DI-N-PROPYLAMINE
0.5U	HEXACHLOROETHANE
0.5U	NITROBENZENE
0.5U	ISOPHORONE
0.5U	2-NITROPHENOL
0.5U	2,4-DIMETHYLPHENOL
2.5U	BENZOIC ACID
0.5U	BIS(2-CHLOROETHOXYL)METHANE
0.5U	2,4-DICHLOROPHENOL
0.5U	1,2,4-TRICHLOROBENZENE
0.5U	NAPHTHALENE
0.5U	4-CHLOROANILINE
0.5U	HEXACHLOROBUTADIENE
0.5U	4-CHLORO-3-METHYLPHENOL
0.5U	2-METHYLNAPHTHALENE
0.5U	HEXACHLOROCYCLOPENTADIENE
0.5U	2,4,6-TRICHLOROPHENOL
2.5U	2,4,5-TRICHLOROPHENOL
0.5U	2-CHLORONAPHTHALENE
2.5U	2-NITROANILINE
0.5U	DIMETHYL PHTHALATE
0.5U	ACENAPHTHYLENE
2.5U	3-NITROANILINE
0.5U	ACENAPHTHENE
2.5U	2,4-DINITROPHENOL
2.5U	4-NITROPHENOL
0.5U	DIBENZOFURAN
0.5U	2,4-DINITROTOLUENE
0.5U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-019

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-24 @20-36"

0.5U	DIETHYLPHTHALATE
0.5U	4-CHLOROPHENYL-PHENYLETHER
0.5U	FLUORENE
2.5U	4-NITROANILINE
2.5U	4,6-DINITRO-2-METHYLPHENOL
0.5U	N-NITROSODIPHENYLAMINE(1)
0.5U	4-BROMOPHENYL-PHENYLETHER
0.5U	HEXACHLOROBENZENE
2.5U	PENTACHLOROPHENOL
0.5U	PHENANTHRENE
0.5U	ANTHRACENE
0.5U	DI-N-BUTYLPHTHALATE
0.5U	FLUORANTHENE
5.0U	BENZIDINE
0.5U	PYRENE
0.64	BUTYLBENZYLPHTHALATE
1.0U	3,3-DICHLOROBENZIDINE
0.5U	BENZO(a)ANTHRACENE
3.6	BIS(2-ETHYLHEXYL)PHTHALATE
0.5U	CHRYSENE
0.5U	DI-N-OCTYLPHTHALATE
0.5U	BENZO(b)FLUORANTHENE
0.5U	BENZO(k)FLUORANTHENE
0.5U	BENZO(a)PYRENE
0.5U	INDENO(1,2,3-cd)PYRENE
0.5U	DIBENZ(a,h)ANTHRACENE
0.5U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
150	NITROBENZENE-D5
96	2-FLUOROBIPHENYL
81	TERPHENYL
110	PHENOL-D5
92	2-FLUOROPHENOL
54	2,4,6-TRIBROMOPHENOL

COMMENTS: DILUTION FACTOR: 1 (GPC 1.6) SAMPLE 30.2g

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-020

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-24 @36-48"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-29-85
DATE REPORTED: 11-06-85

0.5U	N-NITROSODIMETHYLAMINE
0.5U	PHENOL
0.5U	ANILINE
0.5U	BIS-(2-CHLOROETHYL)ETHER
0.5U	2-CHLOROPHENOL
0.5U	1,3-DICHLOROBENZENE
0.5U	1,4-DICHLOROBENZENE
0.5U	BENZYL ALCOHOL
0.5U	1,2-DICHLOROBENZENE
0.5U	2-METHYLPHENOL
0.5U	BIS(2-CHLOROISOPROPYL)ETHER
0.5U	4-METHYLPHENOL
0.5U	N-NITROSO-DI-N-PROPYLAMINE
0.5U	HEXACHLOROETHANE
0.5U	NITROBENZENE
0.5U	ISOPHORONE
0.5U	2-NITROPHENOL
0.5U	2,4-DIMETHYLPHENOL
2.5U	BENZOIC ACID
0.5U	BIS(2-CHLOROETHOXYL)METHANE
0.5U	2,4-DICHLOROPHENOL
0.5U	1,2,4-TRICHLOROBENZENE
0.5U	NAPHTHALENE
0.5U	4-CHLOROANILINE
0.5U	HEXACHLOROBUTADIENE
0.5U	4-CHLORO-3-METHYLPHENOL
0.5U	2-METHYLNAPHTHALENE
0.5U	HEXACHLOROCYCLOPENTADIENE
0.5U	2,4,6-TRICHLOROPHENOL
2.5U	2,4,5-TRICHLOROPHENOL
0.5U	2-CHLORONAPHTHALENE
2.5U	2-NITROANILINE
0.5U	DIMETHYL PHTHALATE
0.5U	ACENAPHTHYLENE
2.5U	3-NITROANILINE
0.5U	ACENAPHTHENE
2.5U	2,4-DINITROPHENOL
2.5U	4-NITROPHENOL
0.5U	DIBENZOFURAN
0.5U	2,4-DINITROTOLUENE
0.5U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-020

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-24 @36-48"

0.5U	DIETHYLPHTHALATE
0.5U	4-CHLOROPHENYL-PHENYLETHER
0.5U	FLUORENE
2.5U	4-NITROANILINE
2.5U	4,6-DINITRO-2-METHYLPHENOL
0.5U	N-NITROSODIPHENYLAMINE(1)
0.5U	4-BROMOPHENYL-PHENYLETHER
0.5U	HEXACHLOROBENZENE
2.5U	PENTACHLOROPHENOL
0.5U	PHENANTHRENE
0.5U	ANTHRACENE
0.5U	DI-N-BUTYLPHTHALATE
0.5U	FLUORANTHENE
5.0U	BENZIDINE
0.5U	PYRENE
0.5U	BUTYLBENZYLPHTHALATE
1.0U	3,3-DICHLOROBENZIDINE
0.5U	BENZO(a)ANTHRACENE
0.5U	BIS(2-ETHYLHEXYL)PHTHALATE
0.5U	CHRYSENE
0.5U	DI-N-OCTYLPHTHALATE
0.5U	BENZO(b)FLUORANTHENE
0.5U	BENZO(k)FLUORANTHENE
0.5U	BENZO(a)PYRENE
0.5U	INDENO(1,2,3-cd)PYRENE
0.5U	DIBENZ(a,h)ANTHRACENE
0.5U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

[redacted]

SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
103	NITROBENZENE-D5
62	2-FLUOROBIPHENYL
78	TERPHENYL
54	PHENOL-D5
42	2-FLUOROPHENOL
57	2,4,6-TRIBROMOPHENOL

COMMENTS: DILUTION FACTOR: 1 (GPC 1.6) SAMPLE 30.6g

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-021

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-24 @48-58"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-29-85
DATE REPORTED: 11-06-85

0.5U	N-NITROSODIMETHYLAMINE
0.5U	PHENOL
0.5U	ANILINE
0.5U	BIS-(2-CHLOROETHYL)ETHER
0.5U	2-CHLOROPHENOL
0.5U	1,3-DICHLOROBENZENE
0.5U	1,4-DICHLOROBENZENE
0.5U	BENZYL ALCOHOL
0.5U	1,2-DICHLOROBENZENE
0.5U	2-METHYLPHENOL
0.5U	BIS(2-CHLORDISOPROPYL)ETHER
0.5U	4-METHYLPHENOL
0.5U	N-NITROSO-DI-N-PROPYLAMINE
0.5U	HEXACHLOROETHANE
0.5U	NITROBENZENE
0.5U	ISOPHORONE
0.5U	2-NITROPHENOL
0.5U	2,4-DIMETHYLPHENOL
2.5U	BENZOIC ACID
0.5U	BIS(2-CHLOROETHOXYL)METHANE
0.5U	2,4-DICHLOROPHENOL
0.5U	1,2,4-TRICHLOROBENZENE
0.5U	NAPHTHALENE
0.5U	4-CHLOROANILINE
0.5U	HEXACHLOROBUTADIENE
0.5U	4-CHLORO-3-METHYLPHENOL
0.5U	2-METHYLNAPHTHALENE
0.5U	HEXACHLOROCYCLOPENTADIENE
0.5U	2,4,6-TRICHLOROPHENOL
2.5U	2,4,5-TRICHLOROPHENOL
0.5U	2-CHLORONAPHTHALENE
2.5U	2-NITROANILINE
0.5U	DIMETHYL PHTHALATE
0.5U	ACENAPHTHYLENE
2.5U	3-NITROANILINE
0.5U	ACENAPHTHENE
2.5U	2,4-DINITROPHENOL
2.5U	4-NITROPHENOL
0.5U	DIBENZOFURAN
0.5U	2,4-DINITROTOLUENE
0.5U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-021

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-24 @48-58"

0.5U	DIETHYLPHTHALATE
0.5U	4-CHLOROPHENYL-PHENYLETHER
0.5U	FLUORENE
2.5U	4-NITROANILINE
2.5U	4,6-DINITRO-2-METHYLPHENOL
0.5U	N-NITROSODIPHENYLAMINE(1)
0.5U	4-BROMOPHENYL-PHENYLETHER
0.5U	HEXACHLOROBENZENE
2.5U	PENTACHLOROPHENOL
0.5U	PHENANTHRENE
0.5U	ANTHRACENE
0.5U	DI-N-BUTYLPHTHALATE
0.5U	FLUORANTHENE
5.0U	BENZIDINE
0.5U	PYRENE
0.5U	BUTYLBENZYLPHTHALATE
1.0U	3,3-DICHLOROBENZIDINE
0.5U	BENZO(a)ANTHRACENE
0.5U	BIS(2-ETHYLHEXYL)PHTHALATE
0.5U	CHRYSENE
0.5U	DI-N-OCTYLPHTHALATE
0.5U	BENZO(b)FLUORANTHENE
0.5U	BENZO(k)FLUORANTHENE
0.5U	BENZO(a)PYRENE
0.5U	INDENO(1,2,3-cd)PYRENE
0.5U	DIBENZ(a,h)ANTHRACENE
0.5U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
100	NITROBENZENE-D5
62	2-FLUOROBIPHENYL
71	TERPHENYL
55	PHENOL-D5
48	2-FLUOROPHENOL
63	2,4,6-TRIBROMOPHENOL

COMMENTS: DILUTION FACTOR: 1 (GPC 1.6) SAMPLE 30.1g

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-022

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-25 @0-10"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-29-85
DATE REPORTED: 11-06-85

1.0U	N-NITROSODIMETHYLAMINE
1.0U	PHENOL
1.0U	ANILINE
1.0U	BIS-(2-CHLOROETHYL)ETHER
1.0U	2-CHLOROPHENOL
1.0U	1,3-DICHLOROBENZENE
1.0U	1,4-DICHLOROBENZENE
1.0U	BENZYL ALCOHOL
1.0U	1,2-DICHLOROBENZENE
1.0U	2-METHYLPHENOL
1.0U	BIS(2-CHLOROISOPROPYL)ETHER
1.0U	4-METHYLPHENOL
1.0U	N-NITROSO-DI-N-PROPYLAMINE
1.0U	HEXACHLOROETHANE
1.0U	NITROBENZENE
1.0U	ISOPHORONE
1.0U	2-NITROPHENOL
1.0U	2,4-DIMETHYLPHENOL
5.0U	BENZOIC ACID
1.0U	BIS(2-CHLOROETHOXYL)METHANE
1.0U	2,4-DICHLOROPHENOL
1.0U	1,2,4-TRICHLOROBENZENE
1.0U	NAPHTHALENE
1.0U	4-CHLOROANILINE
1.0U	HEXACHLOROBUTADIENE
1.0U	4-CHLORO-3-METHYLPHENOL
1.0U	2-METHYLNAPHTHALENE
1.0U	HEXACHLOROCYCLOPENTADIENE
1.0U	2,4,6-TRICHLOROPHENOL
5.0U	2,4,5-TRICHLOROPHENOL
1.0U	2-CHLORONAPHTHALENE
5.0U	2-NITROANILINE
1.0U	DIMETHYL PHTHALATE
1.0U	ACENAPHTHYLENE
5.0U	3-NITROANILINE
1.0U	ACENAPHTHENE
5.0U	2,4-DINITROPHENOL
5.0U	4-NITROPHENOL
1.0U	DIBENZOFURAN
1.0U	2,4-DINITROTOLUENE
1.0U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-022

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-25 @0-10"

1.0U	DIETHYLPHTHALATE
1.0U	4-CHLOROPHENYL-PHENYLETHER
1.0U	FLUORENE
5.0U	4-NITROANILINE
5.0U	4,6-DINITRO-2-METHYLPHENOL
1.0U	N-NITROSODIPHENYLAMINE(1)
1.0U	4-BROMOPHENYL-PHENYLETHER
1.0U	HEXACHLOROBENZENE
5.0U	PENTACHLOROPHENOL
1.0U	PHENANTHRENE
1.0U	ANTHRACENE
1.0U	DI-N-BUTYLPHTHALATE
1.0U	FLUORANTHENE
10.0U	BENZIDINE
1.0U	PYRENE
1.0U	BUTYLBENZYLPHTHALATE
2.0U	3,3-DICHLOROBENZIDINE
1.0U	BENZO(a)ANTHRACENE
1.0U	BIS(2-ETHYLHEXYL)PHTHALATE
1.0U	CHRYSENE
1.0U	DI-N-OCTYLPHTHALATE
1.0U	BENZO(b)FLUORANTHENE
1.0U	BENZO(k)FLUORANTHENE
1.0U	BENZO(a)PYRENE
1.0U	INDENO(1,2,3-cd)PYRENE
1.0U	DIBENZ(a,h)ANTHRACENE
1.0U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL

SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
92	NITROBENZENE-D5
67	2-FLUOROBIPHENYL
41	TERPHENYL
36	PHENOL-D5
45	2-FLUOROPHENOL
130	2,4,6-TRIBROMOPHENOL

COMMENTS: DILUTION FACTOR: 2 (GPC 1.6) SAMPLE 30.3g

ANALYTICAL TECHNOLOGIES, INC. ATI I.D. #28805-023

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-26 @24-30"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-30-85
DATE REPORTED: 11-07-85

0.5U	N-NITROSODIMETHYLAMINE
0.5U	PHENOL
0.5U	ANILINE
0.5U	BIS-(2-CHLOROETHYL)ETHER
0.5U	2-CHLOROPHENOL
0.5U	1,3-DICHLOROBENZENE
0.5U	1,4-DICHLOROBENZENE
0.5U	BENZYL ALCOHOL
0.5U	1,2-DICHLOROBENZENE
0.5U	2-METHYLPHENOL
0.5U	BIS(2-CHLOROISOPROPYL)ETHER
0.5U	4-METHYLPHENOL
0.5U	N-NITROSO-DI-N-PROPYLAMINE
0.5U	HEXACHLOROETHANE
0.5U	NITROBENZENE
0.5U	ISOPHORONE
0.5U	2-NITROPHENOL
0.5U	2,4-DIMETHYLPHENOL
2.5U	BENZOIC ACID
0.5U	BIS(2-CHLOROETHOXYL)METHANE
0.5U	2,4-DICHLOROPHENOL
0.5U	1,2,4-TRICHLOROBENZENE
0.5U	NAPHTHALENE
0.5U	4-CHLOROANILINE
0.5U	HEXACHLOROBUTADIENE
0.5U	4-CHLORO-3-METHYLPHENOL
0.5U	2-METHYLNAPHTHALENE
0.5U	HEXACHLOROCYCLOPENTADIENE
0.5U	2,4,6-TRICHLOROPHENOL
2.5U	2,4,5-TRICHLOROPHENOL
0.5U	2-CHLORONAPHTHALENE
2.5U	2-NITROANILINE
0.5U	DIMETHYL PHTHALATE
0.5U	ACENAPHTHYLENE
2.5U	3-NITROANILINE
0.5U	ACENAPHTHENE
2.5U	2,4-DINITROPHENOL
2.5U	4-NITROPHENOL
0.5U	DIBENZOFURAN
0.5U	2,4-DINITROTOLUENE
0.5U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-023

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-26 @24-30"

0.5U	DIETHYLPHTHALATE
0.5U	4-CHLOROPHENYL-PHENYLETHER
0.5U	FLUORENE
2.5U	4-NITROANILINE
2.5U	4,6-DINITRO-2-METHYLPHENOL
0.5U	N-NITROSODIPHENYLAMINE(1)
0.5U	4-BROMOPHENYL-PHENYLETHER
0.5U	HEXACHLOROBENZENE
2.5U	PENTACHLOROPHENOL
0.5U	PHENANTHRENE
0.5U	ANTHRACENE
0.5U	DI-N-BUTYLPHTHALATE
0.5U	FLUORANTHENE
5.0U	BENZIDINE
0.5U	PYRENE
0.5U	BUTYLBENZYLPHTHALATE
1.0U	3,3-DICHLOROBENZIDINE
0.5U	BENZO(a)ANTHRACENE
0.53	BIS(2-ETHYLHEXYL)PHTHALATE
0.5U	CHRYSENE
0.5U	DI-N-OCTYLPHTHALATE
0.5U	BENZO(b)FLUORANTHENE
0.5U	BENZO(k)FLUORANTHENE
0.5U	BENZO(a)PYRENE
0.5U	INDENO(1,2,3-cd)PYRENE
0.5U	DIBENZ(a,h)ANTHRACENE
0.5U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
114	NITROBENZENE-D5
55	2-FLUOROBIPHENYL
64	TERPHENYL
68	PHENOL-D5
50	2-FLUOROPHENOL
77	2,4,6-TRIBROMOPHENOL

COMMENTS: DILUTION FACTOR: 1 (GPC 1.6) SAMPLE 30.9g

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-034

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-28 @12-24"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 11-01-85
DATE REPORTED: 11-06-85

0.5U	N-NITROSODIMETHYLAMINE
0.5U	PHENOL
0.5U	ANILINE
0.5U	BIS-(2-CHLOROETHYL)ETHER
0.5U	2-CHLOROPHENOL
0.5U	1,3-DICHLOROBENZENE
0.5U	1,4-DICHLOROBENZENE
0.5U	BENZYL ALCOHOL
0.5U	1,2-DICHLOROBENZENE
0.5U	2-METHYLPHENOL
0.5U	BIS(2-CHLOROISOPROPYL)ETHER
0.5U	4-METHYLPHENOL
0.5U	N-NITROSO-DI-N-PROPYLAMINE
0.5U	HEXACHLOROETHANE
0.5U	NITROBENZENE
0.5U	ISOPHORONE
0.5U	2-NITROPHENOL
0.5U	2,4-DIMETHYLPHENOL
2.5U	BENZOIC ACID
0.5U	BIS(2-CHLOROETHOXYL)METHANE
0.5U	2,4-DICHLOROPHENOL
0.5U	1,2,4-TRICHLOROBENZENE
0.5U	NAPHTHALENE
0.5U	4-CHLOROANILINE
0.5U	HEXACHLOROBUTADIENE
0.5U	4-CHLORO-3-METHYLPHENOL
0.5U	2-METHYLNAPHTHALENE
0.5U	HEXACHLOROCYCLOPENTADIENE
0.5U	2,4,6-TRICHLOROPHENOL
2.5U	2,4,5-TRICHLOROPHENOL
0.5U	2-CHLORONAPHTHALENE
2.5U	2-NITROANILINE
0.5U	DIMETHYL PHTHALATE
0.5U	ACENAPHTHYLENE
2.5U	3-NITROANILINE
0.5U	ACENAPHTHENE
2.5U	2,4-DINITROPHENOL
2.5U	4-NITROPHENOL
0.5U	DIBENZOFURAN
0.5U	2,4-DINITROTOLUENE
0.5U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-034

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-28 @12-24"

0.5U	DIETHYLPHTHALATE
0.5U	4-CHLOROPHENYL-PHENYLETHER
0.5U	FLUORENE
2.5U	4-NITROANILINE
2.5U	4,6-DINITRO-2-METHYLPHENOL
0.5U	N-NITROSODIPHENYLAMINE(1)
0.5U	4-BROMOPHENYL-PHENYLETHER
0.5U	HEXACHLOROBENZENE
2.5U	PENTACHLOROPHENOL
0.5U	PHENANTHRENE
0.5U	ANTHRACENE
0.5U	DI-N-BUTYLPHTHALATE
0.5U	FLUORANTHENE
5.0U	BENZIDINE
0.5U	PYRENE
0.5U	BUTYLBENZYLPHTHALATE
1.0U	3,3-DICHLOROBENZIDINE
0.5U	BENZO(a)ANTHRACENE
0.5U	BIS(2-ETHYLHEXYL)PHTHALATE
0.5U	CHRYSENE
0.5U	DI-N-OCTYLPHTHALATE
0.5U	BENZO(b)FLUORANTHENE
0.5U	BENZO(k)FLUORANTHENE
0.5U	BENZO(a)PYRENE
0.5U	INDENO(1,2,3-cd)PYRENE
0.5U	DIBENZ(a,h)ANTHRACENE
0.5U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
26	NITROBENZENE-D5
53	2-FLUOROBIPHENYL
56	TERPHENYL
33	PHENOL-D5
40	2-FLUOROPHENOL
67	2,4,6-TRIBROMOPHENOL

COMMENTS: DILUTION FACTOR: 1 (GPC 1.6) SAMPLE 30.4g

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-035

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-32 @24-36"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 11-07-85
DATE REPORTED: 11-07-85

0.5U	N-NITROSODIMETHYLAMINE
0.5U	PHENOL
0.5U	ANILINE
0.5U	BIS-(2-CHLOROETHYL)ETHER
0.5U	2-CHLOROPHENOL
0.5U	1,3-DICHLOROBENZENE
0.5U	1,4-DICHLOROBENZENE
0.5U	BENZYL ALCOHOL
0.5U	1,2-DICHLOROBENZENE
0.5U	2-METHYLPHENOL
0.5U	BIS(2-CHLOROISOPROPYL)ETHER
0.5U	4-METHYLPHENOL
0.5U	N-NITROSO-DI-N-PROPYLAMINE
0.5U	HEXACHLOROETHANE
0.5U	NITROBENZENE
0.5U	ISOPHORONE
0.5U	2-NITROPHENOL
0.5U	2,4-DIMETHYLPHENOL
2.5U	BENZOIC ACID
0.5U	BIS(2-CHLOROETHOXYL)METHANE
0.5U	2,4-DICHLOROPHENOL
0.5U	1,2,4-TRICHLOROBENZENE
0.5U	NAPHTHALENE
0.5U	4-CHLOROANILINE
0.5U	HEXACHLOROBUTADIENE
0.5U	4-CHLORO-3-METHYLPHENOL
0.5U	2-METHYLNAPHTHALENE
0.5U	HEXACHLOROCYCLOPENTADIENE
0.5U	2,4,6-TRICHLOROPHENOL
2.5U	2,4,5-TRICHLOROPHENOL
[redacted]	[redacted]
2.5U	2-NITROANILINE
0.5U	DIMETHYL PHTHALATE
0.5U	ACENAPHTHYLENE
2.5U	3-NITROANILINE
0.5U	ACENAPHTHENE
2.5U	2,4-DINITROPHENOL
2.5U	4-NITROPHENOL
0.5U	DIBENZOFURAN
0.5U	2,4-DINITROTOLUENE
0.5U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-035

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-32 @24-36"

0.5U	DIETHYLPHTHALATE
0.5U	4-CHLOROPHENYL-PHENYLETHER
0.5U	FLUORENE
2.5U	4-NITROANILINE
2.5U	4,6-DINITRO-2-METHYLPHENOL
0.5U	N-NITROSODIPHENYLAMINE(1)
0.5U	4-BROMOPHENYL-PHENYLETHER
0.5U	HEXACHLOROBENZENE
2.5U	PENTACHLOROPHENOL
0.5U	PHENANTHRENE
0.5U	ANTHRACENE
0.5U	DI-N-BUTYLPHTHALATE
0.5U	FLUORANTHENE
5.0U	BENZIDINE
0.5U	PYRENE
0.5U	BUTYLBENZYLPHTHALATE
1.0U	3,3-DICHLOROBENZIDINE
0.5U	BENZO(a)ANTHRACENE
0.98	BIS(2-ETHYLHEXYL)PHTHALATE
0.5U	CHRYSENE
0.5U	DI-N-OCTYLPHTHALATE
0.5U	BENZO(b)FLUORANTHENE
0.5U	BENZO(k)FLUORANTHENE
0.5U	BENZO(a)PYRENE
0.5U	INDENO(1,2,3-cd)PYRENE
0.5U	DIBENZ(a,h)ANTHRACENE
0.5U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
102	NITROBENZENE-D5
72	2-FLUOROBIPHENYL
79	TERPHENYL
67	PHENOL-D5
53	2-FLUOROPHENOL
63	2,4,6-TRIBROMOPHENOL

COMMENTS: DILUTION FACTOR: 1 (GPC 1.6) SAMPLE 30.6g

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-036

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-32 @48-60"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-23-85
DATE REPORTED: 11-06-85

0.5U	N-NITROSODIMETHYLAMINE
0.5U	PHENOL
0.5U	ANILINE
0.5U	BIS-(2-CHLOROETHYL)ETHER
0.5U	2-CHLOROPHENOL
0.5U	1,3-DICHLOROBENZENE
0.5U	1,4-DICHLOROBENZENE
0.5U	BENZYL ALCOHOL
0.5U	1,2-DICHLOROBENZENE
0.5U	2-METHYLPHENOL
0.5U	BIS(2-CHLOROISOPROPYL)ETHER
0.5U	4-METHYLPHENOL
0.5U	N-NITROSO-DI-N-PROPYLAMINE
0.5U	HEXACHLOROETHANE
0.5U	NITROBENZENE
0.5U	ISOPHORONE
0.5U	2-NITROPHENOL
0.5U	2,4-DIMETHYLPHENOL
2.5U	BENZOIC ACID
0.5U	BIS(2-CHLOROETHOXYL)METHANE
0.5U	2,4-DICHLOROPHENOL
0.5U	1,2,4-TRICHLOROBENZENE
0.5U	NAPHTHALENE
0.5U	4-CHLOROANILINE
0.5U	HEXACHLOROBUTADIENE
0.5U	4-CHLORO-3-METHYLPHENOL
0.5U	2-METHYLNAPHTHALENE
0.5U	HEXACHLOROCYCLOPENTADIENE
0.5U	2,4,6-TRICHLOROPHENOL
2.5U	2,4,5-TRICHLOROPHENOL
0.5U	2-CHLORONAPHTHALENE
2.5U	2-NITROANILINE
0.5U	DIMETHYL PHTHALATE
0.5U	ACENAPHTHYLENE
2.5U	3-NITROANILINE
0.5U	ACENAPHTHENE
2.5U	2,4-DINITROPHENOL
2.5U	4-NITROPHENOL
0.5U	DIBENZOFURAN
0.5U	2,4-DINITROTOLUENE
0.5U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-036

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-32 @48-60"

0.5U	DIETHYLPHTHALATE
0.5U	4-CHLOROPHENYL-PHENYLETHER
0.5U	FLUORENE
2.5U	4-NITROANILINE
2.5U	4,6-DINITRO-2-METHYLPHENOL
0.5U	N-NITROSODIPHENYLAMINE(1)
0.5U	4-BROMOPHENYL-PHENYLETHER
0.5U	HEXACHLOROBENZENE
2.5U	PENTACHLOROPHENOL
0.5U	PHENANTHRENE
0.5U	ANTHRACENE
0.5U	DI-N-BUTYLPHTHALATE
0.5U	FLUORANTHENE
5.0U	BENZIDINE
0.5U	PYRENE
0.5U	BUTYLBENZYLPHTHALATE
1.0U	3,3-DICHLOROBENZIDINE
0.5U	BENZO(a)ANTHRACENE
3.4	BIS(2-ETHYLHEXYL)PHTHALATE
0.5U	CHRYSENE
0.5U	DI-N-OCTYLPHTHALATE
0.5U	BENZO(b)FLUORANTHENE
0.5U	BENZO(k)FLUORANTHENE
0.5U	BENZO(a)PYRENE
0.5U	INDENO(1,2,3-cd)PYRENE
0.5U	DIBENZ(a,h)ANTHRACENE
0.5U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
106	NITROBENZENE-D5
64	2-FLUOROBIPHENYL
70	TERPHENYL
69	PHENOL-D5
62	2-FLUOROPHENOL
42	2,4,6-TRIBROMOPHENOL

COMMENTS: DILUTION FACTOR: 1 (GPC 1.6) SAMPLE 30.1g

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-037

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: A-3 @0-12"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 11-01-85
DATE REPORTED: 11-06-85

0.5U	N-NITROSODIMETHYLAMINE
0.5U	PHENOL
0.5U	ANILINE
0.5U	BIS-(2-CHLOROETHYL)ETHER
0.5U	2-CHLOROPHENOL
0.5U	1,3-DICHLOROBENZENE
0.5U	1,4-DICHLOROBENZENE
0.5U	BENZYL ALCOHOL
0.5U	1,2-DICHLOROBENZENE
0.5U	2-METHYLPHENOL
0.5U	BIS(2-CHLOROISOPROPYL)ETHER
0.5U	4-METHYLPHENOL
0.5U	N-NITROSO-DI-N-PROPYLAMINE
0.5U	HEXACHLOROETHANE
0.5U	NITROBENZENE
0.5U	ISOPHORONE
0.5U	2-NITROPHENOL
0.5U	2,4-DIMETHYLPHENOL
2.5U	BENZOIC ACID
0.5U	BIS(2-CHLOROETHOXYL)METHANE
0.5U	2,4-DICHLOROPHENOL
0.5U	1,2,4-TRICHLOROBENZENE
0.5U	NAPHTHALENE
0.5U	4-CHLOROANILINE
0.5U	HEXACHLOROBUTADIENE
0.5U	4-CHLORO-3-METHYLPHENOL
0.5U	2-METHYLNAPHTHALENE
0.5U	HEXACHLOROCYCLOPENTADIENE
0.5U	2,4,6-TRICHLOROPHENOL
2.5U	2,4,5-TRICHLOROPHENOL
[redacted]	[redacted]
2.5U	2-NITROANILINE
0.5U	DIMETHYL PHTHALATE
0.5U	ACENAPHTHYLENE
2.5U	3-NITROANILINE
0.5U	ACENAPHTHENE
2.5U	2,4-DINITROPHENOL
2.5U	4-NITROPHENOL
0.5U	DIBENZOFURAN
0.5U	2,4-DINITROTOLUENE
0.5U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-037

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: A-3 @0-12"

0.5U	DIETHYLPHTHALATE
0.5U	4-CHLOROPHENYL-PHENYLETHER
0.5U	FLUORENE
2.5U	4-NITROANILINE
2.5U	4,6-DINITRO-2-METHYLPHENOL
0.5U	N-NITROSODIPHENYLAMINE(1)
0.5U	4-BROMOPHENYL-PHENYLETHER
0.5U	HEXACHLOROBENZENE
2.5U	PENTACHLOROPHENOL
0.5U	PHENANTHRENE
0.5U	ANTHRACENE
0.5U	DI-N-BUTYLPHTHALATE
0.5U	FLUORANTHENE
5.0U	BENZIDINE
0.5U	PYRENE
0.5U	BUTYLBENZYLPHTHALATE
1.0U	3,3-DICHLOROBENZIDINE
0.5U	BENZO(a)ANTHRACENE
0.67	BIS(2-ETHYLHEXYL)PHTHALATE
0.5U	CHRYSENE
0.5U	DI-N-OCTYLPHTHALATE
0.5U	BENZO(b)FLUORANTHENE
0.5U	BENZO(k)FLUORANTHENE
0.5U	BENZO(a)PYRENE
0.5U	INDENO(1,2,3-cd)PYRENE
0.5U	DIBENZ(a,h)ANTHRACENE
0.5U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
32	NITROBENZENE-D5
55	2-FLUOROBIPHENYL
66	TERPHENYL
24	PHENOL-D5
30	2-FLUOROPHENOL
49	2,4,6-TRIBROMOPHENOL

COMMENTS: DILUTION FACTOR: 1 (GPC 1.6) SAMPLE 30.3g

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-RB

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: Reagent Blank
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-19-85
DATE REPORTED: 11-06-85

0.5U	N-NITROSODIMETHYLAMINE
0.5U	PHENOL
0.5U	ANILINE
0.5U	BIS-(2-CHLOROETHYL)ETHER
0.5U	2-CHLOROPHENOL
0.5U	1,3-DICHLOROBENZENE
0.5U	1,4-DICHLOROBENZENE
0.5U	BENZYL ALCOHOL
0.5U	1,2-DICHLOROBENZENE
0.5U	2-METHYLPHENOL
0.5U	BIS(2-CHLOROISOPROPYL)ETHER
0.5U	4-METHYLPHENOL
0.5U	N-NITROSO-DI-N-PROPYLAMINE
0.5U	HEXACHLOROETHANE
0.5U	NITROBENZENE
0.5U	ISOPHORONE
0.5U	2-NITROPHENOL
0.5U	2,4-DIMETHYLPHENOL
2.5U	BENZOIC ACID
0.5U	BIS(2-CHLOROETHOXYL)METHANE
0.5U	2,4-DICHLOROPHENOL
0.5U	1,2,4-TRICHLOROBENZENE
0.5U	NAPHTHALENE
0.5U	4-CHLOROANILINE
0.5U	HEXACHLOROBUTADIENE
0.5U	4-CHLORO-3-METHYLPHENOL
0.5U	2-METHYLNAPHTHALENE
0.5U	HEXACHLOROCYCLOPENTADIENE
0.5U	2,4,6-TRICHLOROPHENOL
2.5U	2,4,5-TRICHLOROPHENOL
0.5U	2-CHLORONAPHTHALENE
[illegible]	[illegible]
0.5U	DIMETHYL PHTHALATE
0.5U	ACENAPHTHYLENE
2.5U	3-NITROANILINE
0.5U	ACENAPHTHENE
2.5U	2,4-DINITROPHENOL
2.5U	4-NITROPHENOL
0.5U	DIBENZOFURAN
0.5U	2,4-DINITROTOLUENE
0.5U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-RB

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: Reagent Blank

0.5U	DIETHYLPHTHALATE
0.5U	4-CHLOROPHENYL-PHENYLETHER
0.5U	FLUORENE
2.5U	4-NITROANILINE
2.5U	4,6-DINITRO-2-METHYLPHENOL
0.5U	N-NITROSODIPHENYLAMINE(1)
0.5U	4-BROMOPHENYL-PHENYLETHER
0.5U	HEXACHLOROBENZENE
2.5U	PENTACHLOROPHENOL
0.5U	PHENANTHRENE
0.5U	ANTHRACENE
0.5U	DI-N-BUTYLPHTHALATE
0.5U	FLUORANTHENE
5.0U	BENZIDINE
0.5U	PYRENE
0.5U	BUTYLBENZYLPHTHALATE
1.0U	3,3-DICHLOROBENZIDINE
0.5U	BENZO(a)ANTHRACENE
0.5U	BIS(2-ETHYLHEXYL)PHTHALATE
0.5U	CHRYSENE
0.5U	DI-N-OCTYLPHTHALATE
0.5U	BENZO(b)FLUORANTHENE
0.5U	BENZO(k)FLUORANTHENE
0.5U	BENZO(a)PYRENE
0.5U	INDENO(1,2,3-cd)PYRENE
0.5U	DIBENZ(a,h)ANTHRACENE
0.5U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL

[redacted]

% RECOVERY	SURROGATES
97	NITROBENZENE-D5
66	2-FLUOROBIPHENYL
81	TERPHENYL
60	PHENOL-D5
64	2-FLUOROPHENOL
42	2,4,6-TRIBROMOPHENOL

COMMENTS:

AnalyticalTechnologies,Inc. Corporate Offices: 225 W. 30th Street National City, CA 92050 619 477-4173

ATI I.D. 28805

November 6,1985

Southern California Edison
P.O. Box 800
Rosemead, California 90723

P.O. No. : C1305901

Project: Etiwanda

Attention : Chuck Buril

On October 15, 1985, Analytical Technologies, Inc. received thirty seven (37) soil samples for analysis. The samples were analyzed for the California Assessment Manual metals (CAM), petroleum hydrocarbons (Pet H-C), volatile organic acids (VOA), and base/neutral and acid compounds (BNA).

The metals barium (Ba), beryllium (Be), chromium (Cr), cobalt (Co), copper (Cu), molybdenum (Mo), nickel (Ni), silver (Ag), vanadium (V), and zinc (Zn) were analyzed by atomic emission spectroscopy by inductively coupled argon plasma in accordance with EPA method 6010. The metals antimony (Sb), arsenic (As), cadmium (Cd), lead (Pb), selenium (Se), and thallium (Tl) were analyzed by atomic absorption graphite furnace in accordance with EPA methods outlined in the 7000 series. The mercury (Hg) analyses were performed by the cold vapor atomic absorption technique.

The petroleum hydrocarbons were performed by infrared spectroscopy in accordance with EPA method 418.2. The base/nuetral and acid analysis was performed by gas chromatography/mass spectroscopy in accordance with EPA method 8270. The volatile organic analysis was performed by gas chromatography/mass spectroscopy in accordance with EPA method 8240.

The results of these analyses and the quality control data are enclosed.

Shawn Hudson Bjork

for

Tiair K. Augsburger
Technical Associate

Reviewed by :

Mark King
Laboratory Director

Note: The samples from this project will be disposed of thirty (30) days from the date of this report unless we are informed otherwise.

ANALYTICAL TECHNOLOGIES, INC.

ATI I.D. 28805

DATA SHEET

CLIENT :SOUTHERN CALIFORNIA EDISON
DATE RECEIVED:10-15

SAMPLE MATRIX : soil

PROJECT : ETIWANDA

UNITS: mg/kg

ATI SAMPLE I.D.	CLIENT SAMPLE I.D.	PET H-C
1	CB-10 @48"	9
5	CB-7 @24-36"	51
24	CB-13 @48-60"	268
25	CB-13 @120-132"	<5.0
26	CB-14 @0-12"	2830
27	CB-14 @48-60"	<5.0
28	CB-17 @48-60"	<5.0
29	CB-19 @12-24"	28
30	CB-19 @48-60"	8
31	CB-20 @12-24"	2950
32	CB-21 @0-12"	519
33	CB-21 @12-24"	35

ANALYTICAL TECHNOLOGIES, INC.

ATI I.D. 28805

CALIFORNIA ASSESSMENT MANUAL
METALS

CLIENT : SOUTHERN CALIFORNIA EDISON
DATE RECEIVED :10-15
PROJECT :ETIWANDA

SAMPLE MATRIX :SOIL

UNITS : mg/kg

PARAMETER	CLIENT I.D.	CB-7 @ 0-12"	CB-7 @ 12-24"	CB-7 @ 36-48"	CB-3 @ 0-12"	CB-2 @ 0-12"
	ATI I.D.	2	3	4	6	7
ANTIMONY		<1.0	<1.0	<1.0	11.7	<1.0
ARSENIC		20.6	6.3	17.4	6.9	8.0
BARIUM		172	68.2	139	73.2	147
BERYLLIUM		1.4	<1.0	<1.0	<1.0	<1.0
CADMIUM		2.9	0.3	0.23	<0.2	0.4
CHROMIUM		376	90.1	20.7	46.7	42.7
COBALT		13.1	5.5	13.8	4.7	5.3
COPPER		196	56.0	26.1	35.4	69.4
LEAD		171	44.1	9.4	22.5	23.0
MERCURY		0.3	<0.1	<0.1	<0.1	<0.1
MOLYBDENUM		5.9	<1.0	<1.0	1.4	<1.0
NICKEL		120	61.4	59.5	23.1	34.4
SILVER		<2.5	<2.5	<2.5	<2.5	<2.5
SELENIUM		<1.0	<1.0	<1.0	<1.0	<1.0
THALLIUM		<1.0	<1.0	<1.0	<1.0	<1.0
VANADIUM		106	77.8	61.0	37.3	40.7
ZINC		710	96.9	79.2	77.9	122

ANALYTICAL TECHNOLOGIES, INC.

ATI I.D. 28805

CALIFORNIA ASSESSMENT MANUAL
METALS

CLIENT : SOUTHERN CALIFORNIA EDISON
DATE RECEIVED :10-15
PROJECT :ETIWANDA

SAMPLE MATRIX :SOIL

UNITS : mg/kg

PARAMETER	CLIENT I.D.	CB-2 @ 12-24"	CB-2 @ 36-48"	H-1 @ 0-12" 4-8-85	H-3 @ 12-24" 4-8-85	CB-13 @ 12-24"
	ATI I.D.	8	9	10	11	12
ANTIMONY		<1.0	<1.0	<1.0	<1.0	<1.0
ARSENIC		9.6	22.1	10.9	9.4	16.6
BARIUM		66.0	164	69.6	100	123
BERYLLIUM		<1.0	<1.0	<1.0	1.0	1.0
CADMIUM		0.4	<0.2	0.2	<0.2	1.5
CHROMIUM		114	10.3	31.8	15.4	88.6
COBALT		5.7	8.9	6.1	5.76	10.2
COPPER		52.8	9.38	43.2	15.4	83.8
LEAD		44.9	3.6	10.0	7.5	64.0
MERCURY		<0.1	<0.1	<0.1	<0.1	<0.1
MOLYBDENUM		1.8	<1.0	<1.0	<1.0	2.4
NICKEL		55.0	8.4	43.6	7.7	69.2
SILVER		<2.5	<2.5	<2.5	<2.5	<2.5
SELENIUM		<1.0	<1.0	<1.0	<1.0	<1.0
THALLIUM		<1.0	<1.0	<1.0	<1.0	<1.0
VANADIUM		52.8	39.9	43.2	38.4	78.1
ZINC		132	38.9	75.9	38.9	297

ANALYTICAL TECHNOLOGIES, INC.

ATI I.D. 28805

CALIFORNIA ASSESSMENT MANUAL
METALS

CLIENT : SOUTHERN CALIFORNIA EDISON
DATE RECEIVED :10-15
PROJECT :ETIWANDA

SAMPLE MATRIX :SOIL
UNITS : mg/kg

PARAMETER	CLIENT I.D.	CB-13 @ 36-48"	CB-15 @ 12-24"	CB-15 @ 24-36"	CB-15 @ 36-48"	CB-19 @ 0-12"
	ATI I.D.	13	14	15	16	17
ANTIMONY		<1.0	<1.0	<1.0	<1.0	<1.0
ARSENIC		17.4	23.8	19.4	21.4	13.0
BARIUM		117	158	135	131	98
BERYLLIUM		<1.0	1.4	<1.0	<1.0	<1.0
CADMIUM		<0.2	1.0	<0.2	<0.2	0.4
CHROMIUM		12.9	51.4	13.0	11.6	16.9
COBALT		7.4	11.8	8.8	8.7	6.9
COPPER		10.9	49.1	20.4	9.6	23.4
LEAD		4.8	42.3	10.1	4.3	16.6
MERCURY		<0.1	<0.1	<0.1	<0.1	<0.1
MOLYBDENUM		<1.0	<1.0	<1.0	<1.0	<1.0
NICKEL		9.4	78.7	25.5	8.7	39.4
SILVER		<2.5	<2.5	<2.5	<2.5	<2.5
SELENIUM		<1.0	<1.0	<1.0	<1.0	<1.0
THALLIUM		<1.0	<1.0	<1.0	<1.0	<1.0
VANADIUM		34.2	97.8	64.0	48.2	52.2
ZINC		41.2	237	58.0	37.6	82.4

CLIENT : SOUTHERN CALIFORNIA EDISON ATI I.D.28805

QUALITY CONTROL

ANALYSIS	DATE	SAMPLE I.D.	RESULT	DUPLICATE	RPD (%)	SAMPLE I.D.	MATRIX SPIKE FOUND	MATRIX SPIKE ADDED	% RECOVERY
Sb	10-25	28805-012	<1.0	<1.0	N/A	28805-006	48	60	80
As	10-22	28805-012	16.6	17.2	4	28805-011	41	68	60
Ba	10-21	28805-037	58.9	84.3	35	28805-036	173	200	87
Be	10-21	28805-037	<1.0	<1.0	N/A	28805-036	168	200	84
Cd	10-23	28805-012	1.5	1.4	2	28805-011	20.3	20.0	102
Cr	10-21	28805-037	61.5	50.80	19	28805-011	84.0	100	84
Co	10-21	28805-012	10.2	9.6	34	28805-011	164	200	82
Cu	10-21	28805-037	60.6	37.1	48	28805-011	94.8	100	95
Pb	10-21	28805-037	18.7	16.1	15	28805-036	52	60	87
Hg	10-21	28805-009	<0.1	<0.1	N/A	28805-010	0.0046	0.005	92
Mo	10-21	28805-012	2.4	3.4	34	28805-011	142	200	71
Ni	10-21	28805-037	23.2	18.8	24	28805-011	83.0	100	83
Se	10-22	28805-012	<1.0	<1.0	N/A	28805-011	66	60	110
Ag	10-18	28805-012	<2.5	<2.5	N/A	28805-012	92.8	100	93
Tl	10-23	28805-012	<1.0	<1.0	N/A	28805-011	59	60	98
V	10-21	28805-012	78.1	77.6	1	28805-011	151	200	76
Zn	10-18	28805-012	297	355	18	28805-012	92.8	100	93
PET H-C	10-18	28805-026	2830	3120	10	28805-025	22	22	100

CALIBRATION CHECK SAMPLES

ANALYSIS	EPA GC	RESULT	VALUE	95% C.I.
Sb	WP581 1	0.008	0.0081	0.0061-0.0101
As	WS378 3	0.018	0.0197	0.0151-0.0243
Ba	WP581 1	1.00	1.04	0.94-1.14
Be	WP284 2	0.11	0.12	0.10-0.14
Cd	WS378 2	0.0017	0.0019	0.0013-0.0026
Cr	WP284 2	0.12	0.13	0.10-0.16
Co	WP284 2	0.12	0.13	0.11-0.15
Cu	WP284 2	0.16	0.17	0.15-0.19
Pb	WS378 3	0.017	0.0176	0.0112-0.0240
Hg	WS378 13	1.1	1.4	1.0-1.7
Mo	WP581 2	1.01	1.14	0.99-1.38
Ni	WP284 2	0.10	0.10	0.08-0.12
Se	WS378 14	0.098	0.0074	0.0049-0.0098
Ag	WS378 14	0.25	0.26	0.21-0.31
Tl	WP581 1	0.027	0.0266	0.0144-0.0368
V	WP284 2	0.38	0.42	0.36-0.49
Zn	WP284 2	0.20	0.21	0.19-0.22
PET H-C	WP379 1	23	19.8	16.7-23.4

ANALYTICAL TECHNOLOGIES, INC.

ATI I.D. 28805

CALIFORNIA ASSESSMENT MANUAL
METALS

CLIENT : SOUTHERN CALIFORNIA EDISON
DATE RECEIVED :10-15
PROJECT :ETIWANDA

SAMPLE MATRIX :SOIL
UNITS : mg/kg

PARAMETER	CLIENT I.D.	CB-23 @ 12-18"	CB-24 @ 20-36"	CB-24 @ 36-48"	CB-24 @ 48-58"	CB-25 @ 0-10"
	ATI I.D.	18	19	20	21	22
ANTIMONY		<1.0	<1.0	<1.0	<1.0	<1.0
ARSENIC		45.2	19.0	15.8	12.1	49.7
BARIUM		161	168	123	91.4	239
BERYLLIUM		1.0	<1.0	<1.0	4.3	1.0
CADMIUM		2.4	2.2	<0.2	<0.2	1.4
CHROMIUM		58.0	82.7	13.0	12.1	82.3
COBALT		13.5	11.1	13.0	11.1	27.0
COPPER		118	230	12.0	9.3	97.4
LEAD		96.9	160.0	4.8	4.6	90.4
MERCURY		<0.1	<0.1	<0.1	<0.1	<0.1
MOLYBDENUM		1.9	5.3	<1.00	<1.00	0.95
NICKEL		122	54.3	200	158	884
SILVER		<2.5	<2.5	<2.5	<2.5	<2.5
SELENIUM		<1.0	<1.0	<1.0	<1.0	<1.0
THALLIUM		<1.0	<1.0	<1.0	<1.0	<1.0
VANADIUM		85.4	59.2	37.4	32.9	1010
ZINC		480	32.8	47.9	39.0	279

ANALYTICAL TECHNOLOGIES, INC.

ATI I.D. 28605

CALIFORNIA ASSESSMENT MANUAL
METALS

CLIENT : SOUTHERN CALIFORNIA EDISON
DATE RECEIVED :10-15
PROJECT :ETIWANDA

SAMPLE MATRIX :SOIL
UNITS : mg/kg

PARAMETER	CLIENT I.D.	CB-26 @ 24-30"	CB-28 @ 12-24"	CB32 @ 24-36"	CB-32 @ 48-60"	A-3 @ 0-12"
	ATI I.D.	23	34	35	36	37
ANTIMONY		<1.0	<1.0	<1.0	<1.0	<1.0
ARSENIC		10.9	7.7	18.1	15.5	5.5
BARIUM		102	91.7	156	135	58.9
BERYLLIUM		1.0	<1.0	<1.0	<1.0	<1.0
CADMIUM		0.5	2.5	<0.2	<0.2	0.5
CHROMIUM		73.8	59.3	10.2	11.8	61.5
COBALT		9.5	7.4	8.8	8.0	4.9
COPPER		59.9	113	7.51	10.9	62.4
LEAD		41.0	90.0	3.3	2.9	18.7
MERCURY		<0.1	<0.1	<0.1	<0.1	<0.1
MOLYBDENUM		<1.0	1.4	<1.0	<1.0	3.6
NICKEL		202	50.5	7.1	8.50	24.1
SILVER		<2.5	<2.5	<2.5	<2.5	<2.5
SELENIUM		<1.0	<1.0	<1.0	<1.0	<1.0
THALLIUM		<1.0	<1.0	<1.0	<1.0	<1.0
VANADIUM		194	43.1	34.9	39.6	30.8
ZINC		135	304	35.8	36.8	119

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-002

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-7 @0-12"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8240
UNITS: ug/kg

DATE SAMPLED: -
DATE RECEIVED: 10-15-85
DATE ANALYZED: 11-04-85
DATE REPORTED: 11-06-85

10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
60B (3.7)	METHYLENE CHLORIDE
8.9B (16)	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE
5U	1,1-DICHLOROETHANE
5U	TRANS-1,2-DICHLOROETHENE
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
10U	2-BUTANONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
10U	VINYL ACETATE
5U	BROMODICHLOROMETHANE
5U	1,1,2,2-TETRACHLOROETHANE
5U	1,2-DICHLOROPROPANE
5U	TRANS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	CIS-1,3-DICHLOROPROPENE
10U	2-CHLOROETHYLVINYLETHER
5U	BROMOFORM
10U	2-HEXANONE
10U	4-METHYL-2-PENTANONE
10U	TETRACHLOROETHENE
4.2J	TOLUENE
2.7J	CHLOROBENZENE
5U	ETHYLBENZENE
5U	STYRENE
5U	TOTAL XYLENES

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
() indicates the amount found in the blank.

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-002

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-7 @0-12"

VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERIES

% RECOVERY	SURROGATES
95	1,2-DICHLOROETHANE-D4
71	BFB
122	TOLUENE-D6

COMMENTS:

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-004

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-7 @36-48"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8240
UNITS: ug/kg

DATE SAMPLED: -
DATE RECEIVED: 10-15-85
DATE ANALYZED: 10-20-85
DATE REPORTED: 11-06-85

10U	CHLOROMETHANE
10U	BROMOMETHANE
10U	VINYL CHLORIDE
10U	CHLOROETHANE
49	METHYLENE CHLORIDE
10U	ACETONE
5U	CARBON DISULFIDE
5U	1,1-DICHLOROETHENE
5U	1,1-DICHLOROETHANE
16	TRANS-1,2-DICHLOROETHENE
5U	CHLOROFORM
5U	1,2-DICHLOROETHANE
10U	2-BUTANONE
5U	1,1,1-TRICHLOROETHANE
5U	CARBON TETRACHLORIDE
10U	VINYL ACETATE
5U	BROMODICHLOROMETHANE
5U	1,1,2,2-TETRACHLOROETHANE
5U	1,2-DICHLOROPROPANE
5U	TRANS-1,3-DICHLOROPROPENE
5U	TRICHLOROETHENE
5U	DIBROMOCHLOROMETHANE
5U	1,1,2-TRICHLOROETHANE
5U	BENZENE
5U	CIS-1,3-DICHLOROPROPENE
10U	2-CHLOROETHYLVINYLETHER
5U	BROMOFORM
10U	2-HEXANONE
10U	4-METHYL-2-PENTANONE
10U	TETRACHLOROETHENE
45	TOLUENE
5U	CHLOROBENZENE
5U	ETHYLBENZENE
5U	STYRENE
5U	TOTAL XYLENES

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
() indicates the amount found in the blank.

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-004

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-7 @36-48"

VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERIES

% RECOVERY	SURROGATES
68	1,2-DICHLOROETHANE-D4
126	BFB
101	TOLUENE-D6

COMMENTS:

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-023

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-13 @120-132"

VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERIES

% RECOVERY	SURROGATES
95	1,2-DICHLOROETHANE-D4
93	BFB
86	TOLUENE-D6

COMMENTS:

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-023

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-13 @120-132"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8240
UNITS: ug/kg

DATE SAMPLED: -
DATE RECEIVED: 10-15-85
DATE ANALYZED: 10-23-85
DATE REPORTED: 11-06-85

10U		CHLOROMETHANE
10U		BROMOMETHANE
10U		VINYL CHLORIDE
10U		CHLOROETHANE
32B	(9.9)	METHYLENE CHLORIDE
11		ACETONE
5U		CARBON DISULFIDE
5U		1,1-DICHLOROETHENE
5U		1,1-DICHLOROETHANE
5U		TRANS-1,2-DICHLOROETHENE
5U		CHLOROFORM
5U		1,2-DICHLOROETHANE
10U		2-BUTANONE
5U		1,1,1-TRICHLOROETHANE
5U		CARBON TETRACHLORIDE
10U		VINYL ACETATE
5U		BROMODICHLOROMETHANE
5U		1,1,2,2-TETRACHLOROETHANE
5U		1,2-DICHLOROPROPANE
5U		TRANS-1,3-DICHLOROPROPENE
5U		TRICHLOROETHENE
5U		DIBROMOCHLOROMETHANE
5U		1,1,2-TRICHLOROETHANE
5U		BENZENE
5U		CIS-1,3-DICHLOROPROPENE
10U		2-CHLOROETHYLVINYLETHER
5U		BROMOFORM
10U		2-HEXANONE
10U		4-METHYL-2-PENTANONE
10U		TETRACHLOROETHENE
5U		TOLUENE
5U		CHLOROBENZENE
5U		ETHYLBENZENE
5U		STYRENE
5U		TOTAL XYLENES

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
() indicates the amount found in the blank.

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-023

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-13 @120-132"

VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERIES

% RECOVERY	SURROGATES
95	1,2-DICHLOROETHANE-D4
93	BFB
86	TOLUENE-D6

COMMENTS:

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-003

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-7 @12-24"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-26-85
DATE REPORTED: 11-06-85

0.53U	N-NITROSODIMETHYLAMINE
0.53U	PHENOL
0.53U	ANILINE
0.53U	BIS-(2-CHLOROETHYL)ETHER
0.53U	2-CHLOROPHENOL
0.53U	1,3-DICHLOROBENZENE
0.53U	1,4-DICHLOROBENZENE
0.53U	BENZYL ALCOHOL
0.53U	1,2-DICHLOROBENZENE
0.53U	2-METHYLPHENOL
0.53U	BIS(2-CHLOROISOPROPYL)ETHER
0.53U	4-METHYLPHENOL
0.53U	N-NITROSO-DI-N-PROPYLAMINE
0.53U	HEXACHLOROETHANE
0.53U	NITROBENZENE
0.53U	ISOPHORONE
0.53U	2-NITROPHENOL
0.53U	2,4-DIMETHYLPHENOL
2.7U	BENZOIC ACID
0.53U	BIS(2-CHLOROETHOXYL)METHANE
0.53U	2,4-DICHLOROPHENOL
0.53U	1,2,4-TRICHLOROBENZENE
0.53U	NAPHTHALENE
0.53U	4-CHLOROANILINE
0.53U	HEXACHLOROBUTADIENE
0.53U	4-CHLORO-3-METHYLPHENOL
0.53U	2-METHYLNAPHTHALENE
0.53U	HEXACHLOROCYCLOPENTADIENE
0.53U	2,4,6-TRICHLOROPHENOL
2.7U	2,4,5-TRICHLOROPHENOL
0.53U	2-CHLORONAPHTHALENE
2.7U	2-NITROANILINE
0.53U	DIMETHYL PHTHALATE
0.53U	ACENAPHTHYLENE
2.7U	3-NITROANILINE
0.53U	ACENAPHTHENE
2.7U	2,4-DINITROPHENOL
2.7U	4-NITROPHENOL
0.53U	DIBENZOFURAN
0.53U	2,4-DINITROTOLUENE
0.53U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-003

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-7 @12-24"

0.53U	DIETHYLPHTHALATE
0.53U	4-CHLOROPHENYL-PHENYLETHER
0.53U	FLUORENE
2.7U	4-NITROANILINE
2.7U	4,6-DINITRO-2-METHYLPHENOL
0.53U	N-NITROSODIPHENYLAMINE(1)
0.53U	4-BROMOPHENYL-PHENYLETHER
0.53U	HEXACHLOROBENZENE
2.7U	PENTACHLOROPHENOL
0.53U	PHENANTHRENE
0.53U	ANTHRACENE
0.53U	DI-N-BUTYLPHTHALATE
0.53U	FLUORANTHENE
5.3U	BENZIDINE
0.53U	PYRENE
0.53U	BUTYLBENZYLPHTHALATE
1.06U	3,3-DICHLOROBENZIDINE
0.53U	BENZO(a)ANTHRACENE
0.53U	BIS(2-ETHYLHEXYL)PHTHALATE
0.53U	CHRYSENE
0.53U	DI-N-OCTYLPHTHALATE
0.53U	BENZO(b)FLUORANTHENE
0.53U	BENZO(k)FLUORANTHENE
0.53U	BENZO(a)PYRENE
0.53U	INDENO(1,2,3-cd)PYRENE
0.53U	DIBENZ(a,h)ANTHRACENE
0.53U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
110	NITROBENZENE-D5
85	2-FLUOROBIPHENYL
52	TERPHENYL
55	PHENOL-D5
107	2-FLUOROPHENOL
70	2,4,6-TRIBROMOPHENOL

COMMENTS:

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-004

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-7 @36-48"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-26-85
DATE REPORTED: 11-06-85

0.53U	N-NITROSODIMETHYLAMINE
0.53U	PHENOL
0.53U	ANILINE
0.53U	BIS-(2-CHLOROETHYL)ETHER
0.53U	2-CHLOROPHENOL
0.53U	1,3-DICHLOROBENZENE
0.53U	1,4-DICHLOROBENZENE
0.53U	BENZYL ALCOHOL
0.53U	1,2-DICHLOROBENZENE
0.53U	2-METHYLPHENOL
0.53U	BIS(2-CHLOROISOPROPYL)ETHER
0.53U	4-METHYLPHENOL
0.53U	N-NITROSO-DI-N-PROPYLAMINE
0.53U	HEXACHLOROETHANE
0.53U	NITROBENZENE
0.53U	ISOPHORONE
0.53U	2-NITROPHENOL
0.53U	2,4-DIMETHYLPHENOL
2.7U	BENZOIC ACID
0.53U	BIS(2-CHLOROETHOXYL)METHANE
0.53U	2,4-DICHLOROPHENOL
0.53U	1,2,4-TRICHLOROBENZENE
0.53U	NAPHTHALENE
0.53U	4-CHLOROANILINE
0.53U	HEXACHLOROBUTADIENE
0.53U	4-CHLORO-3-METHYLPHENOL
0.53U	2-METHYLNAPHTHALENE
0.53U	HEXACHLOROCYCLOPENTADIENE
0.53U	2,4,6-TRICHLOROPHENOL
2.7U	2,4,5-TRICHLOROPHENOL
0.53U	2-CHLORONAPHTHALENE
2.7U	2-NITROANILINE
0.53U	DIMETHYL PHTHALATE
0.53U	ACENAPHTHYLENE
2.7U	3-NITROANILINE
0.53U	ACENAPHTHENE
2.7U	2,4-DINITROPHENOL
2.7U	4-NITROPHENOL
0.53U	DIBENZOFURAN
0.53U	2,4-DINITROTOLUENE
0.53U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D. #28805-004

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-7 @36-48"

0.53U	DIETHYLPHTHALATE
0.53U	4-CHLOROPHENYL-PHENYLETHER
0.53U	FLUORENE
2.7U	4-NITROANILINE
2.7U	4,6-DINITRO-2-METHYLPHENOL
0.53U	N-NITROSODIPHENYLAMINE(1)
0.53U	4-BROMOPHENYL-PHENYLETHER
0.53U	HEXACHLOROBENZENE
2.7U	PENTACHLOROPHENOL
0.53U	PHENANTHRENE
0.53U	ANTHRACENE
0.53U	DI-N-BUTYLPHTHALATE
0.53U	FLUORANTHENE
5.3U	BENZIDINE
0.53U	PYRENE
0.53U	BUTYLBENZYLPHTHALATE
1.06U	3,3-DICHLOROBENZIDINE
0.53U	BENZO(a)ANTHRACENE
0.53U	BIS(2-ETHYLHEXYL)PHTHALATE
0.53U	CHRYSENE
0.53U	DI-N-OCTYLPHTHALATE
0.53U	BENZO(b)FLUORANTHENE
0.53U	BENZO(k)FLUORANTHENE
0.53U	BENZO(a)PYRENE
0.53U	INDENO(1,2,3-cd)PYRENE
0.53U	DIBENZ(a,h)ANTHRACENE
0.53U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
112	NITROBENZENE-D5
81	2-FLUOROBIPHENYL
61	TERPHENYL
62	PHENOL-D5
75	2-FLUOROPHENOL
78	2,4,6-TRIBROMOPHENOL

COMMENTS:

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-006

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-3 @0-12"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-26-85
DATE REPORTED: 11-06-85

0.53U	N-NITROSODIMETHYLAMINE
0.53U	PHENOL
0.53U	ANILINE
0.53U	BIS-(2-CHLOROETHYL)ETHER
0.53U	2-CHLOROPHENOL
0.53U	1,3-DICHLOROBENZENE
0.53U	1,4-DICHLOROBENZENE
0.53U	BENZYL ALCOHOL
0.53U	1,2-DICHLOROBENZENE
0.53U	2-METHYLPHENOL
0.53U	BIS(2-CHLOROISOPROPYL)ETHER
0.53U	4-METHYLPHENOL
0.53U	N-NITROSO-DI-N-PROPYLAMINE
0.53U	HEXACHLOROETHANE
0.53U	NITROBENZENE
0.53U	ISOPHORONE
0.53U	2-NITROPHENOL
0.53U	2,4-DIMETHYLPHENOL
2.7U	BENZOIC ACID
0.53U	BIS(2-CHLOROETHOXYL)METHANE
0.53U	2,4-DICHLOROPHENOL
0.53U	1,2,4-TRICHLOROBENZENE
0.53U	NAPHTHALENE
0.53U	4-CHLOROANILINE
0.53U	HEXACHLOROBUTADIENE
0.53U	4-CHLORO-3-METHYLPHENOL
0.53U	2-METHYLNAPHTHALENE
0.53U	HEXACHLOROCYCLOPENTADIENE
0.53U	2,4,6-TRICHLOROPHENOL
2.7U	2,4,5-TRICHLOROPHENOL
0.53U	2-CHLORONAPHTHALENE
2.7U	2-NITROANILINE
0.53U	DIMETHYL PHTHALATE
0.53U	ACENAPHTHYLENE
2.7U	3-NITROANILINE
0.53U	ACENAPHTHENE
2.7U	2,4-DINITROPHENOL
2.7U	4-NITROPHENOL
0.53U	DIBENZOFURAN
0.53U	2,4-DINITROTOLUENE
0.53U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-006

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-3 @0-12"

0.53U	DIETHYLPHTHALATE
0.53U	4-CHLOROPHENYL-PHENYLETHER
0.53U	FLUORENE
2.7U	4-NITROANILINE
2.7U	4,6-DINITRO-2-METHYLPHENOL
0.53U	N-NITROSODIPHENYLAMINE(1)
0.53U	4-BROMOPHENYL-PHENYLETHER
0.53U	HEXACHLOROBENZENE
2.7U	PENTACHLOROPHENOL
0.53U	PHENANTHRENE
0.53U	ANTHRACENE
0.53U	DI-N-BUTYLPHTHALATE
0.53U	FLUORANTHENE
5.3U	BENZIDINE
0.53U	PYRENE
0.53U	BUTYLBENZYLPHTHALATE
1.06U	3,3-DICHLOROBENZIDINE
0.53U	BENZO(a)ANTHRACENE
0.53U	BIS(2-ETHYLHEXYL)PHTHALATE
0.53U	CHRYSENE
0.53U	DI-N-OCTYLPHTHALATE
0.53U	BENZO(b)FLUORANTHENE
0.53U	BENZO(k)FLUORANTHENE
0.53U	BENZO(a)PYRENE
0.53U	INDENO(1,2,3-cd)PYRENE
0.53U	DIBENZ(a,h)ANTHRACENE
0.53U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
130	NITROBENZENE-D5
92	2-FLUOROBIPHENYL
49	TERPHENYL
67	PHENOL-D5
130	2-FLUOROPHENOL
82	2,4,6-TRIBROMOPHENOL

COMMENTS:

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-007

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-2 @0-12"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-26-85
DATE REPORTED: 11-06-85

0.53U	N-NITROSODIMETHYLAMINE
0.53U	PHENOL
0.53U	ANILINE
0.53U	BIS-(2-CHLOROETHYL)ETHER
0.53U	2-CHLOROPHENOL
0.53U	1,3-DICHLOROBENZENE
0.53U	1,4-DICHLOROBENZENE
0.53U	BENZYL ALCOHOL
0.53U	1,2-DICHLOROBENZENE
0.53U	2-METHYLPHENOL
0.53U	BIS(2-CHLOROISOPROPYL)ETHER
0.53U	4-METHYLPHENOL
0.53U	N-NITROSO-DI-N-PROPYLAMINE
0.53U	HEXACHLOROETHANE
0.53U	NITROBENZENE
0.53U	ISOPHORONE
0.53U	2-NITROPHENOL
0.53U	2,4-DIMETHYLPHENOL
2.7U	BENZOIC ACID
0.53U	BIS(2-CHLOROETHOXYL)METHANE
0.53U	2,4-DICHLOROPHENOL
0.53U	1,2,4-TRICHLOROBENZENE
0.53U	NAPHTHALENE
0.53U	4-CHLOROANILINE
0.53U	HEXACHLOROBUTADIENE
0.53U	4-CHLORO-3-METHYLPHENOL
0.53U	2-METHYLNAPHTHALENE
0.53U	HEXACHLOROCYCLOPENTADIENE
0.53U	2,4,6-TRICHLOROPHENOL
2.7U	2,4,5-TRICHLOROPHENOL
0.53U	2-CHLORONAPHTHALENE
2.7U	2-NITROANILINE
0.53U	DIMETHYL PHTHALATE
0.53U	ACENAPHTHYLENE
2.7U	3-NITROANILINE
0.53U	ACENAPHTHENE
2.7U	2,4-DINITROPHENOL
2.7U	4-NITROPHENOL
0.53U	DIBENZOFURAN
0.53U	2,4-DINITROTOLUENE
0.53U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-007

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-2 @0-12"

0.53U	DIETHYLPHTHALATE
0.53U	4-CHLOROPHENYL-PHENYLETHER
0.53U	FLUORENE
2.7U	4-NITROANILINE
2.7U	4,6-DINITRO-2-METHYLPHENOL
0.53U	N-NITROSODIPHENYLAMINE(1)
0.53U	4-BROMOPHENYL-PHENYLETHER
0.53U	HEXACHLOROBENZENE
2.7U	PENTACHLOROPHENOL
0.53U	PHENANTHRENE
0.53U	ANTHRACENE
0.53U	DI-N-BUTYLPHTHALATE
0.53U	FLUORANTHENE
5.3U	BENZIDINE
0.53U	PYRENE
0.53U	BUTYLBENZYLPHTHALATE
1.06U	3,3-DICHLOROBENZIDINE
0.53U	BENZO(a)ANTHRACENE
0.53U	BIS(2-ETHYLHEXYL)PHTHALATE
0.53U	CHRYSENE
0.53U	DI-N-OCTYLPHTHALATE
0.53U	BENZO(b)FLUORANTHENE
0.53U	BENZO(k)FLUORANTHENE
0.53U	BENZO(a)PYRENE
0.53U	INDENO(1,2,3-cd)PYRENE
0.53U	DIBENZ(a,h)ANTHRACENE
0.53U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
125	NITROBENZENE-D5
82	2-FLUOROBIPHENYL
63	TERPHENYL
64	PHENOL-D5
120	2-FLUOROPHENOL
68	2,4,6-TRIBROMOPHENOL

COMMENTS:

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-008

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-2 @12-24"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-26-85
DATE REPORTED: 11-06-85

0.53U	N-NITROSODIMETHYLAMINE
0.53U	PHENOL
0.53U	ANILINE
0.53U	BIS-(2-CHLOROETHYL)ETHER
0.53U	2-CHLOROPHENOL
0.53U	1,3-DICHLOROBENZENE
0.53U	1,4-DICHLOROBENZENE
0.53U	BENZYL ALCOHOL
0.53U	1,2-DICHLOROBENZENE
0.53U	2-METHYLPHENOL
0.53U	BIS(2-CHLOROISOPROPYL)ETHER
0.53U	4-METHYLPHENOL
0.53U	N-NITROSO-DI-N-PROPYLAMINE
0.53U	HEXACHLOROETHANE
0.53U	NITROBENZENE
0.53U	ISOPHORONE
0.53U	2-NITROPHENOL
0.53U	2,4-DIMETHYLPHENOL
2.7U	BENZOIC ACID
0.53U	BIS(2-CHLOROETHOXYL)METHANE
0.53U	2,4-DICHLOROPHENOL
0.53U	1,2,4-TRICHLOROBENZENE
0.53U	NAPHTHALENE
0.53U	4-CHLOROANILINE
0.53U	HEXACHLOROBUTADIENE
0.53U	4-CHLORO-3-METHYLPHENOL
0.53U	2-METHYLNAPHTHALENE
0.53U	HEXACHLOROCYCLOPENTADIENE
0.53U	2,4,6-TRICHLOROPHENOL
2.7U	2,4,5-TRICHLOROPHENOL
0.53U	2-CHLORONAPHTHALENE
2.7U	2-NITROANILINE
0.53U	DIMETHYL PHTHALATE
0.53U	ACENAPHTHYLENE
2.7U	3-NITROANILINE
0.53U	ACENAPHTHENE
2.7U	2,4-DINITROPHENOL
2.7U	4-NITROPHENOL
0.53U	DIBENZOFURAN
0.53U	2,4-DINITROTOLUENE
0.53U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-008

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-2 @12-24"

0.53U		DIETHYLPHTHALATE
0.53U		4-CHLOROPHENYL-PHENYLETHER
0.53U		FLUORENE
2.7U		4-NITROANILINE
2.7U		4,6-DINITRO-2-METHYLPHENOL
0.53U		N-NITROSODIPHENYLAMINE(1)
0.53U		4-BROMOPHENYL-PHENYLETHER
0.53U		HEXACHLOROBENZENE
2.7U		PENTACHLOROPHENOL
0.71		PHENANTHRENE
0.24J		ANTHRACENE
0.53U		DI-N-BUTYLPHTHALATE
1.07		FLUORANTHENE
5.3U		BENZIDINE
0.71		PYRENE
0.53U		BUTYLBENZYLPHTHALATE
1.06U		3,3-DICHLOROBENZIDINE
0.53U		BENZO(a)ANTHRACENE
0.29J		BIS(2-ETHYLHEXYL)PHTHALATE
0.53U		CHRYSENE
0.53U		DI-N-OCTYLPHTHALATE
0.59	*	BENZO(b)FLUORANTHENE
0.53U	*	BENZO(k)FLUORANTHENE
0.33J		BENZO(a)PYRENE
0.25J		INDENO(1,2,3-cd)PYRENE
0.53U		DIBENZ(a,h)ANTHRACENE
0.53U		BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
130	NITROBENZENE-D5
56	2-FLUOROBIPHENYL
64	TERPHENYL
69	PHENOL-D5
123	2-FLUOROPHENOL
62	2,4,6-TRIBROMOPHENOL

COMMENTS: * IT WAS NOT POSSIBLE TO DISTINGUISH THESE TWO ISOMERS. THE RESULT GIVEN MAY REPRESENT EITHER OR A COMBINATION OF THESE TWO ISOMERS.

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-010

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: H-1 @0-120"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-26-85
DATE REPORTED: 11-06-85

0.53U	N-NITROSODIMETHYLAMINE
0.53U	PHENOL
0.53U	ANILINE
0.53U	BIS-(2-CHLOROETHYL)ETHER
0.53U	2-CHLOROPHENOL
0.53U	1,3-DICHLOROBENZENE
0.53U	1,4-DICHLOROBENZENE
0.53U	BENZYL ALCOHOL
0.53U	1,2-DICHLOROBENZENE
0.53U	2-METHYLPHENOL
0.53U	BIS(2-CHLOROISOPROPYL)ETHER
0.53U	4-METHYLPHENOL
0.53U	N-NITROSO-DI-N-PROPYLAMINE
0.53U	HEXACHLOROETHANE
0.53U	NITROBENZENE
0.53U	ISOPHORONE
0.53U	2-NITROPHENOL
0.53U	2,4-DIMETHYLPHENOL
2.7U	BENZOIC ACID
0.53U	BIS(2-CHLOROETHOXYL)METHANE
0.53U	2,4-DICHLOROPHENOL
0.53U	1,2,4-TRICHLOROBENZENE
0.53U	NAPHTHALENE
0.53U	4-CHLOROANILINE
0.53U	HEXACHLOROBUTADIENE
0.53U	4-CHLORO-3-METHYLPHENOL
0.53U	2-METHYLNAPHTHALENE
0.53U	HEXACHLOROCYCLOPENTADIENE
0.53U	2,4,6-TRICHLOROPHENOL
2.7U	2,4,5-TRICHLOROPHENOL
0.53U	2-CHLORONAPHTHALENE
2.7U	2-NITROANILINE
0.53U	DIMETHYL PHTHALATE
0.53U	ACENAPHTHYLENE
2.7U	3-NITROANILINE
0.53U	ACENAPHTHENE
2.7U	2,4-DINITROPHENOL
2.7U	4-NITROPHENOL
0.53U	DIBENZOFURAN
0.53U	2,4-DINITROTOLUENE
0.53U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-010

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: H-1 @0-120"

0.53U	DIETHYLPHTHALATE
0.53U	4-CHLOROPHENYL-PHENYLETHER
0.53U	FLUORENE
2.7U	4-NITROANILINE
2.7U	4,6-DINITRO-2-METHYLPHENOL
0.53U	N-NITROSODIPHENYLAMINE(1)
0.53U	4-BROMOPHENYL-PHENYLETHER
0.53U	HEXACHLOROBENZENE
2.7U	PENTACHLOROPHENOL
0.53U	PHENANTHRENE
0.53U	ANTHRACENE
0.53U	DI-N-BUTYLPHTHALATE
0.53U	FLUORANTHENE
5.3U	BENZIDINE
0.53U	PYRENE
0.53U	BUTYLBENZYLPHTHALATE
1.06U	3,3-DICHLOROBENZIDINE
0.53U	BENZO(a)ANTHRACENE
0.8B	BIS(2-ETHYLHEXYL)PHTHALATE
0.53U	CHRYSENE
0.53U	DI-N-OCTYLPHTHALATE
0.53U	BENZO(b)FLUORANTHENE
0.53U	BENZO(k)FLUORANTHENE
0.53U	BENZO(a)PYRENE
0.53U	INDENO(1,2,3-cd)PYRENE
0.53U	DIBENZ(a,h)ANTHRACENE
0.53U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
134	NITROBENZENE-D5
82	2-FLUOROBIPHENYL
62	TERPHENYL
85	PHENOL-D5
144	2-FLUOROPHENOL
74	2,4,6-TRIBROMOPHENOL

COMMENTS:

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-011

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: H-3 @12-24"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-26-85
DATE REPORTED: 11-06-85

0.53U	N-NITROSODIMETHYLAMINE
0.53U	PHENOL
0.53U	ANILINE
0.53U	BIS-(2-CHLOROETHYL)ETHER
0.53U	2-CHLOROPHENOL
0.53U	1,3-DICHLOROBENZENE
0.53U	1,4-DICHLOROBENZENE
0.53U	BENZYL ALCOHOL
0.53U	1,2-DICHLOROBENZENE
0.53U	2-METHYLPHENOL
0.53U	BIS(2-CHLOROISOPROPYL)ETHER
0.53U	4-METHYLPHENOL
0.53U	N-NITROSO-DI-N-PROPYLAMINE
0.53U	HEXACHLOROETHANE
0.53U	NITROBENZENE
0.53U	ISOPHORONE
0.53U	2-NITROPHENOL
0.53U	2,4-DIMETHYLPHENOL
2.7U	BENZOIC ACID
0.53U	BIS(2-CHLOROETHOXYL)METHANE
0.53U	2,4-DICHLOROPHENOL
0.53U	1,2,4-TRICHLOROBENZENE
0.53U	NAPHTHALENE
0.53U	4-CHLOROANILINE
0.53U	HEXACHLOROBUTADIENE
0.53U	4-CHLORO-3-METHYLPHENOL
0.53U	2-METHYLNAPHTHALENE
0.53U	HEXACHLOROCYCLOPENTADIENE
0.53U	2,4,6-TRICHLOROPHENOL
2.7U	2,4,5-TRICHLOROPHENOL
0.53U	2-CHLORONAPHTHALENE
2.7U	2-NITROANILINE
0.53U	DIMETHYL PHTHALATE
0.53U	ACENAPHTHYLENE
2.7U	3-NITROANILINE
0.53U	ACENAPHTHENE
2.7U	2,4-DINITROPHENOL
2.7U	4-NITROPHENOL
0.53U	DIBENZOFURAN
0.53U	2,4-DINITROTOLUENE
0.53U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-011

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: H-3 @12-24"

0.53U	DIETHYLPHTHALATE
0.53U	4-CHLOROPHENYL-PHENYLETHER
0.53U	FLUORENE
2.7U	4-NITROANILINE
2.7U	4,6-DINITRO-2-METHYLPHENOL
0.87	N-NITROSODIPHENYLAMINE(1)
0.53U	4-BROMOPHENYL-PHENYLETHER
0.53U	HEXACHLOROBENZENE
2.7U	PENTACHLOROPHENOL
0.53U	PHENANTHRENE
0.53U	ANTHRACENE
0.53U	DI-N-BUTYLPHTHALATE
0.53U	FLUORANTHENE
5.3U	BENZIDINE
0.53U	PYRENE
0.53U	BUTYLBENZYLPHTHALATE
1.06U	3,3-DICHLOROBENZIDINE
0.53U	BENZO(a)ANTHRACENE
0.73	BIS(2-ETHYLHEXYL)PHTHALATE
0.53U	CHRYSENE
0.53U	DI-N-OCTYLPHTHALATE
0.53U	BENZO(b)FLUORANTHENE
0.53U	BENZO(k)FLUORANTHENE
0.53U	BENZO(a)PYRENE
0.53U	INDENO(1,2,3-cd)PYRENE
0.53U	DIBENZ(a,h)ANTHRACENE
0.53U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
113	NITROBENZENE-D5
75	2-FLUOROBIPHENYL
65	TERPHENYL
73	PHENOL-D5
151	2-FLUOROPHENOL
72	2,4,6-TRIBROMOPHENOL

COMMENTS:

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-012

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-13 @12-24"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-26-85
DATE REPORTED: 11-06-85

0.53U	N-NITROSODIMETHYLAMINE
0.53U	PHENOL
0.53U	ANILINE
0.53U	BIS-(2-CHLOROETHYL)ETHER
0.53U	2-CHLOROPHENOL
0.53U	1,3-DICHLOROBENZENE
0.53U	1,4-DICHLOROBENZENE
0.53U	BENZYL ALCOHOL
0.53U	1,2-DICHLOROBENZENE
0.53U	2-METHYLPHENOL
0.53U	BIS(2-CHLOROISOPROPYL)ETHER
0.53U	4-METHYLPHENOL
0.53U	N-NITROSO-DI-N-PROPYLAMINE
0.53U	HEXACHLOROETHANE
0.53U	NITROBENZENE
0.53U	ISOPHORONE
0.53U	2-NITROPHENOL
0.53U	2,4-DIMETHYLPHENOL
2.7U	BENZOIC ACID
0.53U	BIS(2-CHLOROETHOXYL)METHANE
0.53U	2,4-DICHLOROPHENOL
0.53U	1,2,4-TRICHLOROBENZENE
0.53U	NAPHTHALENE
0.53U	4-CHLOROANILINE
0.53U	HEXACHLOROBUTADIENE
0.53U	4-CHLORO-3-METHYLPHENOL
0.53U	2-METHYLNAPHTHALENE
0.53U	HEXACHLOROCYCLOPENTADIENE
0.53U	2,4,6-TRICHLOROPHENOL
2.7U	2,4,5-TRICHLOROPHENOL
0.53U	2-CHLORONAPHTHALENE
2.7U	2-NITROANILINE
0.53U	DIMETHYL PHTHALATE
0.53U	ACENAPHTHYLENE
2.7U	3-NITROANILINE
0.53U	ACENAPHTHENE
2.7U	2,4-DINITROPHENOL
2.7U	4-NITROPHENOL
0.53U	DIBENZOFURAN
0.53U	2,4-DINITROTOLUENE
0.53U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-012

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-13 @12-24"

0.53U	DIETHYLPHTHALATE
0.53U	4-CHLOROPHENYL-PHENYLETHER
0.53U	FLUORENE
2.7U	4-NITROANILINE
2.7U	4,6-DINITRO-2-METHYLPHENOL
0.53U	N-NITROSODIPHENYLAMINE(1)
0.53U	4-BROMOPHENYL-PHENYLETHER
0.53U	HEXACHLOROBENZENE
2.7U	PENTACHLOROPHENOL
0.53U	PHENANTHRENE
0.53U	ANTHRACENE
0.53U	DI-N-BUTYLPHTHALATE
0.53U	FLUORANTHENE
5.3U	BENZIDINE
0.53U	PYRENE
0.53U	BUTYLBENZYLPHTHALATE
1.06U	3,3-DICHLOROBENZIDINE
0.53U	BENZO(a)ANTHRACENE
0.73	BIS(2-ETHYLHEXYL)PHTHALATE
0.53U	CHRYSENE
0.53U	DI-N-OCTYLPHTHALATE
0.53U	BENZO(b)FLUORANTHENE
0.53U	BENZO(k)FLUORANTHENE
0.53U	BENZO(a)PYRENE
0.53U	INDENO(1,2,3-cd)PYRENE
0.53U	DIBENZ(a,h)ANTHRACENE
0.53U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
133	NITROBENZENE-D5
102	2-FLUOROBIPHENYL
48	TERPHENYL
70	PHENOL-D5
127	2-FLUOROPHENOL
70	2,4,6-TRIBROMOPHENOL

COMMENTS:

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-014

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-15 @12-24"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-28-85
DATE REPORTED: 11-06-85

1.0U	N-NITROSODIMETHYLAMINE
1.0U	PHENOL
1.0U	ANILINE
1.0U	BIS-(2-CHLOROETHYL)ETHER
1.0U	2-CHLOROPHENOL
1.0U	1,3-DICHLOROBENZENE
1.0U	1,4-DICHLOROBENZENE
1.0U	BENZYL ALCOHOL
1.0U	1,2-DICHLOROBENZENE
1.0U	2-METHYLPHENOL
1.0U	BIS(2-CHLOROISOPROPYL)ETHER
1.0U	4-METHYLPHENOL
1.0U	N-NITROSO-DI-N-PROPYLAMINE
1.0U	HEXACHLOROETHANE
1.0U	NITROBENZENE
1.0U	ISOPHORONE
1.0U	2-NITROPHENOL
1.0U	2,4-DIMETHYLPHENOL
5.0U	BENZOIC ACID
1.0U	BIS(2-CHLOROETHOXYL)METHANE
1.0U	2,4-DICHLOROPHENOL
1.0U	1,2,4-TRICHLOROBENZENE
1.0U	NAPHTHALENE
1.0U	4-CHLOROANILINE
1.0U	HEXACHLOROBUTADIENE
1.0U	4-CHLORO-3-METHYLPHENOL
1.0U	2-METHYLNAPHTHALENE
1.0U	HEXACHLOROCYCLOPENTADIENE
1.0U	2,4,6-TRICHLOROPHENOL
5.0U	2,4,5-TRICHLOROPHENOL
1.0U	2-CHLORONAPHTHALENE
5.0U	2-NITROANILINE
1.0U	DIMETHYL PHTHALATE
1.0U	ACENAPHTHYLENE
5.0U	3-NITROANILINE
1.0U	ACENAPHTHENE
5.0U	2,4-DINITROPHENOL
5.0U	4-NITROPHENOL
1.0U	DIBENZOFURAN
1.0U	2,4-DINITROTOLUENE
1.0U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-014

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-15 @12-24"

1.0U	DIETHYLPHTHALATE
1.0U	4-CHLOROPHENYL-PHENYLETHER
1.0U	FLUORENE
5.0U	4-NITROANILINE
5.0U	4,6-DINITRO-2-METHYLPHENOL
1.0U	N-NITROSODIPHENYLAMINE(1)
1.0U	4-BROMOPHENYL-PHENYLETHER
1.0U	HEXACHLOROBENZENE
5.0U	PENTACHLOROPHENOL
1.0U	PHENANTHRENE
1.0U	ANTHRACENE
1.0U	DI-N-BUTYLPHTHALATE
1.0U	FLUORANTHENE
10.0U	BENZIDINE
1.0U	PYRENE
1.0U	BUTYLBENZYLPHTHALATE
2.0U	3,3-DICHLOROBENZIDINE
1.0U	BENZO(a)ANTHRACENE
1.0U	BIS(2-ETHYLHEXYL)PHTHALATE
1.0U	CHRYSENE
1.0U	DI-N-OCTYLPHTHALATE
1.0U	BENZO(b)FLUORANTHENE
1.0U	BENZO(k)FLUORANTHENE
1.0U	BENZO(a)PYRENE
1.0U	INDENO(1,2,3-cd)PYRENE
1.0U	DIBENZ(a,h)ANTHRACENE
1.0U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
100	NITROBENZENE-D5
64	2-FLUOROBIPHENYL
74	TERPHENYL
42	PHENOL-D5
45	2-FLUOROPHENOL
65	2,4,6-TRIBROMOPHENOL

COMMENTS:

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-015

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-15 @12-36"
SAMPLE MATRIX: Soil
METHOD NO.: EPA 8270
UNITS: mg/kg

DATE SAMPLED: -
DATE REQUESTED: 10-15-85
DATE ANALYZED: 10-28-85
DATE REPORTED: 11-06-85

1.0U	N-NITROSODIMETHYLAMINE
1.0U	PHENOL
1.0U	ANILINE
1.0U	BIS-(2-CHLOROETHYL)ETHER
1.0U	2-CHLOROPHENOL
1.0U	1,3-DICHLOROBENZENE
1.0U	1,4-DICHLOROBENZENE
1.0U	BENZYL ALCOHOL
1.0U	1,2-DICHLOROBENZENE
1.0U	2-METHYLPHENOL
1.0U	BIS(2-CHLOROISOPROPYL)ETHER
1.0U	4-METHYLPHENOL
1.0U	N-NITROSO-DI-N-PROPYLAMINE
1.0U	HEXACHLOROETHANE
1.0U	NITROBENZENE
1.0U	ISOPHORONE
1.0U	2-NITROPHENOL
1.0U	2,4-DIMETHYLPHENOL
5.0U	BENZOIC ACID
1.0U	BIS(2-CHLOROETHOXYL)METHANE
1.0U	2,4-DICHLOROPHENOL
1.0U	1,2,4-TRICHLOROBENZENE
1.0U	NAPHTHALENE
1.0U	4-CHLOROANILINE
1.0U	HEXACHLOROBUTADIENE
1.0U	4-CHLORO-3-METHYLPHENOL
1.0U	2-METHYLNAPHTHALENE
1.0U	HEXACHLOROCYCLOPENTADIENE
1.0U	2,4,6-TRICHLOROPHENOL
5.0U	2,4,5-TRICHLOROPHENOL
1.0U	2-CHLORONAPHTHALENE
5.0U	2-NITROANILINE
1.0U	DIMETHYL PHTHALATE
1.0U	ACENAPHTHYLENE
5.0U	3-NITROANILINE
1.0U	ACENAPHTHENE
5.0U	2,4-DINITROPHENOL
5.0U	4-NITROPHENOL
1.0U	DIBENZOFURAN
1.0U	2,4-DINITROTOLUENE
1.0U	2,6-DINITROTOLUENE

ANALYTICAL TECHNOLOGIES, INC. ATI I.D.#28805-015

SEMI-VOLATILE ORGANIC ANALYSIS
DATA SHEET

CLIENT: Southern Ca. Edison
SAMPLE I.D.: CB-15 @24-36"

1.0U	DIETHYLPHTHALATE
1.0U	4-CHLOROPHENYL-PHENYLETHER
1.0U	FLUORENE
5.0U	4-NITROANILINE
5.0U	4,6-DINITRO-2-METHYLPHENOL
1.0U	N-NITROSODIPHENYLAMINE(1)
1.0U	4-BROMOPHENYL-PHENYLETHER
1.0U	HEXACHLOROBENZENE
5.0U	PENTACHLOROPHENOL
1.0U	PHENANTHRENE
1.0U	ANTHRACENE
1.0U	DI-N-BUTYLPHTHALATE
1.0U	FLUORANTHENE
10.0U	BENZIDINE
1.0U	PYRENE
1.0U	BUTYLBENZYLPHTHALATE
2.0U	3,3-DICHLOROBENZIDINE
1.0U	BENZO(a)ANTHRACENE
1.0U	BIS(2-ETHYLHEXYL)PHTHALATE
1.0U	CHRYSENE
1.0U	DI-N-OCTYLPHTHALATE
1.0U	BENZO(b)FLUORANTHENE
1.0U	BENZO(k)FLUORANTHENE
1.0U	BENZO(a)PYRENE
1.0U	INDENO(1,2,3-cd)PYRENE
1.0U	DIBENZ(a,h)ANTHRACENE
1.0U	BENZO(g,h,i)PERYLENE

U indicates limit of detection based on dilution.
J indicates an estimated value.
B indicates analyte was also found in the reagent blank.
()indicates the amount found in the blank.

SEMI-VOA QUALITY CONTROL
SURROGATE PERCENT RECOVERY

% RECOVERY	SURROGATES
82	NITROBENZENE-D5
53	2-FLUOROBIPHENYL
59	TERPHENYL
38	PHENOL-D5
36	2-FLUOROPHENOL
49	2,4,6-TRIBROMOPHENOL

COMMENTS:

LABATORY RAW DATA SHEETS

SOIL CORE SAMPLES COLLECTED FROM SELECTED LOCATIONS WITHIN THE CHANNEL AND SPREADING BASIN

SAMPLE ANALYSES CONSIST OF THE FOLLOWING:

- TOTAL PETROLEUM HYDROCARBONS
- CAM TOTAL METALS
- CAM SOLUABLE METALS
- BNA AND VOLATILE ORGANICS

Analytical Technologies, Inc. Corporate Offices: 225 W. 30th Street National City, CA 92050 619 477-4173

I.D. 01-002227

P.O. C1305901

June 14, 1985

Southern California Edison
2224 Walnut Grove
Rosemead, CA 91770

Project: Etiwanda Drain Ditch

Attention: Chuck Buril

On May 14, 1985, Analytical Technologies, Inc. received thirty-seven (37) soil samples for analysis. All of the samples were tested for petroleum hydrocarbons (Pet H-C) by Freon extraction followed by infrared spectroscopy in accordance with EPA method 418.1. Four (4) of the samples were analyzed for total chromium (Cr) content by atomic emission spectroscopy by inductively coupled argon plasma in accordance with EPA method 6010.

The results and quality control data for these analyses are enclosed.

Sharon Hudson Bjork
Technical Associate

Reviewed by:

Mark King
Laboratory Manager

SHB:mat

Enclosures

NOTE: Samples from this project will be disposed of in thirty (30) days from the date of this report unless we are informed otherwise.

ANALYTICAL TECHNOLOGIES, INC. I.D. 01-002227

PET H-C
DATA SHEET

Client: Southern California Edison
Date Received: 5-14-85
Date Analyzed: 6-3-85
Date Reported: 6-14-85

Sample Matrix: Soil
Method No. 418.1
Units: milligrams per kilogram (mg/kg)

ATI SAMPLE I.D.	CLIENT SAMPLE I.D.	PET H-C
1	CB-28 @ 12-24	1,360
2	CB-28 @ 34-37	48.9
3	CB-28 @ 37-49	23.6
4	CB-28 @ 49-61	2.3
5	CB-29 @ 0-12	999
6	CB-29 @ 12-24	458
7	CB-29 @ 26-30	238
8	CB-29 @ 30-36	100
9	CB-29 @ 38-48	11.0
10	CB-29 @ 48-54	3.5
11	CB-30 @ 12-24	239
12	CB-30 @ 24-36	6.7
13	CB-31 @ 12-24	4.1
14	CB-31 @ 24-30	<1.0
15	CB-31 @ 30-36	<1.0
16	CB-31 @ 36-48	<1.0
17	CB-31 @ 48-60	<1.0
18	CB-32 @ 18-24	10.9
19	CB-32 @ 24-36	3.2
20	CB-32 @ 48-60	<1.0
21	CB-32 @ 84-96	<1.0
22	CB-33 @ 24-36	7.3
23	CB-33 @ 36-48	<1.0
24	CB-33 @ 48-60	<1.0
25	CB-33 @ 60-72	<1.0
26	CB-34 @ 12-24	6.6
27	CB-34 @ 24-36	<1.0
28	CB-34 @ 36-48	2.3
29	CB-34 @ 48-60	<1.0
30	A-3 @ 0-12	2,600
31	A-3 @ 12-24	30.8
32	A-2 @ 0-12	<1.0
33	A-1 @ 0-6	51.6
34	A-1 @ 13-19	<1.0
35	G-1 @ 0-12	8.5
36	G-1 @ 16-24	3.3
37	G-1 @ 36-48	5.1

ANALYTICAL TECHNOLOGIES, INC. I.D. 01-002227

Cr
DATA SHEET

Client: Southern California Edison
Date Received: 5-14-85
Date Analyzed: 5-28-85
Date Reported: 6-14-85

Sample Matrix: Soil
Method No.: 418.1
Units: milligrams per kilogram (mg/kg)

ATI SAMPLE I.D.	CLIENT SAMPLE I.D.	Cr
22	CB-33 @ 24-36	4.58
23	CB-33 @ 36-48	3.56
36	G-1 @ 16-24	12.40
37	G-1 @ 36-48	<0.50

ANALYTICAL TECHNOLOGIES, INC.

ATI I.D. # 01-00[illegible]

Southern California Edison
QUALITY CONTROL DATA

Analysis	Date	Duplicates				Spike				EPA Quality Control Solution	Result	True Value	95% Confider Interva
		Sample I.D.#	1st Result	2nd Result	RPD*	Sample No.	Result	True Value	% ** Recovery				
Pet H-C	6-3	2227 #12	6.73	6.79	0.8	2227 #12	897	863	104	WP879 #1	20.7	19.8	16.7-23
Cr	5-28	2228 #4	225	239	6	2218 #18	0.26	0.25	104	WP488 #2	0.12	0.13	0.11-0.

* RPD (Relative Percent Difference) = $\frac{\text{1st value - 2nd value}}{\text{average value}}$

** % Recovery = $\frac{\text{(Spiked sample result - sample result)}}{\text{Spike Added}}$ X 100

N/A = Not Applicable

Analytical Technologies, Inc. Corporate Offices: 225 W. 30th Street National City, CA 92050 619 477-4173

I.D. 01-002096

April 26, 1985

Southern California Edison
P. O. Box 800
Rosemead, CA 91770

Attention: John Moreno/John McKinley

Project: Etiwanda Drainage Ditch

On April 9, 1985, Analytical Technologies, Inc. received seventy-one (71) soil samples. Thirty-seven (37) of the samples were analyzed for petroleum hydrocarbons, the other thirty-four (34) were archived. Petroleum hydrocarbons were determined by extracting the samples with freon, then analyzing the extracts using infrared spectrophotometry, in accordance with EPA method 418.1.

Attached are the test results.

Mikayo Langhofer
Technical Associate

Reviewed by
Mark King
Laboratory Manager

ML:mat

Attachments

NOTE: Samples from this project will be disposed of in thirty (30) days from the date of this report, unless we are informed otherwise.

I.D. 01-002096

PETROLEUM HYDROCARBON DATA SHEET

Client: Southern California Edison
Project: Etiwanda Drainage Ditch
Date of Analyses: 4-16-85

Sample Identification	Petroleum Hydrocarbon Concentration (mg/kg)*
B-2 0-12"	11.0
B-2 12-24"	1.8
C-1 0-19"	69.0
C-2 0-12"	8.6
C-2 12-24"	9.5
C-3 0-12"	7.7
C-3 12-24"	7.2
D-1 0-13"	9.3
D-1 13-26"	<0.5
D-2 0-12"	12.5
D-2 12-24"	1.8
D-3 0-12"	130
D-3 12-24"	10.7
D-4 0-12"	1760
D-4 12-24"	28.7
E-1 0-12"	653
E-1 0-12" Hole Aborted	4240
E-1 12-24"	3.9
E-1 12-20" Hole Aborted	6.6
E-2 0-12"	5.9
E-2 12-24"	<0.5
E-3 0-22"	<0.5
D-5 0-12"	7.3
D-5 12-24"	2.5
DA-1 0-22"	12.7
G-2 0-12"	<0.5
G-2 12-24"	<0.5
H-1 0-12"	469
H-1 12-24"	16.4
Oil Tank Hole 0-12"	185
Oil Tank Hole 12-24"	7.1
H-2 0-12"	72.5
H-2 12-24"	11.5
H-3 0-12"	60.9
H-3 12-24"	4.0
H-4 0-12"	425
H-4 12-24"	17.6

*mg/kg = milligrams per kilogram

Analytical Technologies, Inc. Corporate Offices: 225 W. 30th Street National City, CA 92050 619 477-4173

I.D. 01-002097

April 30, 1985

Southern California Edison
2131 Walnut Grove Avenue
Rosemead, California 91770

Attention: Jim Moreno/John McKinley

On April 10, 1985, Analytical Technologies, Inc. received twenty-five (25) soil samples. Ten (10) of the samples were for analyses of petroleum hydrocarbons; the remaining fifteen (15) were archived. Petroleum hydrocarbons were determined by extracting the samples with freon, then analyzing the extracts using infrared spectrophotometry, in accordance with EPA Method 418.1

Attached are the test results.

Mary E. Shegley
for Mikayo Langhofer

Mikayo Langhofer
Technical Associate

Reviewed by _____
Mark King
Laboratory Manager

ML:cw

Attachments

NOTE: Samples from this project will be disposed of in thirty (30) days from the date of this report, unless we are informed otherwise.

Analytical Technologies, Inc. Corporate Offices: 225 W. 30th Street National City, CA 92050 619 477-4173

I.D. 01-002202
P.O. C1305901

June 9, 1985

Southern California Edison
Post Office Box 800
Rosemead, California 91770

Project: Etiwanda

Attention: John McKinley/Chuck Buril

On May 8, 1985, Analytical Technologies, Inc. received twenty-one (21) soil samples for analyses of petroleum hydrocarbons. Samples CB-8 at 60" and CB-8 at 90" were not listed on the chain of custody, but were added as per the instructions of C. Burril.

Petroleum hydrocarbons were determined by extracting the soil with freon and analyzing the extract using infrared spectrophotometry, in accordance with EPA method 418.1.

The test results are enclosed.

Sharon Hudson Bjork
Sharon Hudson Bjork
Technical Associate

Reviewed by
Mark King
Laboratory Manager

SHB:cw

Enclosures

NOTE: Samples from this project will be disposed of thirty (30) days from the date of this report unless we are informed otherwise.

Analytical Technologies, Inc. I.D. 01-002097

PETROLEUM HYDROCARBON DATA SHEET

Client: Southern California Edison

Project: Etiwanda Drainage Canal

Sample Date: April 9, 1985

Sample I.D.	Petroleum Hydrocarbon (mg/kg)
CB #3 0-12"	3300
CB #3 12-24"	60.3
CB #3 24-36"	4.7
CB #3 72-84"	<1.0
CB #3 168-180"	<1.0
CB #2 0-12"	1680
CB #2 12-24"	735
CB #2 36-48"	28.6
CB #1 12-24"	4.0
CB #1 0-12"	116

ANALYTICAL TECHNOLOGIES, INC.

Accession No. 01-002202

Petroleum Hydrocarbon
DATA SHEET

Client: Southern California Edison
Date Received: 5/8/85
Date Analyzed: 5/23/85
Date Reported: 6/12/85

Sample Matrix: Soil
Method No.: 418.1
Units: mg/Kg (milligrams per kilogram)

Sample	Petroleum Hydrocarbons
CB-4 at 0-12"	500
CB-4 at 12-24"	102
CB-5 at 0-24"	155
CB-5 at 24-48"	76.1
CB-5 at 55-72"	1810
CB-7 at 0-12"	8840
CB-7 at 12-24"	1700
CB-7 at 24-36"	220
CB-7 at 36-48"	30.2
CB-7 at 48-60"	<1.0
CB-8 at 0-12"	1910
CB-8 at 12-24"	140
CB-8 at 42"	38.8
CB-9 at 0-12"	155
CB-9 at 12-24"	75.6
CB-9 at 24-36"	33.2
CB-9 at 50"	1.5
CB-9 at 72"	2.0
CB-9 at 85"	<1.0
CB-8 at 60"	22.1
CB-8 at 90"	5.2

Analytical Technologies, Inc. Corporate Offices: 225 W. 30th Street National City, CA 92050 619 477-4173

I.D. 01-002201

May 23, 1985

Southern California Edison
2241 Walnut Grove
Rosemead, CA 91770

Attention: Jim Moreno/John McKinley

Project: Etiwanda Drainage Ditch

On May 8, 1985, Analytical Technologies, Inc. received nine (9) soil samples for analysis. The total recoverable petroleum hydrocarbon analyses were done by freon extraction, followed by infrared spectroscopy in accordance with EPA method 418.1. The results and quality control data for these analyses are enclosed.

Sharon Hudson Bjork
Technical Associate

Reviewed by:

Mark King
Laboratory Manager

SHB:mat

Enclosures

NOTE: Samples from this project will be disposed of in thirty (30) days from the date of this report unless we are informed otherwise.

ANALYTICAL TECHNOLOGIES, INC.

Accession No. 01-002201

DATA SHEET

Client: Southern California Edison
Date Received: 5-8-85
Date Analyzed: 5-14-85
Date Reported: 5-23-85

Sample Matrix: Soil
Method No. EPA 418.1
Units: mg/kg

SAMPLE	TOTAL RECOVERABLE PETROLEUM HYDROCARBON
CB-10 @ 33"	61.8
CB-10 @ 48"	2.0
CB-11 @ 33"	76.2
CB-11 @ 80"	4.4
CB-12 @ 12"-24"	15.5
CB-12 @ 32"-44"	2.4
CB-12 @ 44"-56"	<1.5
CB-12 @ 56"-58"	5.2
CB-12 @ 68"-80"	<0.1

ANALYTIC[illegible] TECHNOLOGIES, INC.

ATI I.D. # 01-002201

SOUTHERN CAL[illegible]NIA EDISON
QUALITY C[illegible]OL DATA

Concentration = mg/kg

Analysis	Date	Duplicates				Spike				EPA Quality Control Solution	Result	True Value	95% Confidence Interval
		Sample I.D.#	1st Result	2nd Result	RPD*	Sample No.	Result	True Value	% ** Recovery				
Pet H-C	5-16	2176 #47-52	22.1	20.2	9	2176 #47-52	862	851	101	WP379 #1	15.5	12.0	9.6-15.8

* RPD (Relative Percent Difference) = $\frac{\text{1st value - 2nd value}}{\text{average value}}$

N/A = Not Applicable

** % Recovery = $\frac{\text{(Spiked sample result - sample result)}}{\text{Spike Added}}$ X 100

Analytical Technologies, Inc. Corporate Offices: 225 W. 30th Street National City, CA 92050 619 477-4173

I.D. #01-002218

Southern California Edison
2244 Walnut Grove
Rosemead, California 91770

Attention: Jim Moreno/John McKinley

On May 10, 1985, Analytical Technologies, Inc. received fifty-three (53) soil samples for analyses. The samples were analyzed for petroleum hydrocarbons (Pet H-C) by Freon extraction followed by infrared spectroscopy in accordance with EPA method 418.1. Total chromium (Cr) was determined by atomic emission spectroscopy by inductively coupled argon plasma (ICAP) in accordance with EPA method 6010.

The results for these analyses are enclosed.

Sharon Hudson Bjork
Technical Assoicate

Reviewed by
Mark King
Laboratory Manager

SHB/dm
Attachments

NOTE: Samples from the above project will be disposed of in 30 days from the date of this report unless we are notified otherwise.

ANALYTICAL TECHNOLOGIES, INC. I.D. #01-002218

PET H-C
DATA SHEET

Client: Southern California Edison
Date Received: 5/10/85
Data Analyzed: 5/23/85
Date Reported: 6/11/85

Sample Matrix: Soil
Method No.: 418.1
Units: milligrams per kilogram (mg/Kg)

Sample	Pet H-C
CB-13 @ 12-24	1590
CB-13 @ 24-36	67.9
CB-13 @ 36-48	3.5
CB-14 @ 12-24	2.2
CB-14 @ 24-36	1.4
CB-14 @ 36-48	4.2
CB-15 @ 12-24	72.0
CB-15 @ 24-36	14.4
CB-15 @ 36-48	9.6
CB-16 @ 12-24	81.1
CB-16 @ 24-36	28.1
CB-16 @ 36-48	<1.0
CB-17 @ 12-24	46.9
CB-17 @ 24-36	4.1
CB-17 @ 36-48	1.9
CB-18 @ 0-12	594
CB-18 @ 12-24	29.9
CB-18 @ 60-64	<1.0
CB-18 @ 64-72	<1.0
CB-19 @ 0-12	1140
CB-19 @ 24-36	109
CB-19 @ 36-48	33.1
CB-20 @ 24-32	1520
CB-20 @ 32-36	36.8
CB-21 @ 24-36	32.2
CB-21 @ 36-48	<1.0

ANALYTICAL TECHNOLOGIES, INC.

I.D. #01-002218

PET H-C CONTINUED

DATA SHEET

Client: Southern California Edison
Date Received: 5/10/85
Date Analyzed: 5/23/85
Date Reported: 6/11/85

Sample Matrix: Soil
Method No.: 418.1
Units: mg/Kg

Sample	Pet H-C
CB-21 @ 48-60	<1.0
CB-22 @ 24-36	3.1
CB-22 @ 36-48	9.0
CB-22 @ 48-60	<1.0
CB-23 @ 0-12	1960
CB-23 @ 12-18	2460
CB-23 @ 18-24	30.5
CB-23 @ 24-36	23.1
CB-23 @ 36-48	7.7
CB-23 @ 48-54	<1.0
CB-23 @ 54-60	<1.0
CB-24 @ 0-12	700
CB-24 @ 2-20	145
CB-24 @ 20-36	1030
CB-24 @ 36-48	2.6
CB-24 @ 48-58	<1.0
CB-24 @ 58-66	49.2
CB-24 @ 66-72	4.8
CB-25 @ 0-10	1050
CB-25 @ 10-24	3.4
CB-26 @ 0-12	24.6
CB-26 @ 24-30	631

ANALYTICAL TECHNOLOGIES, INC. I.D. #01-002218

PET H-C CONTINUED

DATA SHEET

Client: Southern California Edison
Date Received: 5/10/85
Date Analyzed: 5/23/85
Date Reported: 6/11/85

Sample Matrix: Soil
Method No.: 418.1
Units: mg/Kg

Sample	Pet H-C
CB-26 @ 30-42	8850
CB-26 @ 42-54	<1.0
CB-27 @ 24-37	3830
CB-27 @ 37-44	17.4
South Pond 2.5"	2060

ANALYTICAL TECHNOLOGIES, INC. I.D. #01-002218

Cr

DATA SHEET

Client: Southern California Edison
Date Received: 5/10/85
Date Analyzed: 5/28/85
Date Reported: 6/11/85

Sample Matrix: Soil
Method No.: 6010
Units: mg/Kg

Sample	Cr
CB-18 @ 12-24	3.01
CB-18 @ 60-64	7.60
CB-18 @ 64-72	5.02

LABATORY RAW DATA SHEETS

SCE AND TAMCO WATER AND SOIL ANALYSES

(GROUND WATER, SERVICE WATER, WASTEWATER AND SOIL)

ALL SAMPLES WERE ANALYZED FOR TOTAL PETROLEUM HYDROCARBONS

Analytical Technologies, Inc. Corporate Offices: 225 W. 30th Street National City, CA 92050 619 477-4173

I.D. 01-002136

May 13, 1985

Southern California Edison
P.O. Box 800
Rosemead, CA 91770

Attention: Chuck Buril

On April 18, 1985, Analytical Technologies, Inc. received five (5) water samples and one (1) soil sample in good condition for analysis. The petroleum hydrocarbon analyses were done for both the soil and the water by freon extraction and infrared spectophotometry. This method is in accordance with EPA method 418.1.

The results of the analyses are attached.

Sharon Hudson Bjork
Technical Associate

Reviewed by:

Mark King
Laboratory Manager

SHB:mat

Enclosures

NOTE: Samples from this project will be disposed of in thirty (30) days from the date of this report unless we are informed otherwise.

ANALYTICAL TECHNOLOGIES, INC. I.D. 01-002136

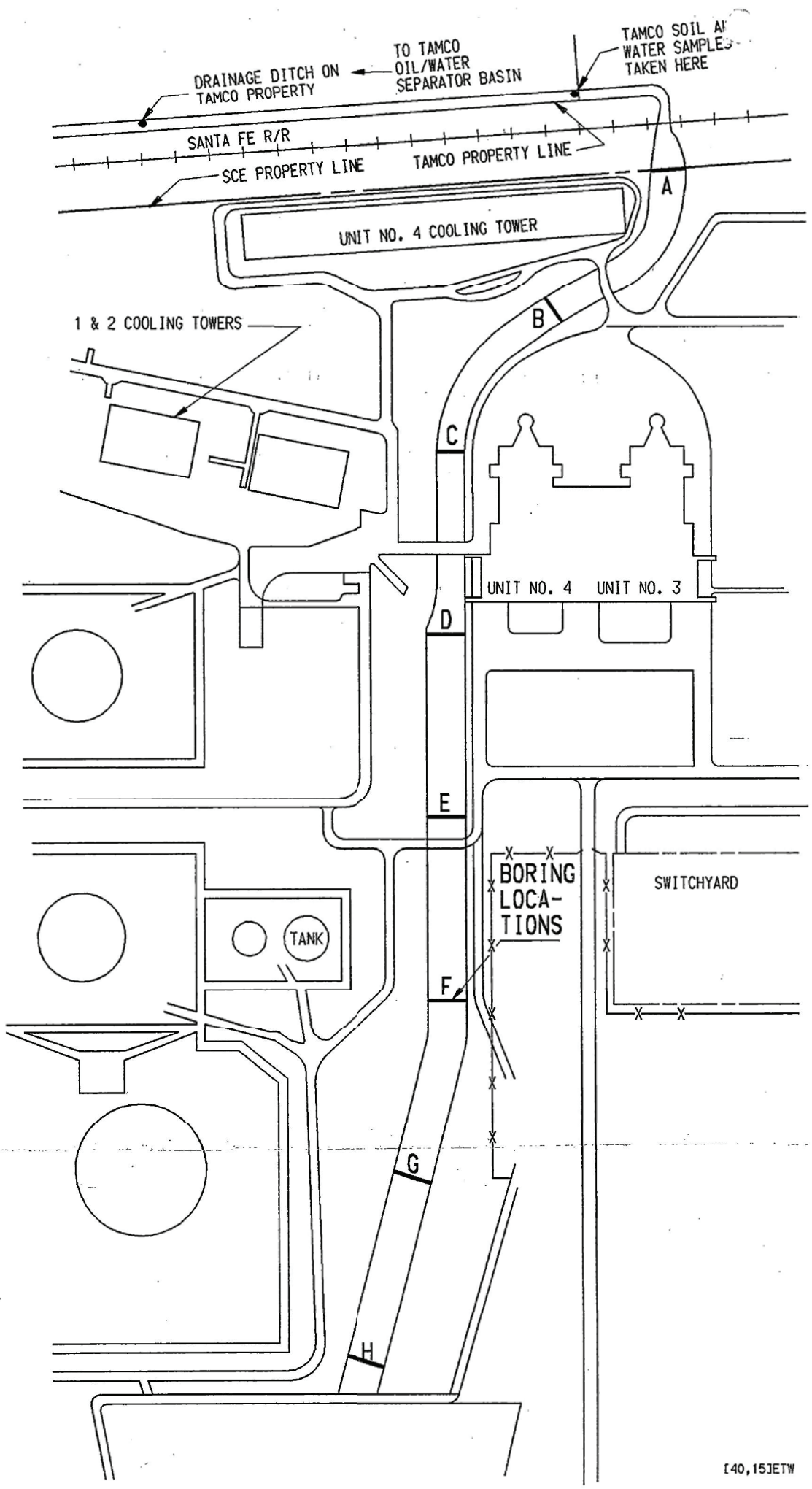
PETROLEUM HYDROCARBON ANALYSIS

[Client: Southern California Edison]

	Concentration = mg/kg*
Etiwanda E Well	<0.1
Etiwanda Cata Well	<0.1
Service Water Tank	<0.1
TAMCO Cooling Tower Basin	35.6
TAMCO Creek Outlet - Water	6.2
TAMCO Creek Outlet - Soil	257

*mg/kg = milligrams per kilogram

APPENDIX D

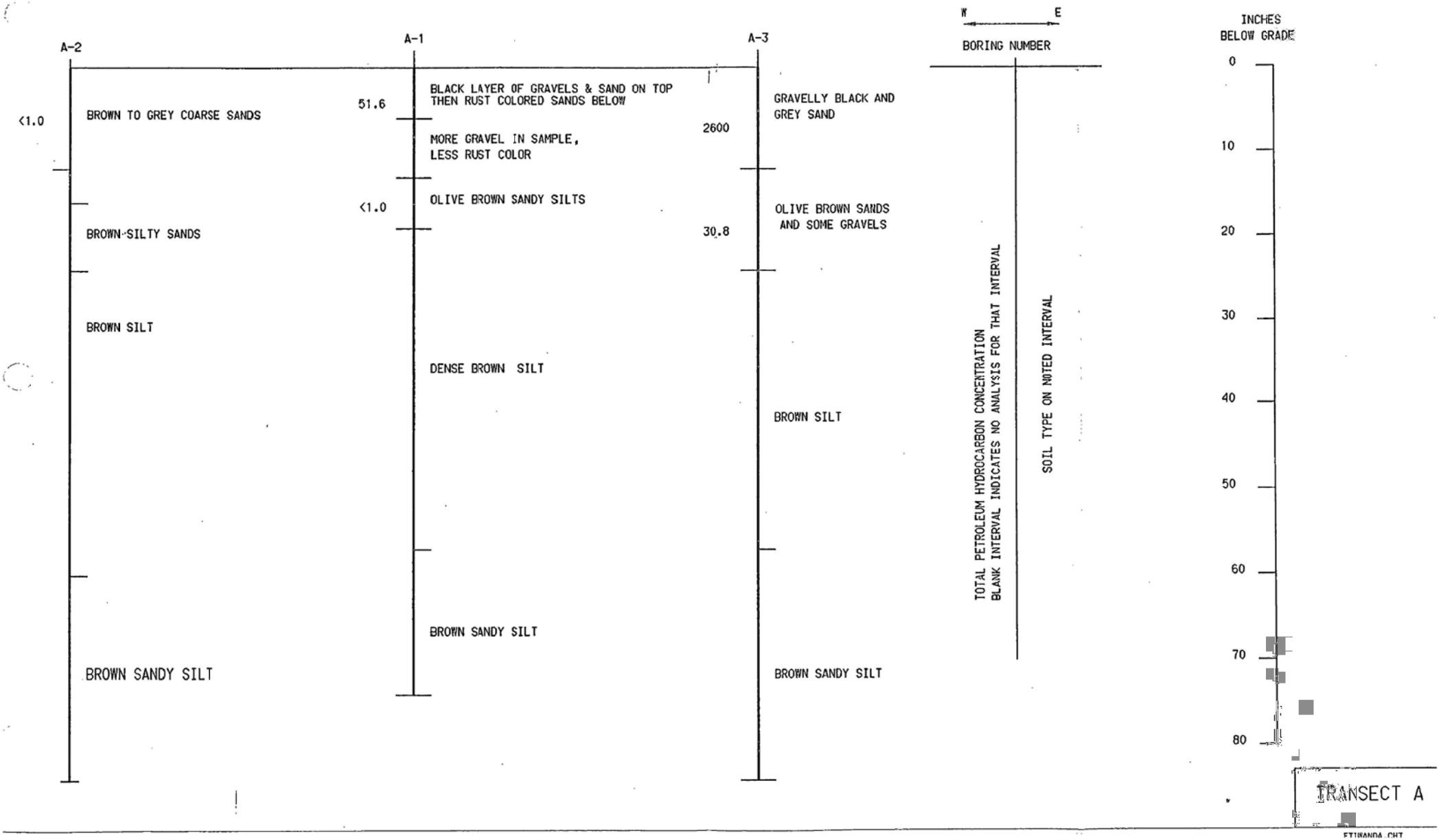


CHANNEL SOIL SAMPLING TRANSECTS

SOIL TYPES AND TOTAL PETROLEUM HYDROCARBON CONCENTRATION

IN THE CHANNEL

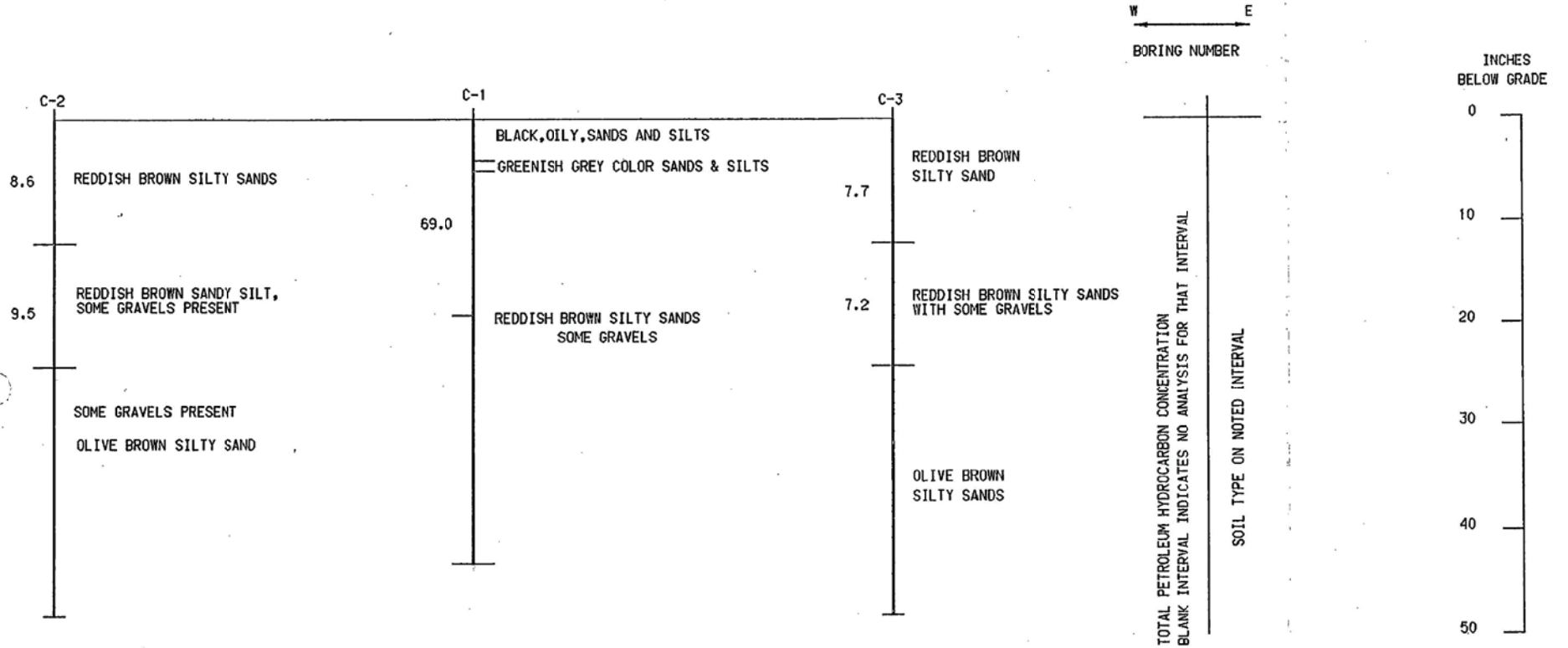
TRANSECT A



SOIL TYPES AND TOTAL PETROLEUM HYDROCARBON CONCENTRATION

IN THE CHANNEL

TRANSECT C

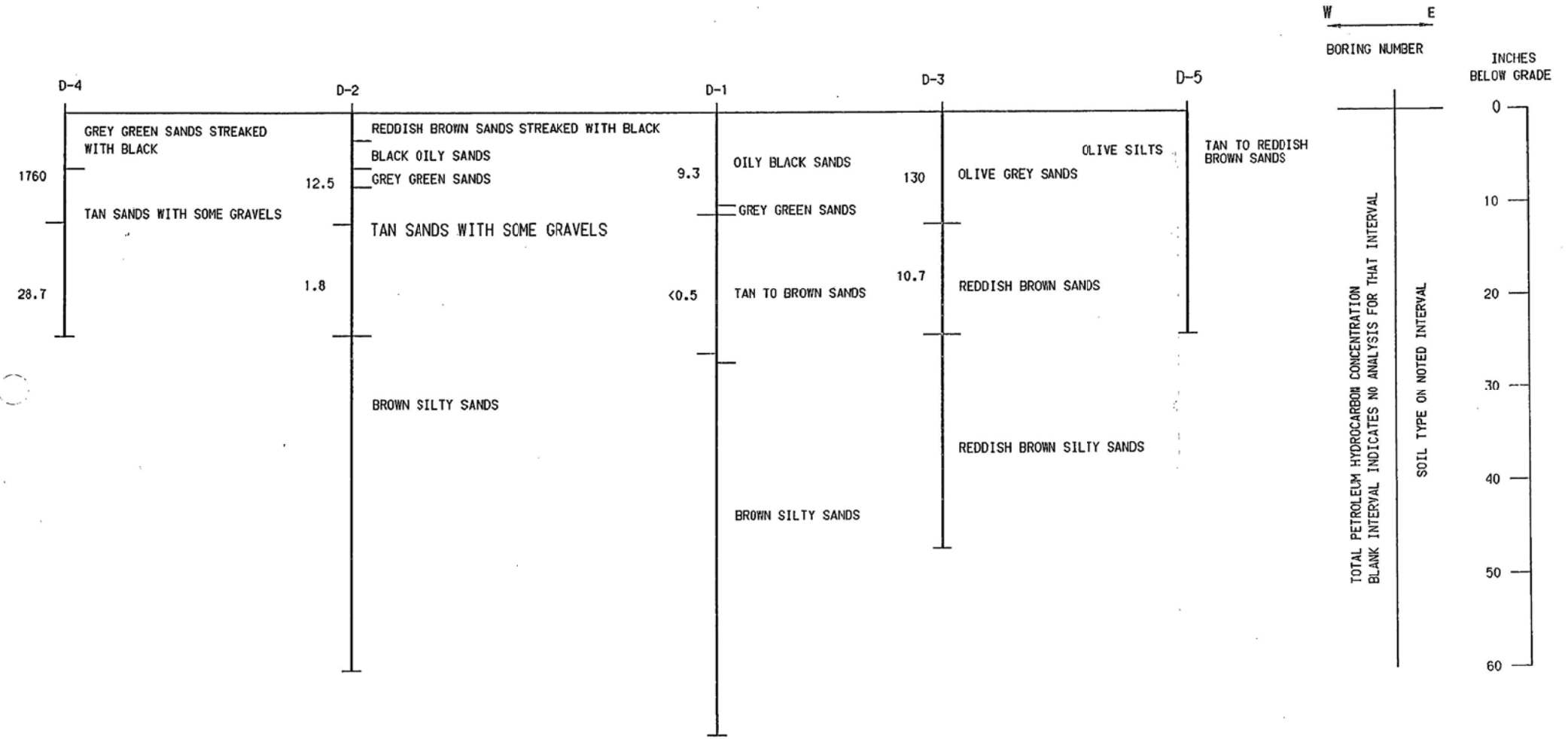


TRANSECT C

SOIL TYPES AND TOTAL PETROLEUM HYDROCARBON CONCENTRATION

IN THE CHANNEL

TRANSECT D

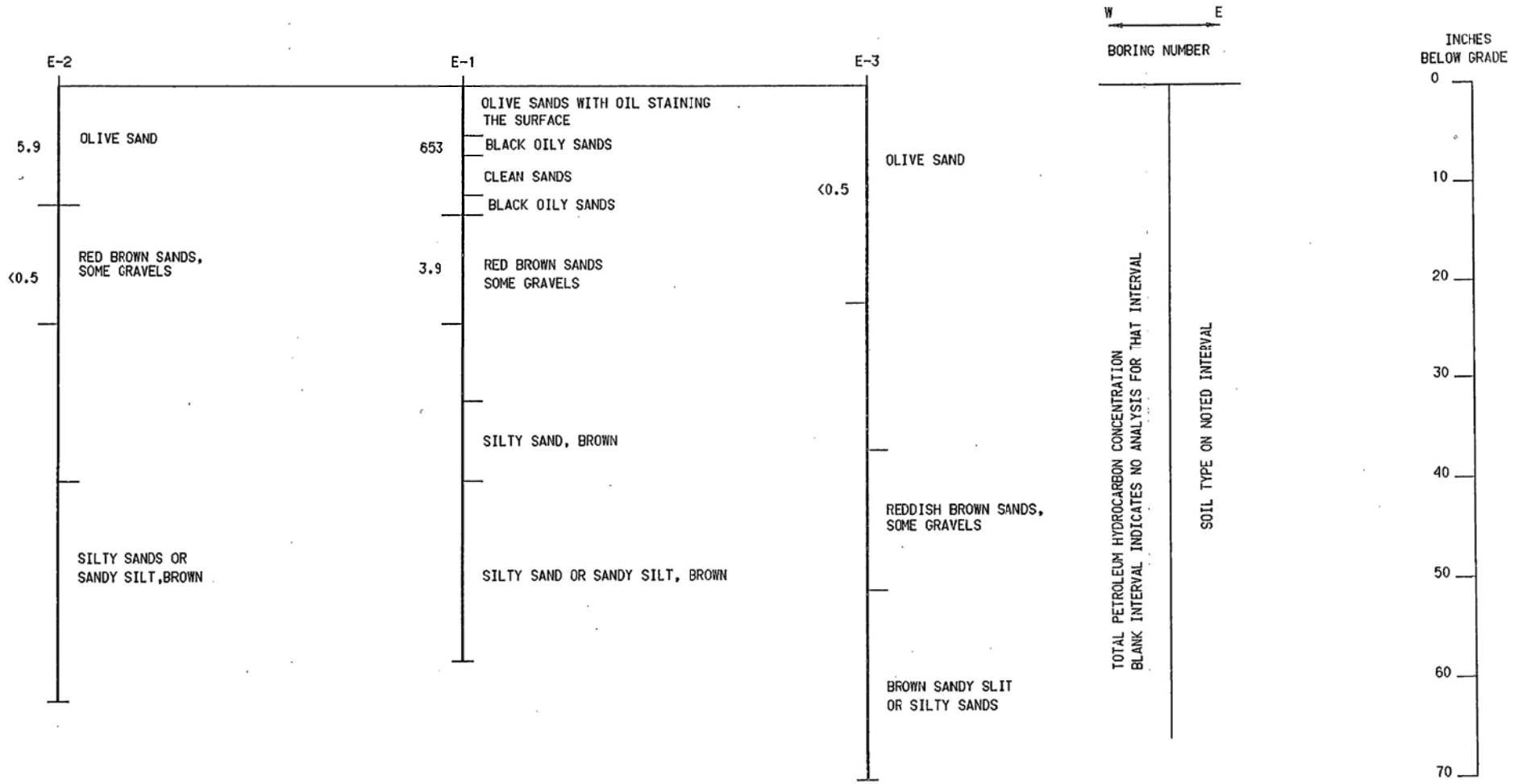


TRANSECT D

SOIL TYPES AND TOTAL PETROLEUM HYDROCARBON CONCENTRATION

IN THE CHANNEL

TRANSECT E



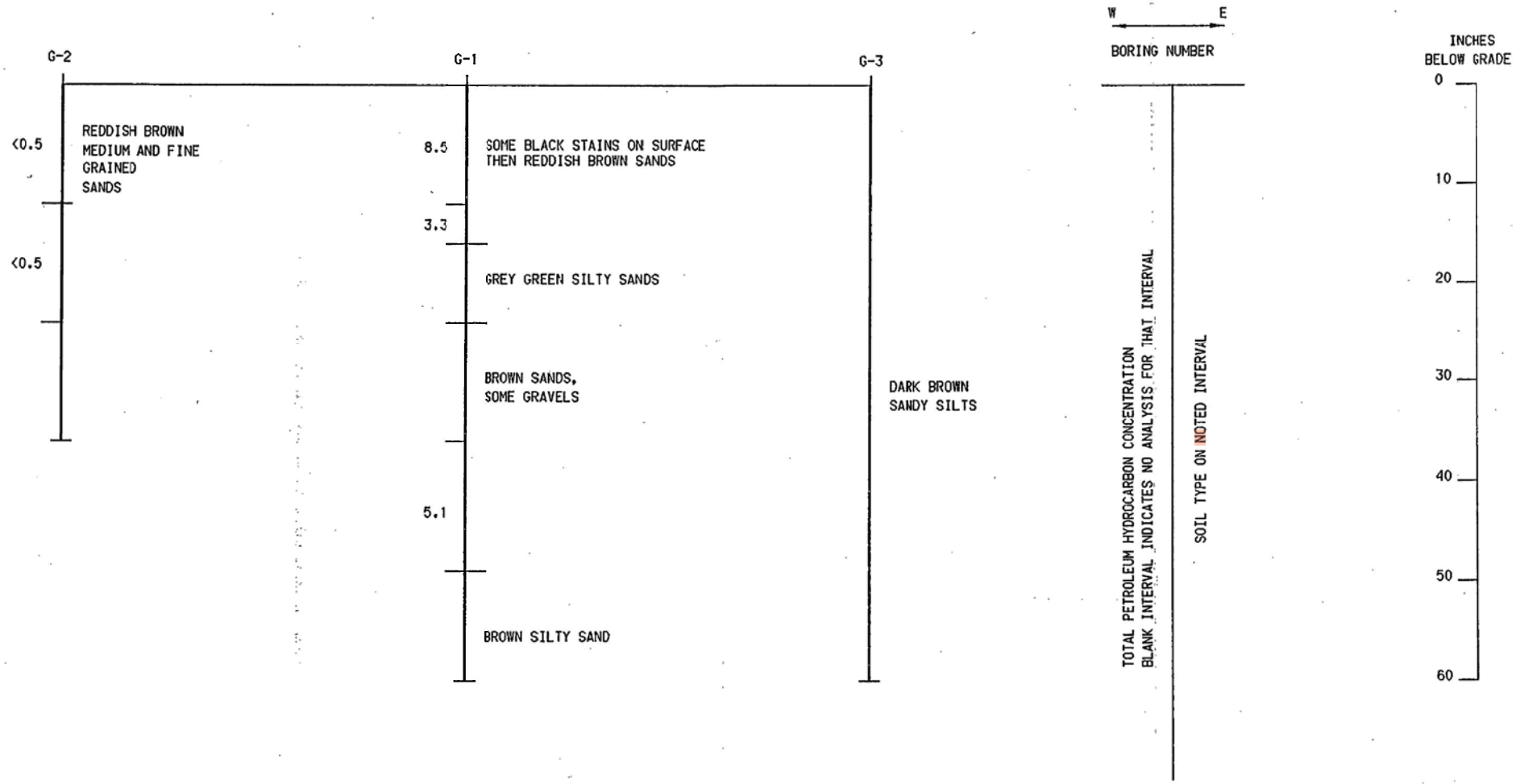
TRANSECT E

FTIWANDA.CHT

SOIL TYPES AND TOTAL PETROLEUM HYDROCARBON CONCENTRATION

IN THE CHANNEL

TRANSECT G

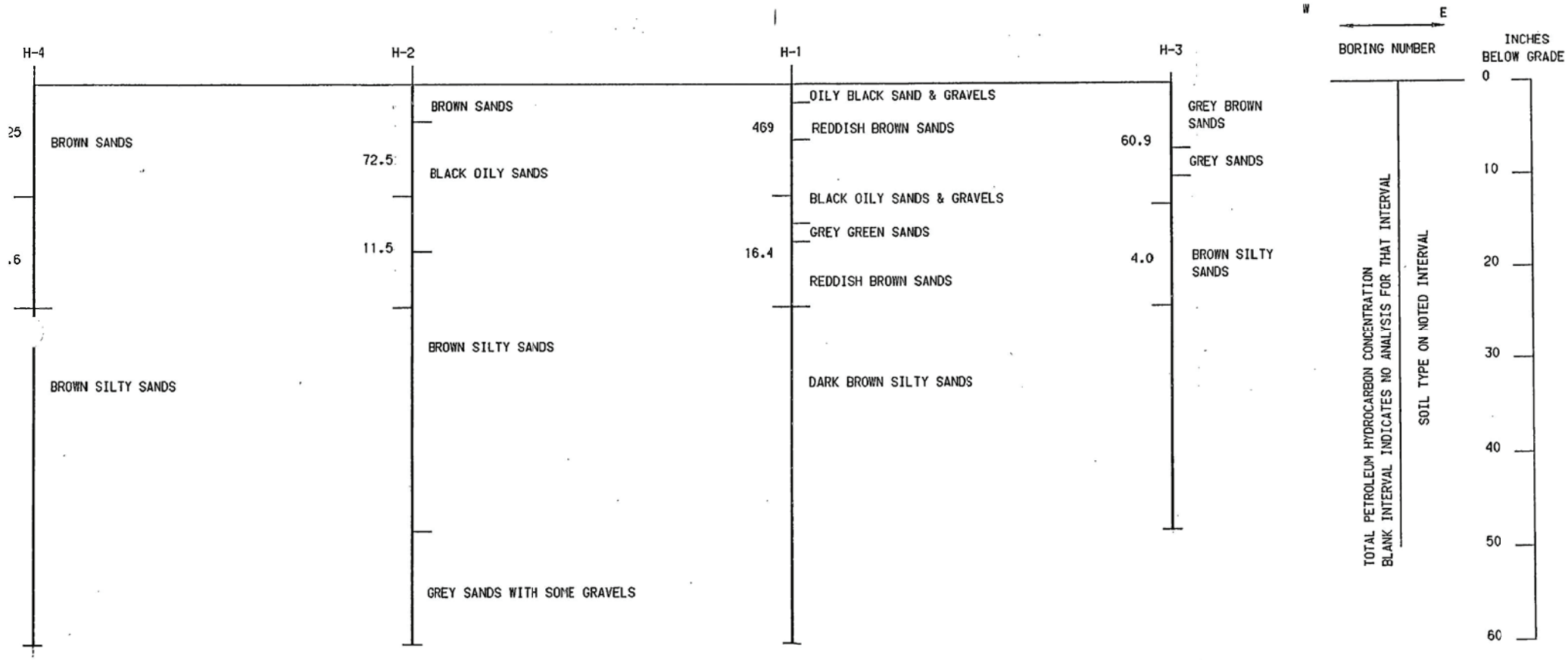


TRANSECT G

SOIL TYPES AND TOTAL PETROLEUM HYDROCARBON CONCENTRATION

IN CHANNEL

TRANSECT H



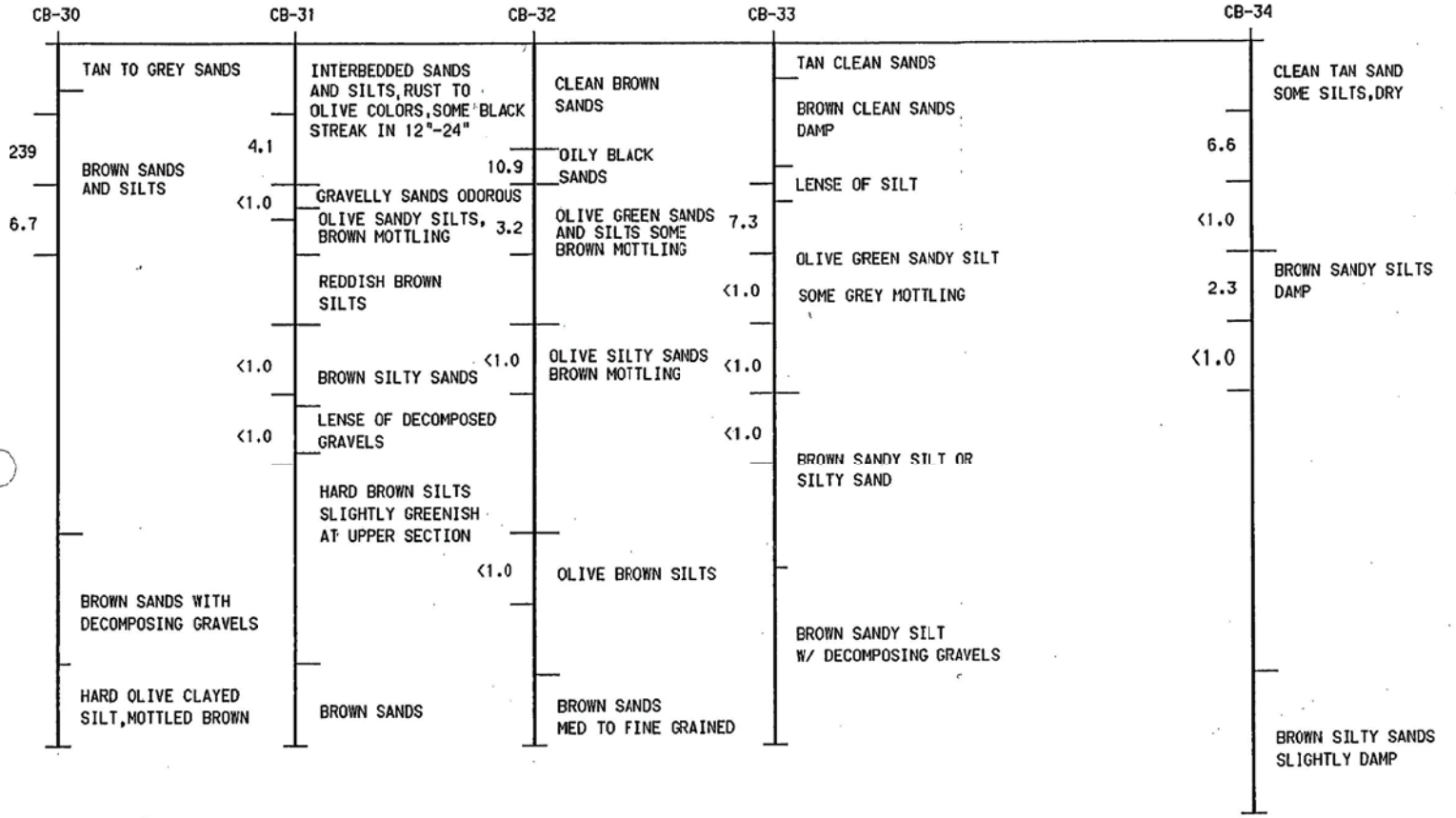
TRANSECT H

FTIWANDA.CHT

SOIL TYPES AND TOTAL PETROLEUM HYDROCARBON CONCENTRATION

SPREADING BASIN

TRANSECT NUMBER 1



W E

BORING NUMBER

TOTAL PETROLEUM HYDROCARBON CONCENTRATION
BLANK INTERVAL INDICATES NO ANALYSIS FOR THAT INTERVAL

SOIL TYPE ON NOTED INTERVAL

INCHES BELOW GRADE

0
20
40
60
80
100
120
140
160

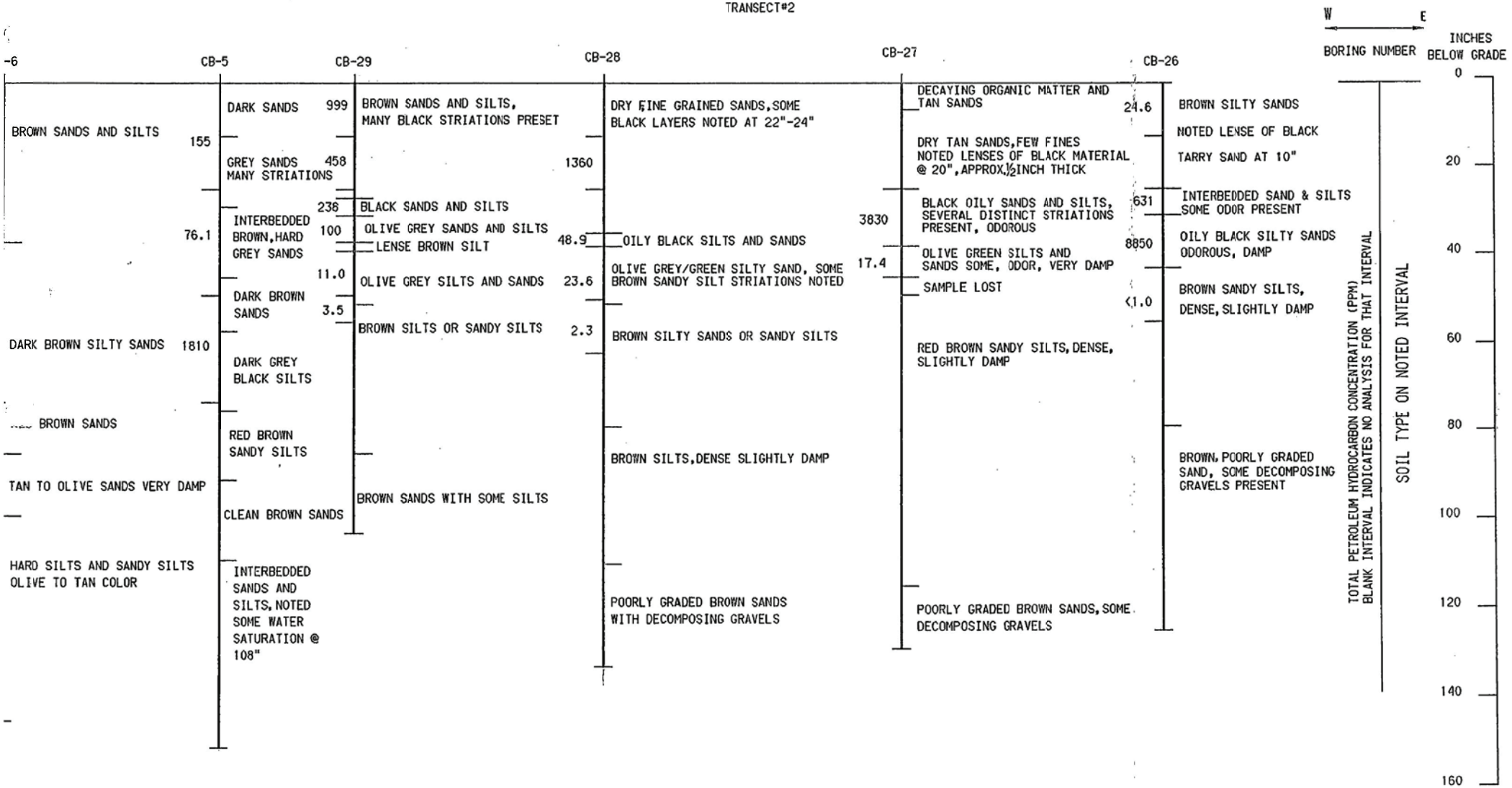
TRANSECT 1

ETRANDA.CHT

SOIL TYPES AND TOTAL PETROLEUM HYDROCARBON CONCENTRATION

IN THE ETIWANDA SPREADING BASIN

TRANSECT#2



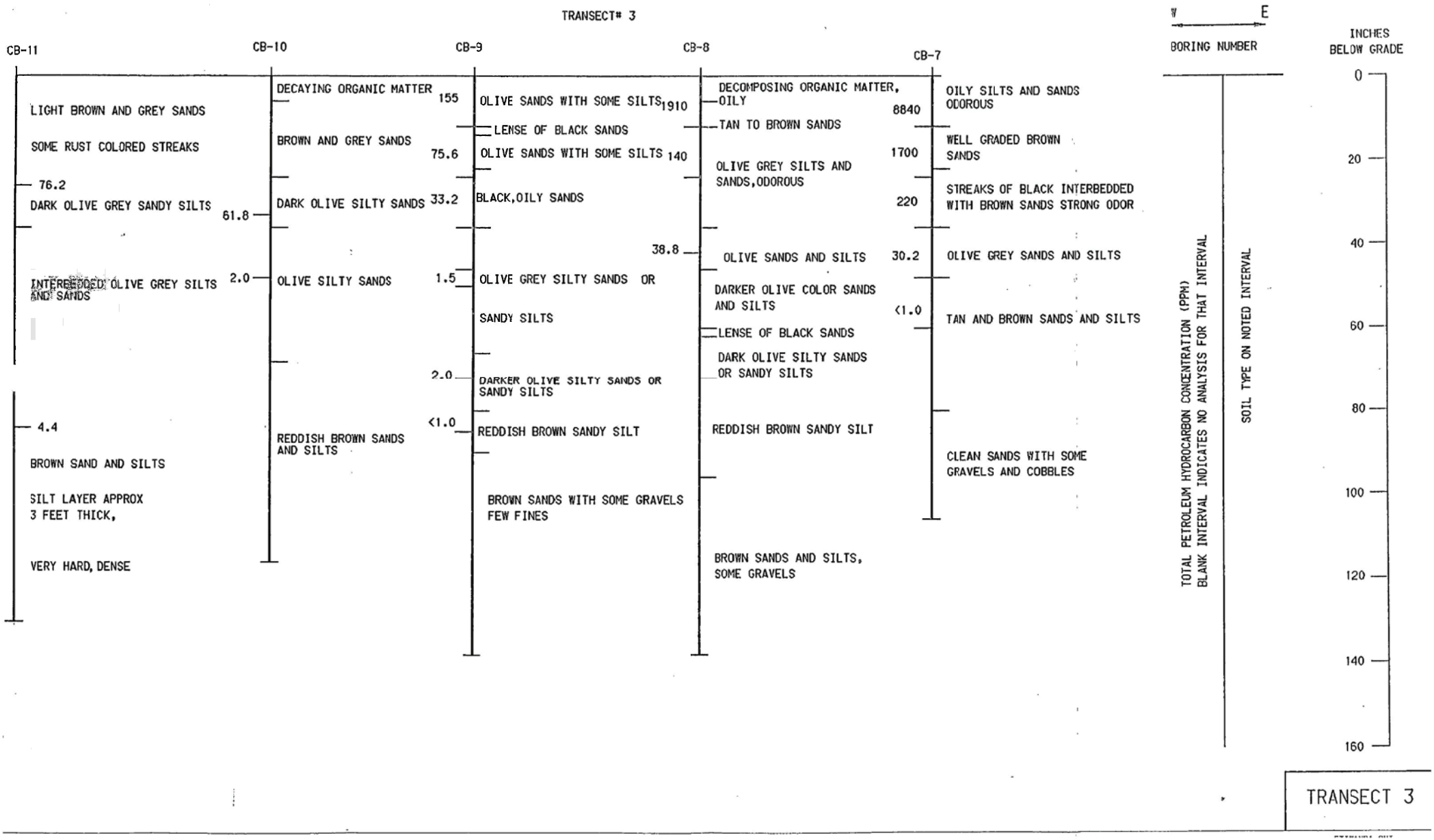
TRANSECT 2

ETIWANDA CUT

SOIL TYPES AND TOTAL PETROLEUM HYDROCARBON CONCENTRATION

IN THE ETIWANDA SPREADING BASIN

TRANSECT# 3

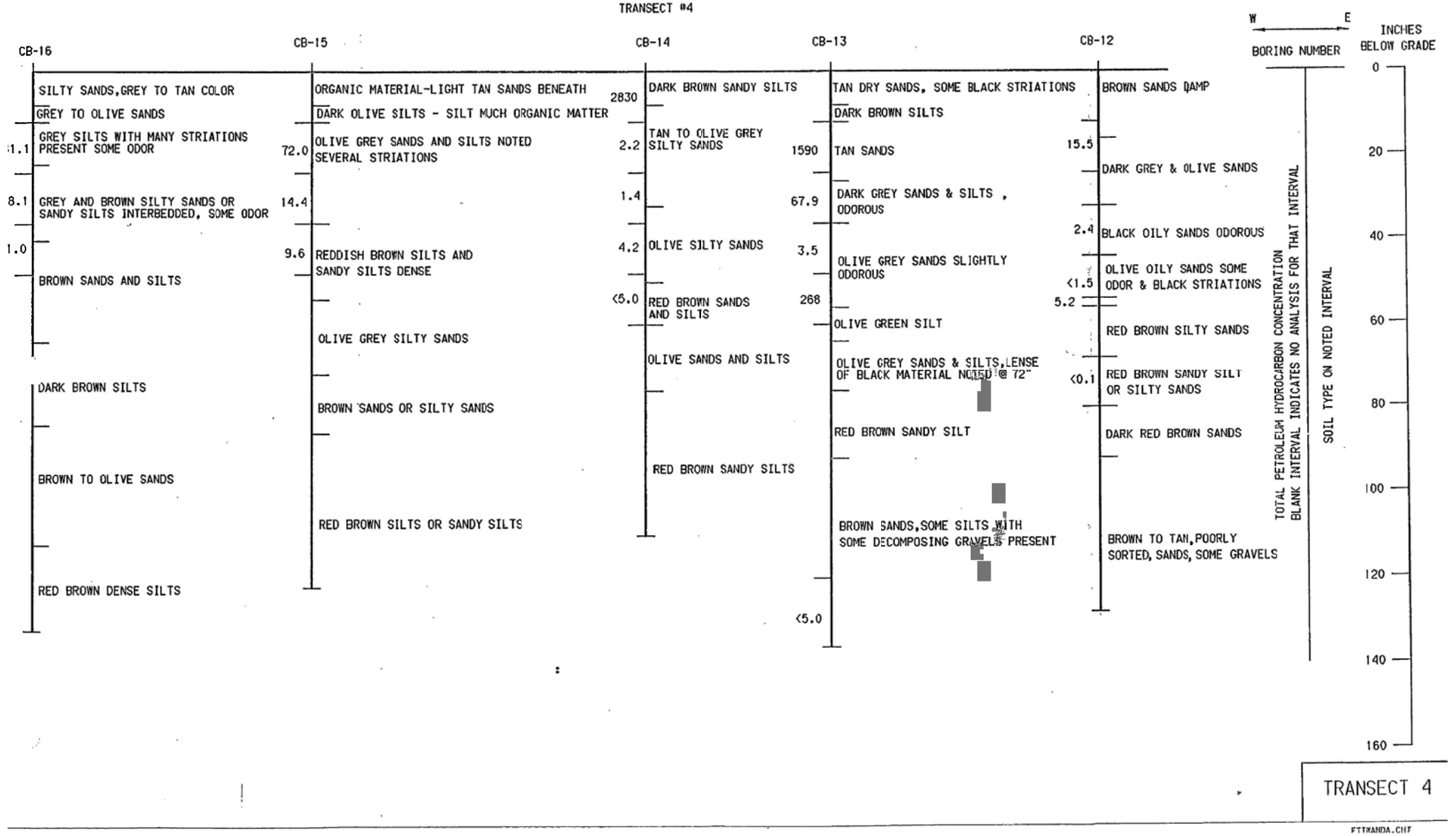


TRANSECT 3

SOIL TYPES AND TOTAL PETROLEUM HYDROCARBON CONCENTRATION

IN THE ETIWANDA SPREADING BASIN

TRANSECT #4



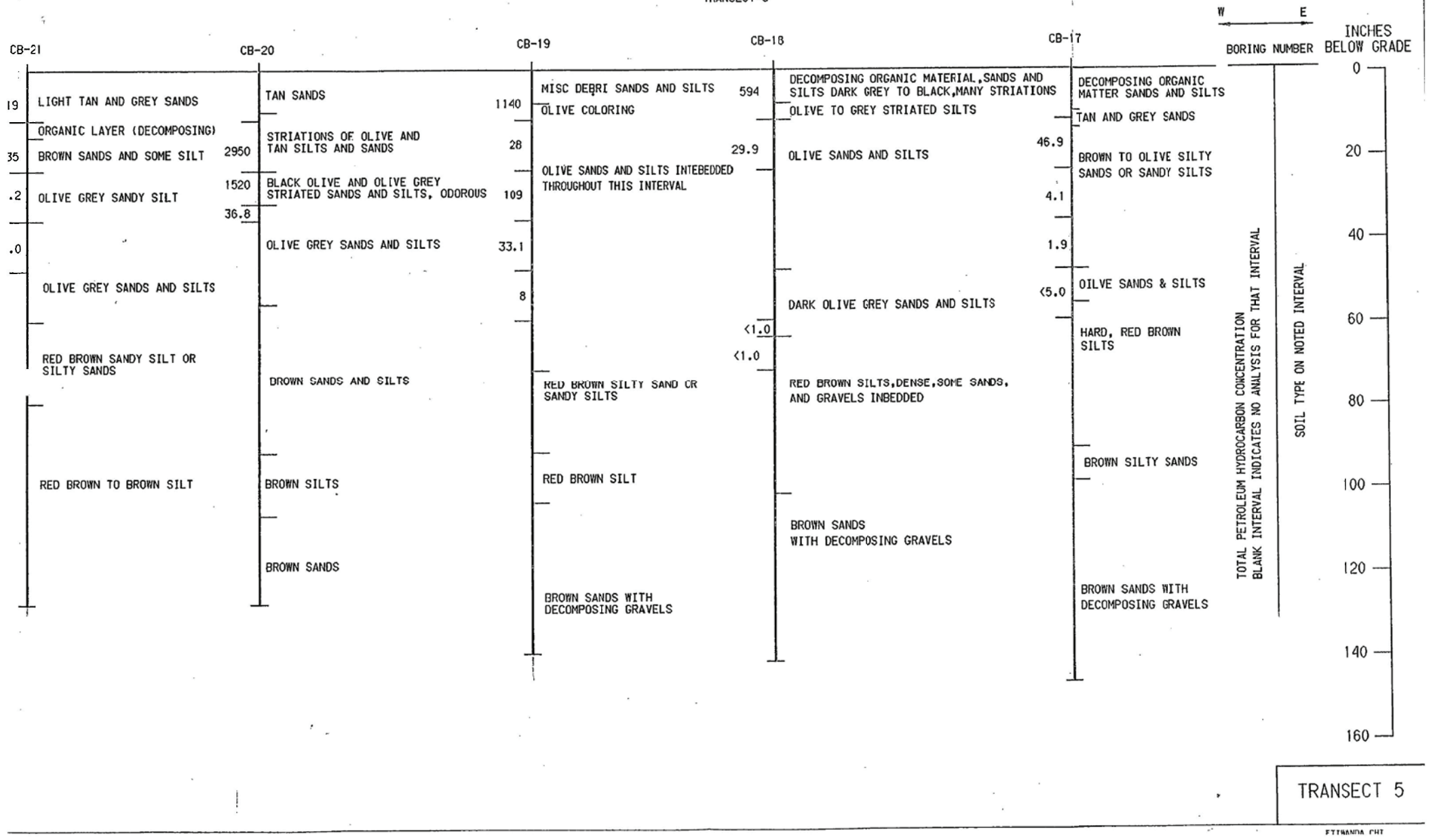
TRANSECT 4

ETIWANDA.CHT

SOIL TYPES AND TOTAL PETROLEUM HYDROCARBON CONCENTRATION

IN THE ETIWANDA SPREADING BASIN

TRANSECT#5



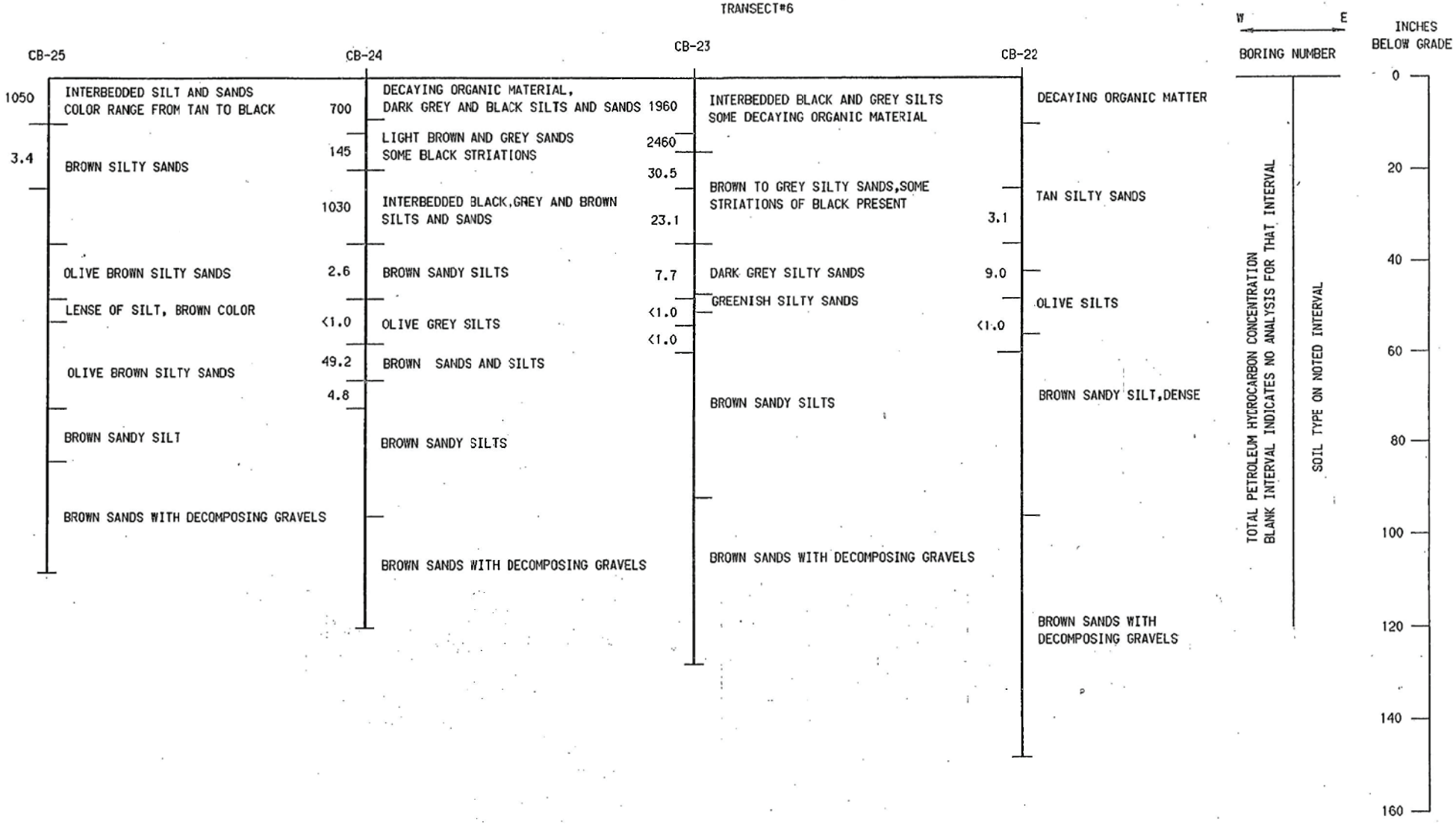
TRANSECT 5

ETIWANDA CHT

SOIL TYPES AND TOTAL PETROLEUM HYDROCARBON CONCENTRATION

IN THE ETIWANDA SPREADING BASIN

TRANSECT#6



TRANSECT 6

APPENDIX E

Etiwanda Sediment
Hydrocarbon Contamination

Report to
Southern California Edison

By:

GLOBAL *GEO*CHEMISTRY CORPORATION

6919 Eton Avenue

Canoga Park, California 91303-2194

(818) 992-4103

Etiwanda Sediment Hydrocarbon Contamination

At the request of SCE seven (7) sediment, one water, and one fuel oil sample were analyzed for the following geochemical data:

- extractable content
- elution chromatography (saturate, aromatic, polar)
- high resolution gas chromatography of saturate fraction
- GC/MS of branched and cyclic saturate compounds (isoprenoids, terpanes, steranes)
- carbon isotope (δ^{13}) and hydrogen isotope (δD) measurements of the aromatic fraction.

The purpose of these analyses was to determine if the tanks of fuel oil stored at the Etiwanda site were responsible for the sediment hydrocarbon contamination in the evaporating pond/wash.

The level of contamination (extractables) range from one part per thousand (ppt) to in excess of 43 ppt in the sediment from the Tamco Creek outlet (Table 1). Because the level of contamination is in part a function of the adsorptive capacity of the sediments (i.e. clay content), the high extractable content in the Tamco Creek sample may be the result of its finer grained texture relative to the more coarser (sandy) samples.

The extracts and fuel oil were separated into compound classes (saturate, aromatic, polar) on a bed of activated silica gel and weighed. The compositions of the samples are listed in Table 1 and portrayed on a ternary plot (Figure 1).

The fuel oil sample (#9) is differentiated from the others in having a relatively high aromatic and low polar fraction content. Samples #6 and #3 (Site 10) also have a low polar content but are enriched in the saturate fraction. Because the saturated hydrocarbons are the first to be removed by bacterial alteration, the higher saturate content of the site 10 samples suggest they can not be sourced by the fuel oil.

The saturate fraction from elution chromatography was analyzed by high resolution gas chromatography (Figures 2 to 10). Based on the absence of the n-alkanes and isoprenoids and the presence of a large naphthenic 'hump', all samples except the fuel oil are biodegraded. Therefore, the most common fingerprint approach of comparing low molecular weight isoprenoid and/or n-alkane distributions among oil samples or hydrocarbon extracted samples can not be applied to these oils. Because the cyclic components (terpanes and steranes) are the most resistant to bacteriologic degradation, the saturate fractions of the oils were analyzed by GC/MS techniques to compare the high molecular weight isoprenoid, sterane, and triterpane distributions.

The high molecular weight ($>C_{30}$) isoprenoid distributions (M/Z 183) for the samples are shown in Figure 11. Of the nine samples run, sample numbers 4, 2, 8 and 5 showed little or no high molecular weight isoprenoid signatures (Figure 11). Of the remaining samples, the two at site #10 (samples 3 and 6) show a good match which is supported by the gross compositional analyses shown in Figure 1 and Table 1. Although their ionization pattern is weak (low signal/noise), samples 7 (Tamco Ck) and 1 (Site 1) show similar signatures. In contrast to the other samples, the fuel oil (sample 9) shows a distribution of isoprenoids which is dominated by a single component (peak #10). The retention time (eluting prior to nC_{29}) and mass spectral fragmentation suggests that this component is botryococcane, a C_{34} isoprenoid derived from the alga, Botryococcus Sp. This compound has been noted to be a dominant isoprenoid in certain oils from Indonesia (Seifert and Moldowan, 1981). Based on this unique isoprenoid occurrence in the fuel oil, the sediment contamination could not be sourced from the fuel oil supplied to GGC.

The sterane and terpane distributions of oils have been widely used as a tool for oil-oil correlations. These compounds are termed the 'biomarkers' due to their direct relation to the biological populations which have formed the oil.

The sterane distribution is characteristically portrayed using the M/Z 217 fragment ion (Figures 12 and 13) and consists of a complex mixture of 25 to 35 compounds. For the purpose of comparison and simplicity, only seven compounds have been labelled and shaded in the Figures. From the distributions, shown, the samples can be placed into two general groups based on the abundance of the C_{27} diasteranes (peaks A&B) which are very abundant in samples 3, 6, and 8 and much less abundant in the remaining samples. Samples 3 and 6 also show other similarities (gross composition; isoprenoids) and have a lower abundance of the 14β, 17β steranes relative to the oil/water separator sample (#8). (Compare the distributions of the C_{29} steranes, peaks E, F, G). The other samples (showing low C_{27} diasteranes) are differentiated from the fuel oil in having an abundant C_{29} diasterane (peak C) and a lower abundance of the 5α, 14α, 17α, C_{27}, C_{28} and C_{29} 20R regular steranes. For example, the C_{28} and C_{29} 20R steranes (peaks D and G, respectively) are notably more abundant in the fuel oil than in the other samples which have more abundant 14β, 17β, C_{29} steranes (peak F).

The triterpane distributions, characterized by the M/Z 191 fragment are shown in Figures 14 and 15 for the samples. Analogous to the steranes, samples 3, 6 and 8 are different from the remaining samples in showing a higher abundance of the extended tricyclics (doublets 1 and 2). The remaining samples are different from the fuel oil in having more abundant norhopanes (peak 6) and extended hopanes (doublet 9) relative to hopanes (peak 8).

To further characterize the oil and the soil and water extracts, the stable isotope ratios of carbon ($\delta^{13}C$) and hydrogen (δD) were determined on the aromatic fraction of the oils. Although the molecular composition of oils are susceptible to microbial attack the isotope ratios are not significantly affected by alteration processes and hence the stable isotope measurements of oils and their fractions are quite useful in oil-oil correlation. Six samples were selected for isotope

measurements and the data listed in Table 2. Both the $\delta^{13}C$ and δD data further suggest that the fuel oil is not the source of sediment contamination. The $\delta^{13}C$ value of the hydrocarbons extracted from the sediment is $\emptyset.4^{o}/oo$ to $1.\emptyset^{o}/oo$ depleted in ^{13}C relative to the fuel oil. The hydrogen isotope ratios, (δD), by contrast to the carbon isotope measurements, indicate that the oils responsible for the sediment contamination are at least $25^{o}/oo$ enriched in δD relative to the fuel oil. From our studies in oil spills (Mankiewicz, & Kaplan 1981) δD values of oils change very little with alteration. Furthermore, any ^{13}C or deuterium enrichment or depletion should be in the same direction. This implies that the sediment hydrocarbon contamination is not sourced by the fuel oil sample.

Summary

The fuel oil does not appear to be the source of the sediment contamination. This is based on the gross composition of the oils (saturate, aromatic, polar), the distribution of isoprenoids and steranes, and to a lesser extent the triterpanes. Further support for a non fuel oil source are the stable isotope ratios of carbon and hydrogen which show that the δD values of the sediment and water extractable aromatic hydrocarbons are $25^{o}/oo$ enriched in deuterium relative to the fuel oil and the carbon isotope ratio ($\delta^{13}C$) of the sedinent hydrocarbons are $\emptyset.4^{o}/oo$ to $1.\emptyset^{o}/oo$ depleted in ^{13}C relative to the fuel oil.

References: Seifert, W.K., and J.M. Moldowan (1981) Paleoreconstruction by biological markers. Geochimica. Cosmochim. Acta Vol 45, pp 783-794.

Mankiewicz, P.J. and I.R. Kaplan (1981) in IXTOC oil spill assessment, section three: Stable isotope chemistry. BLM contract #AA851-CTO-71 to Energy Resources Co.

Table 1
Extract concentration and gross composition for sediment, water, and fuel oil samples.

GGC Code	SCE Description	Extract Concentration mg/g
2870-1	#1 at 30"	1.31
-2	#9 at 6"	2.05
-3	#10 at 14'	15.8
-4	#14 at 6'	1.3
-5	#15 at 3'	1.0
-6	Site #10 at 8'	2.5
-7	Tamco Creek Outlet 4-12-85	43.5
-8	Oil / Water sep 4-12-85	9.9*
-9	Fuel Oil	---

* mg/Liter

Sample	% Sat	% Arom	% Polar	Sat/Arom
2870-1	41.5	16.7	42.2	2.5
-2	37.1	15.7	47.4	2.4
-3	78.0	17.5	4.5	4.5
-4	39.2	30.8	30.0	1.2
-5	45.8	21.3	32.9	2.2
-6	77.7	13.0	9.1	6.0
-7	59.9	19.8	20.2	3.0
-8	37.5	20.8	41.7	1.8
-9	54.9	35.3	9.8	1.6

Table 2
Stable isotope ratios of aromatic fraction
of selected samples

GGC Code	SCE sample	$\delta^{13}C$ (PDB)*	δD (SMOW)**
2870-1	#1 @ 30"	-26.4	-101
-3	#10 @ 14"	-26.4	-107
-4	#14 @ 6'	-26.1, -26.2	-89, -87
-7	Tamco Creek Outlet	-26.7	-104
-8	Oil/water sep	-24.4	---
-9	Fuel oil	-25.7	-132

* Relative to a NBS-22 std. value of -29.8
** Relative to a NBS-22 std. value of -118

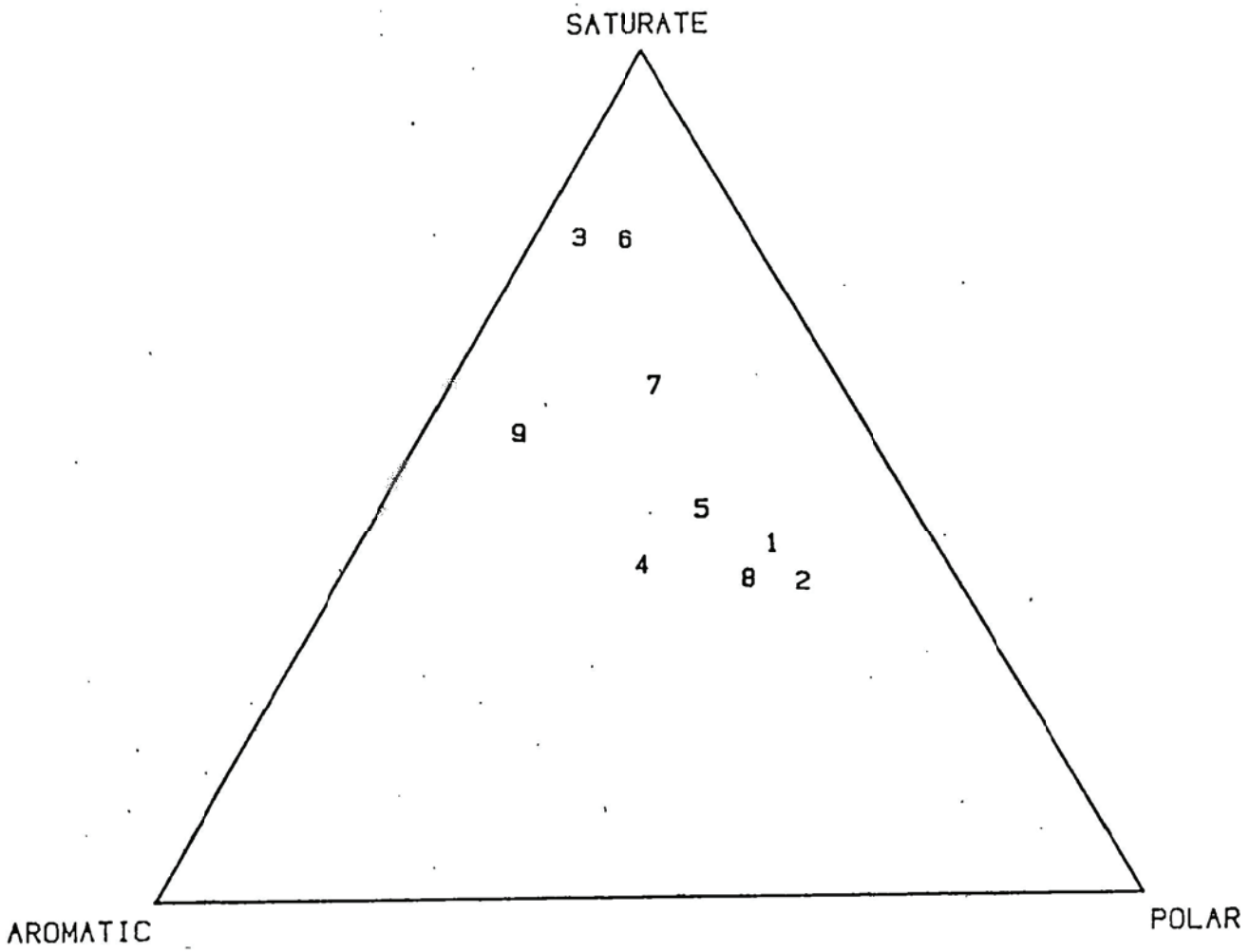


Figure 1: Ternary plot of the gross composition of fuel oil and sediment extracts.

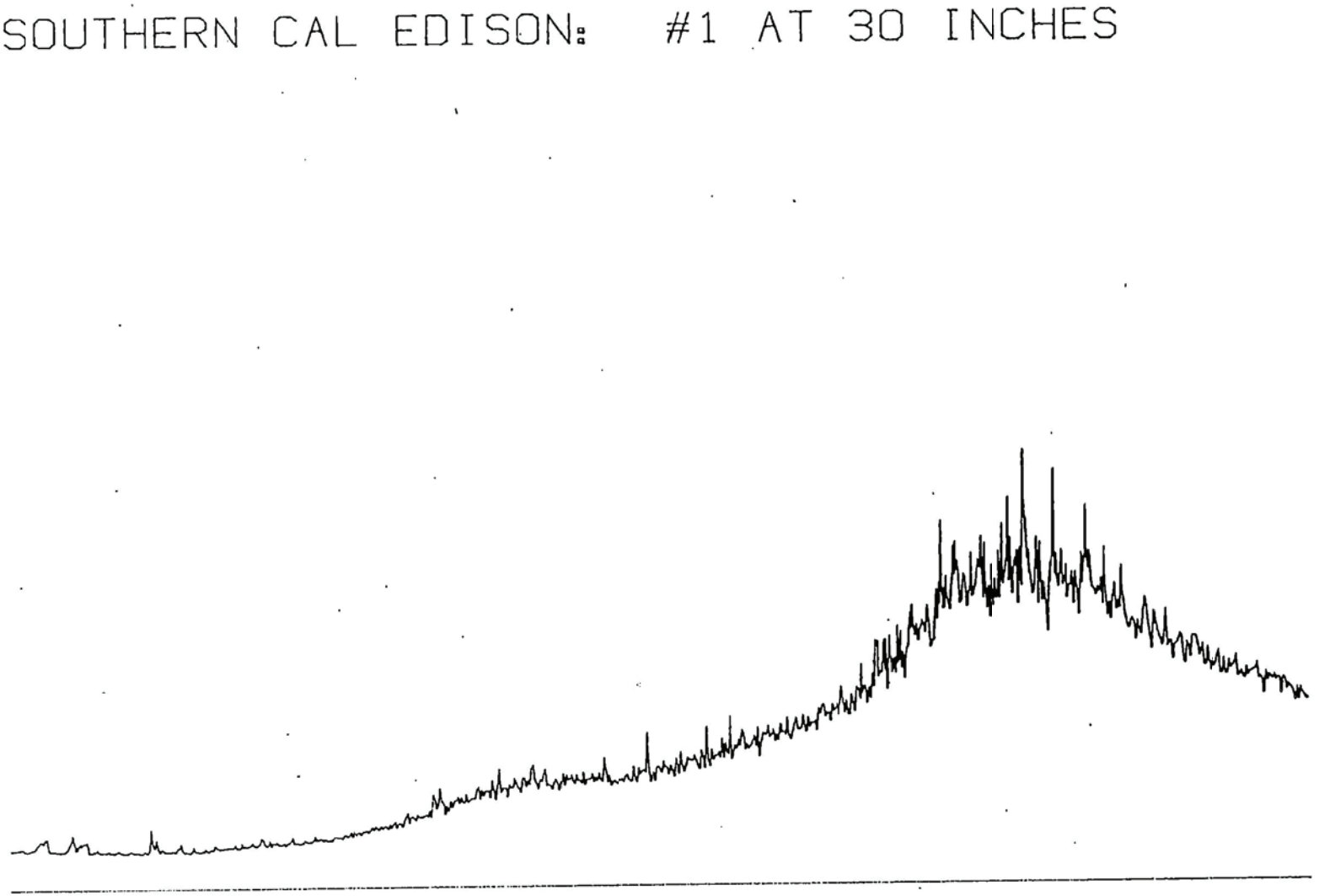


Figure 2: Gas Chromatographic trace of the saturate fraction of sample 2870-1.

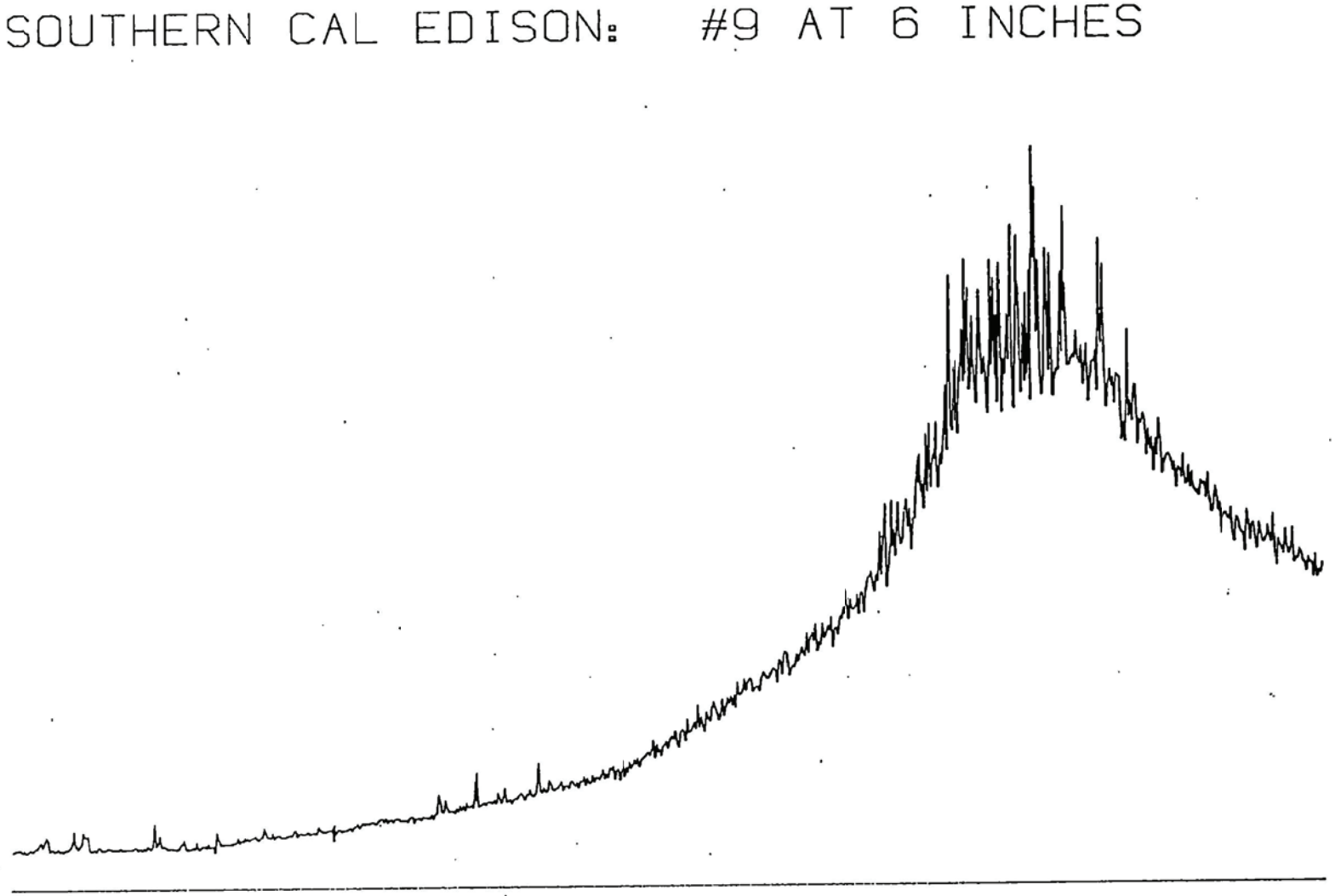


Figure 3: Gas Chromatographic trace of the saturate fraction of sample 2870-2.

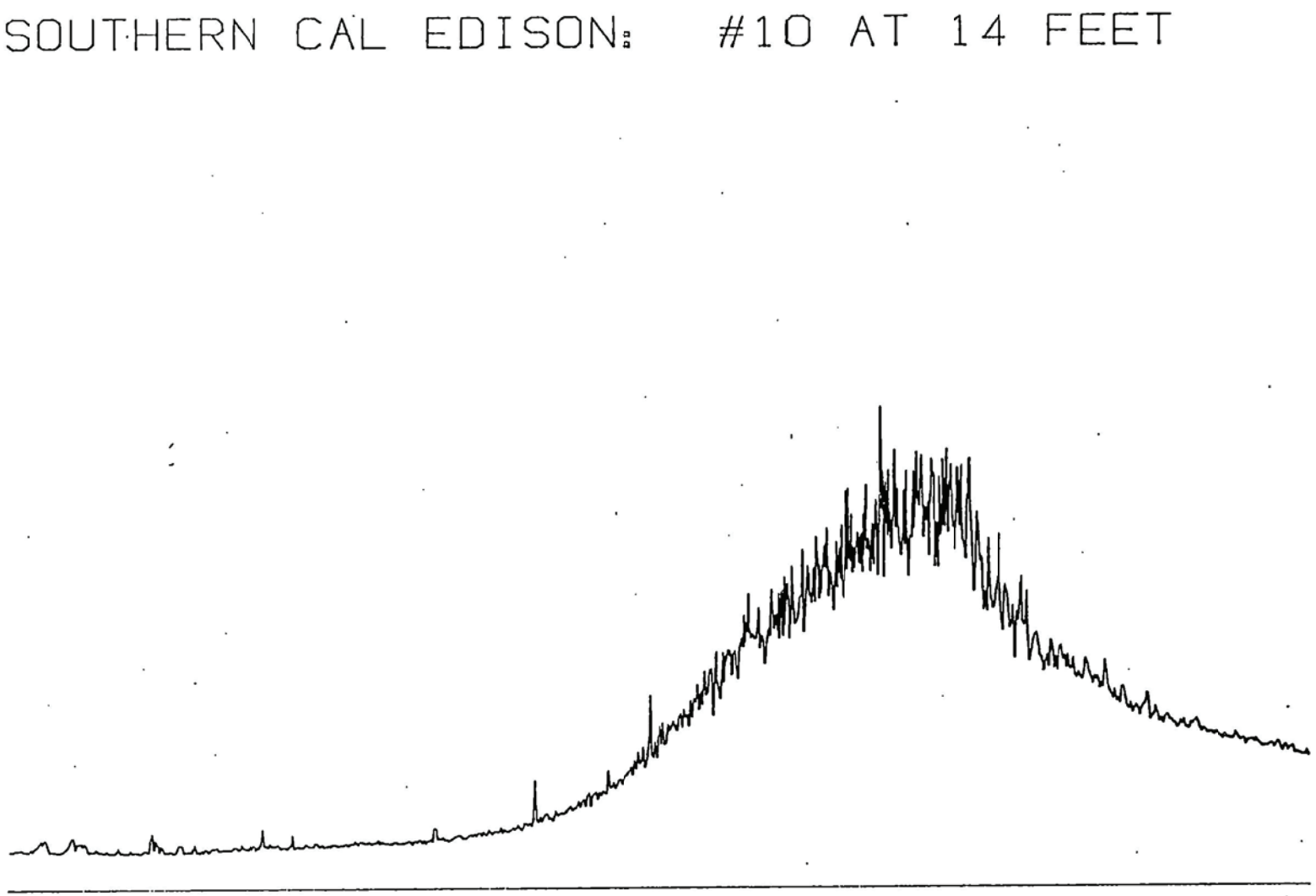


Figure 4: Gas Chromatographic trace of the saturate fraction of 2870-3.

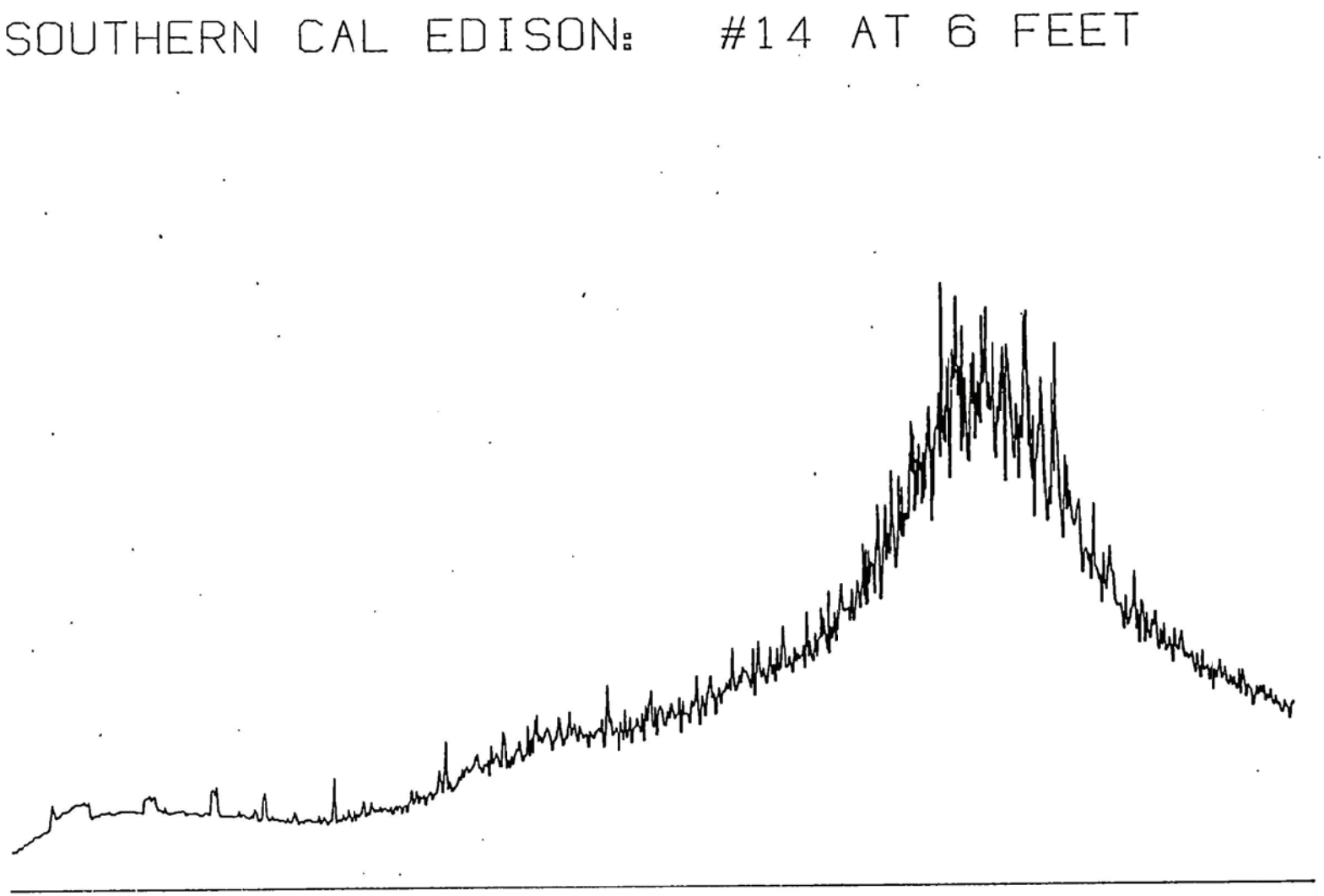


Figure 5: Gas Chromatographic trace of the saturate fraction of sample 2870-4.

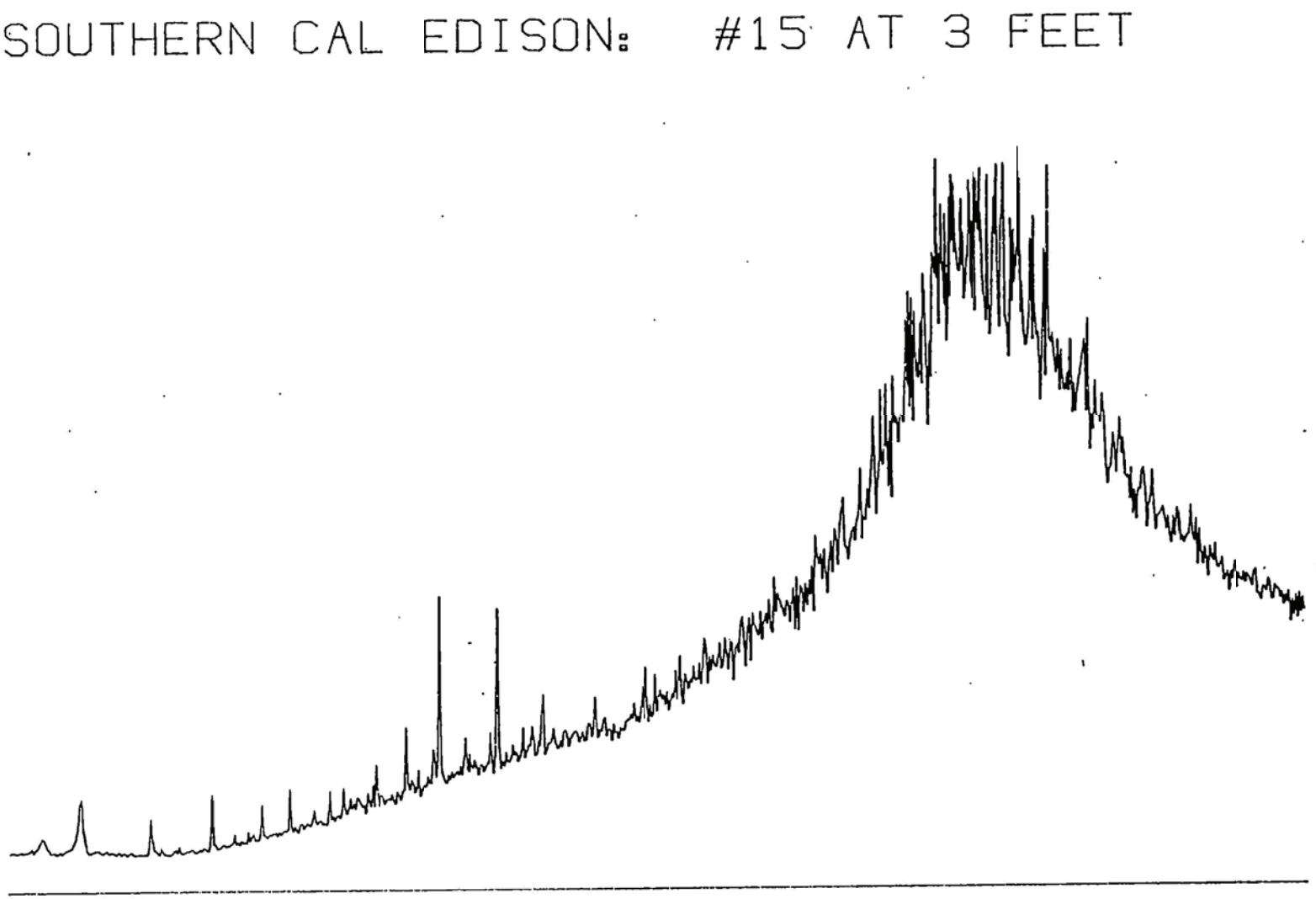


Figure 6: Gas Chromatographic trace of the saturate fraction of sample 2870-5.

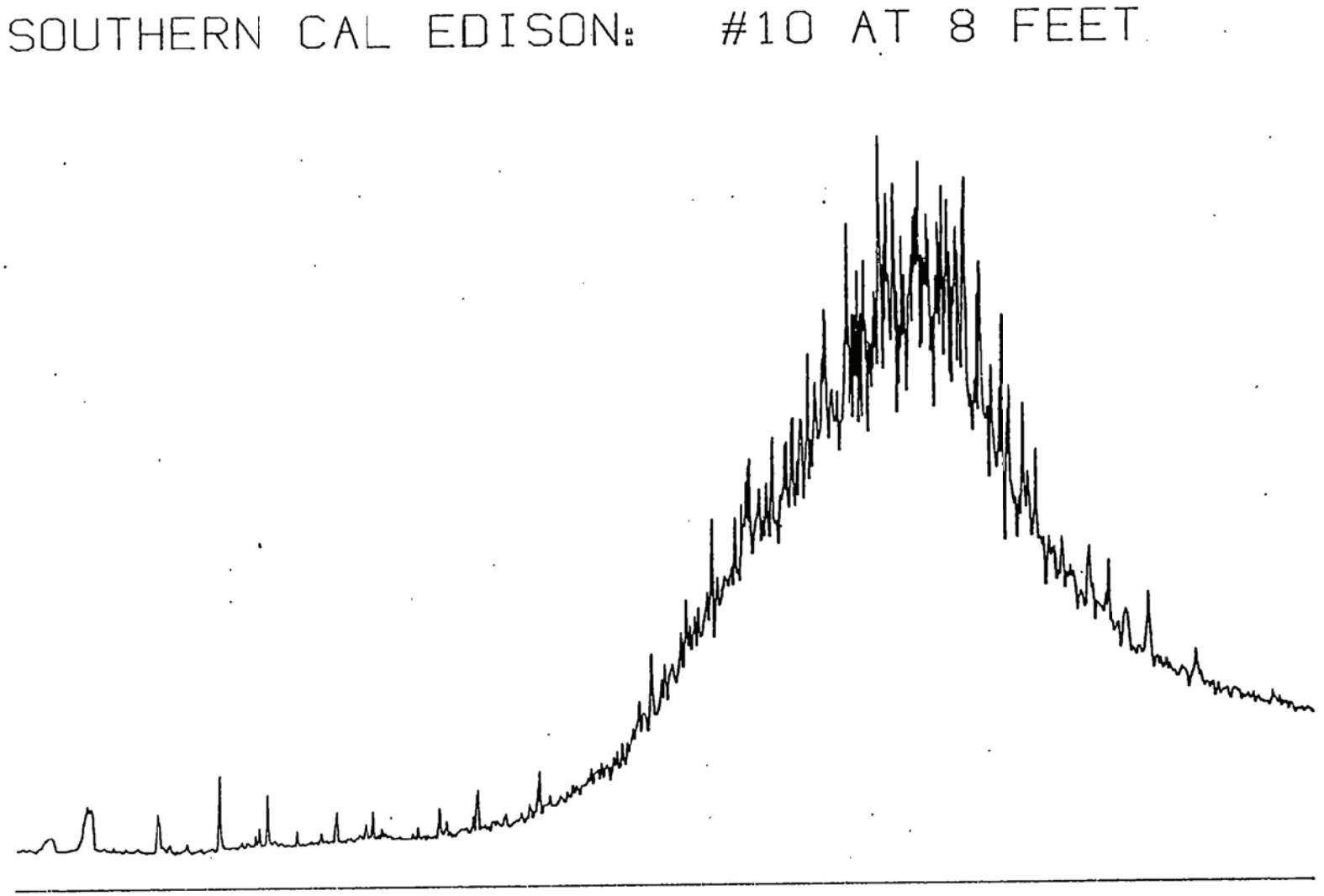


Figure 7: Gas Chromatographic trace of saturate fraction of sample 2870-6.

TAMCO CREEK OUTLET

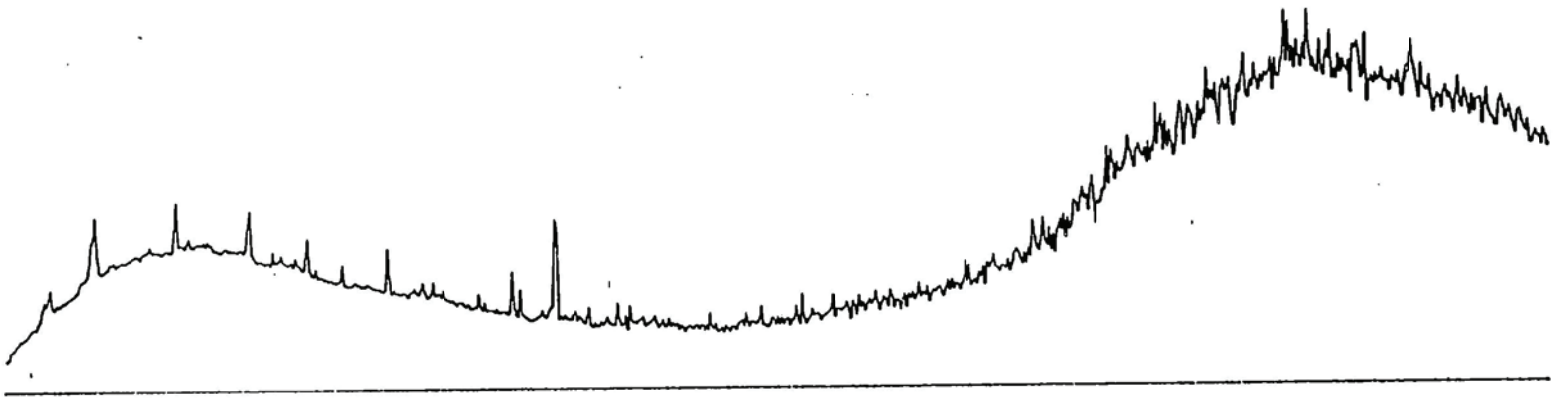


Figure 8: Gas Chromatographic trace of saturate fraction of sample 2870-7.

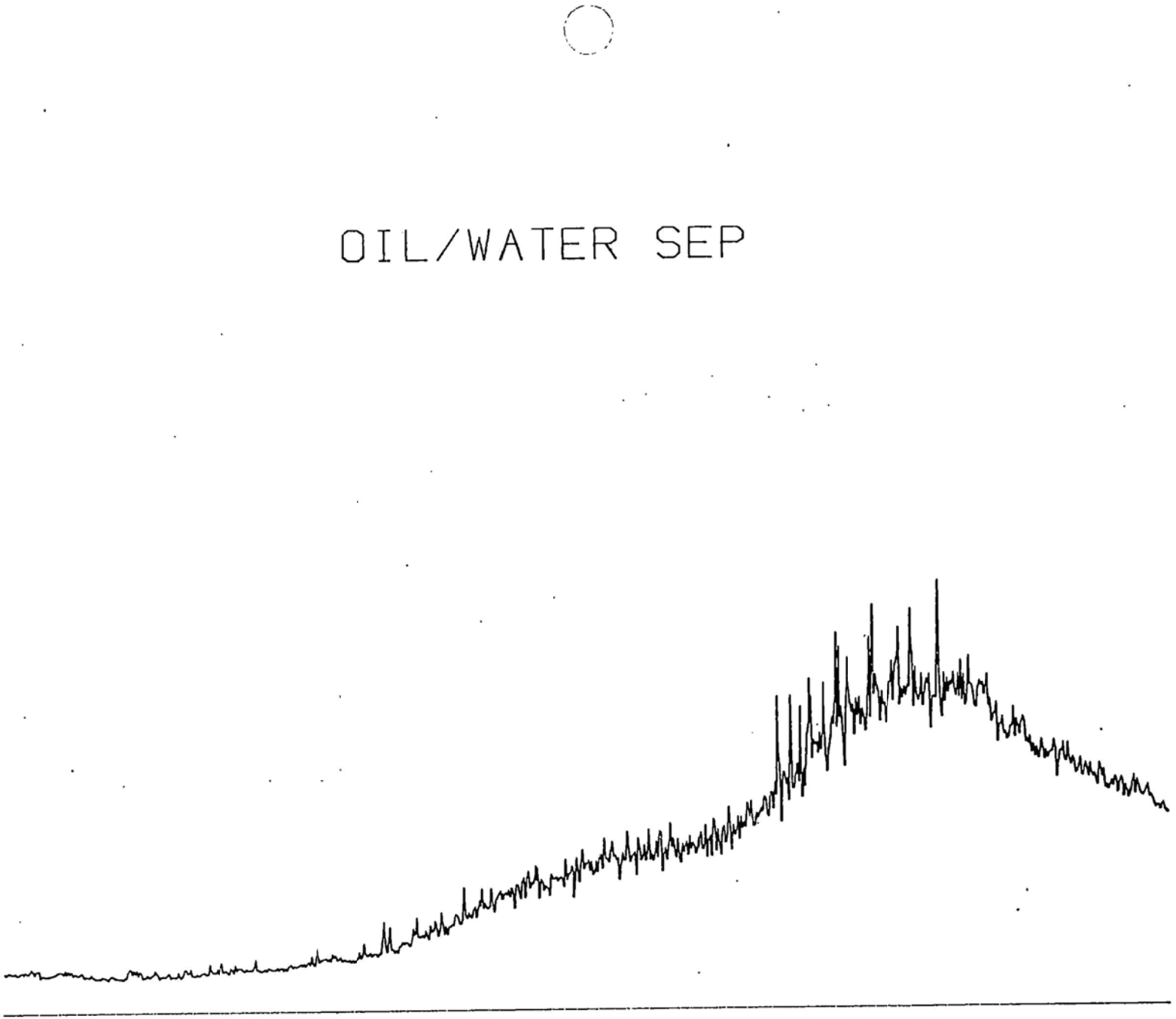


Figure 9: Gas Chromatographic trace of saturate fraction of sample 2870-8.

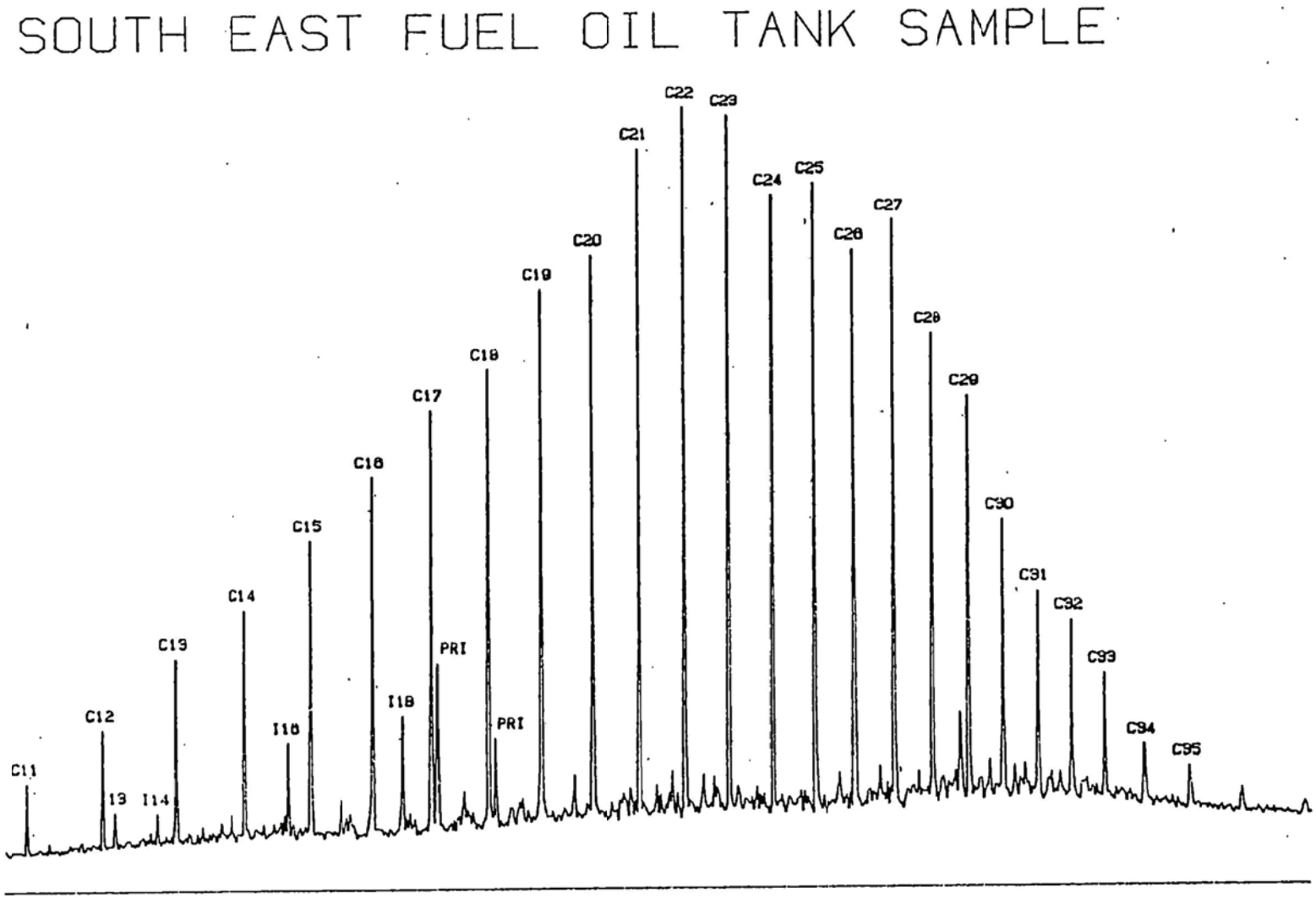


Figure 10: Gas Chromatographic trace of saturate fraction of sample 2870-9.

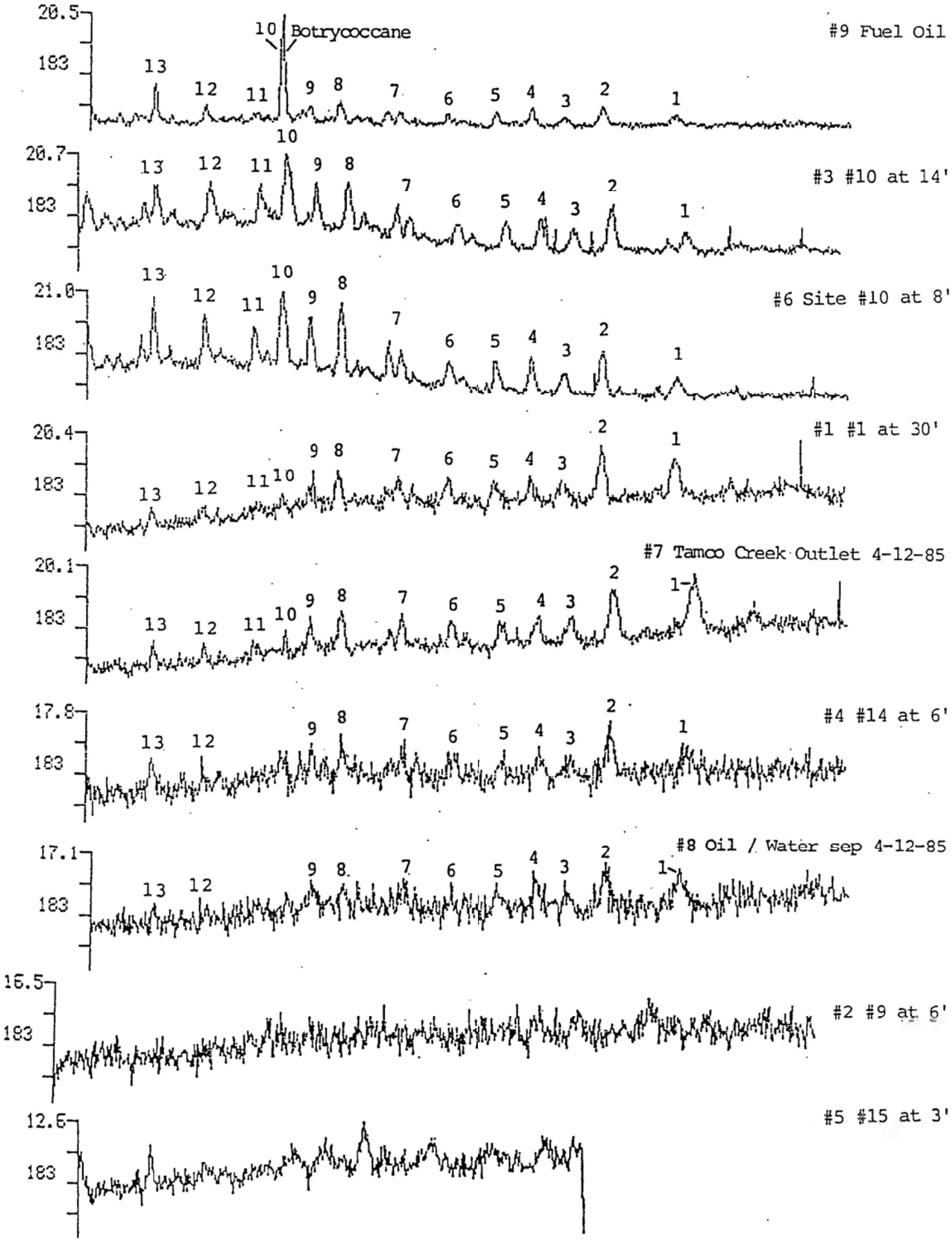


Figure 11: Distribution of high molecular weight isoprenoids (m/z 183 mass chromatogram)

Legend for selected steranes identified in Figure 12 & 13

A 13β,17α - diacholestane 20S
B 13β,17α - diacholestane 20R
C 24 - ethyl - 13β,17α diacholestane
D 24 - methyl - 5α,14α,17α cholestane (20R)
E 24 - ethyl - 5,α14α,17α cholestane (20S)
F 24 - ethyl - 14β,17β cholestane (20R + 20S)
G 24 - ethyl - 5α,14α,17α cholestane (20R)

Legend for selected terpanes identified in Figure 14 & 15

1 C_{28} extended tricyclics (doublet)
2 C_{29} extended tricyclics (doublet)
3 17α (H) - 22,29,30 trisnorhopane
4
5
6 17α (H),21β (H) norhopane
7 18α (H) oleanane
8 17 (H),21β (H) hopane
9 C_{31} extended hopane (22S + 22R)

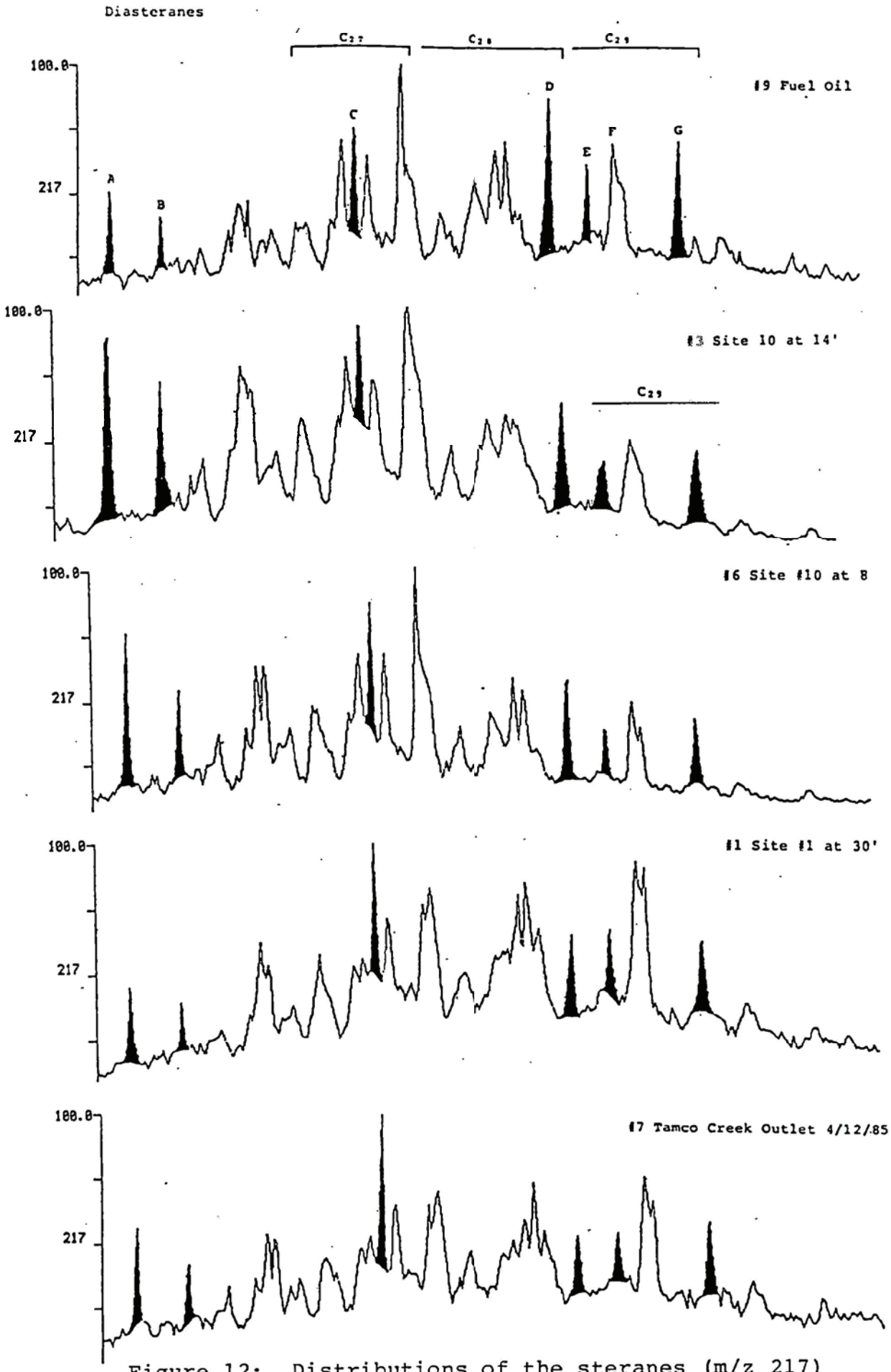


Figure 12: Distributions of the steranes (m/z 217) for samples 2870-9,-6,-3,-1,-7.

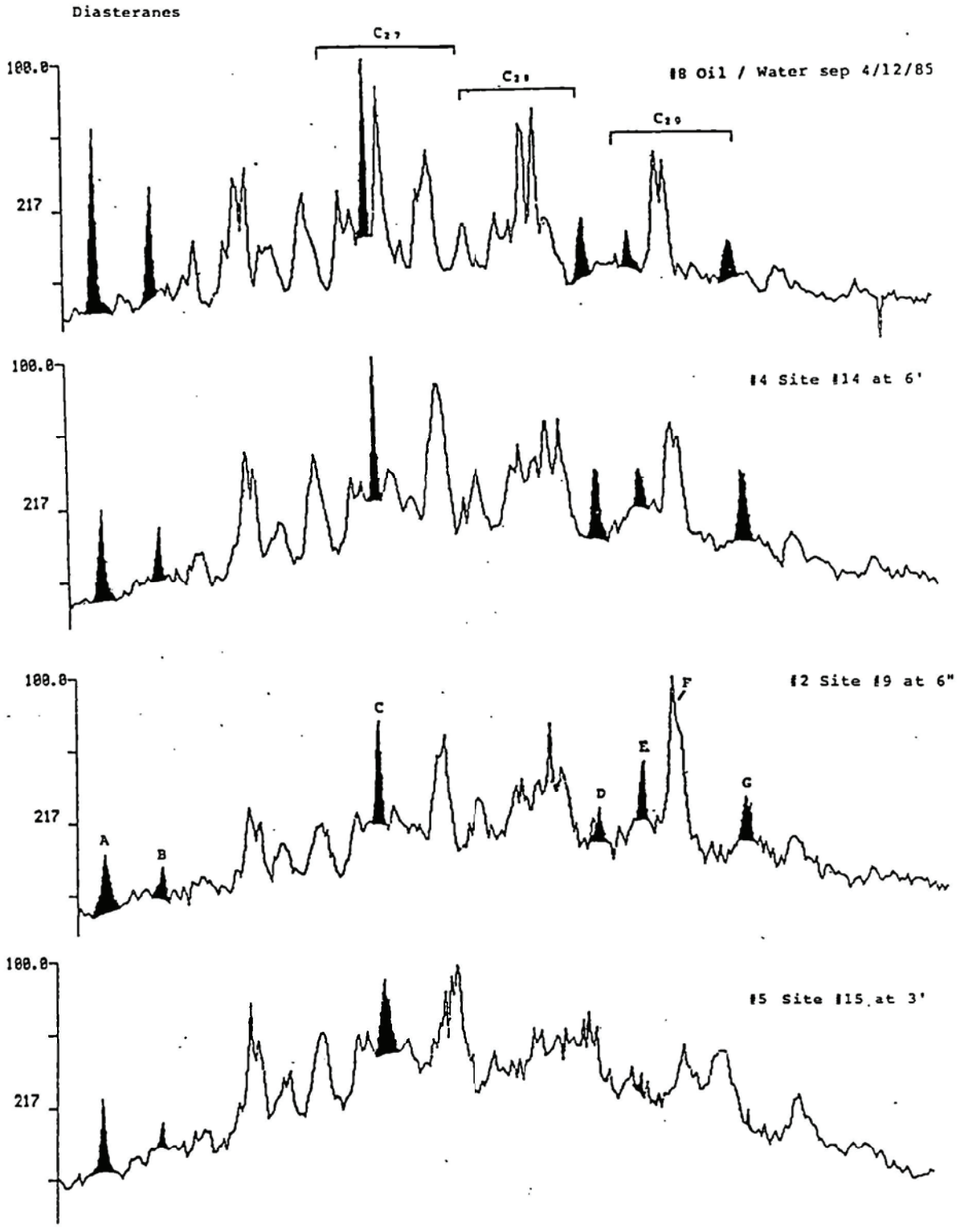


Figure 13: Distributions of the steranes (m/z 217) for samples 2870-8,-4,-2,-5.

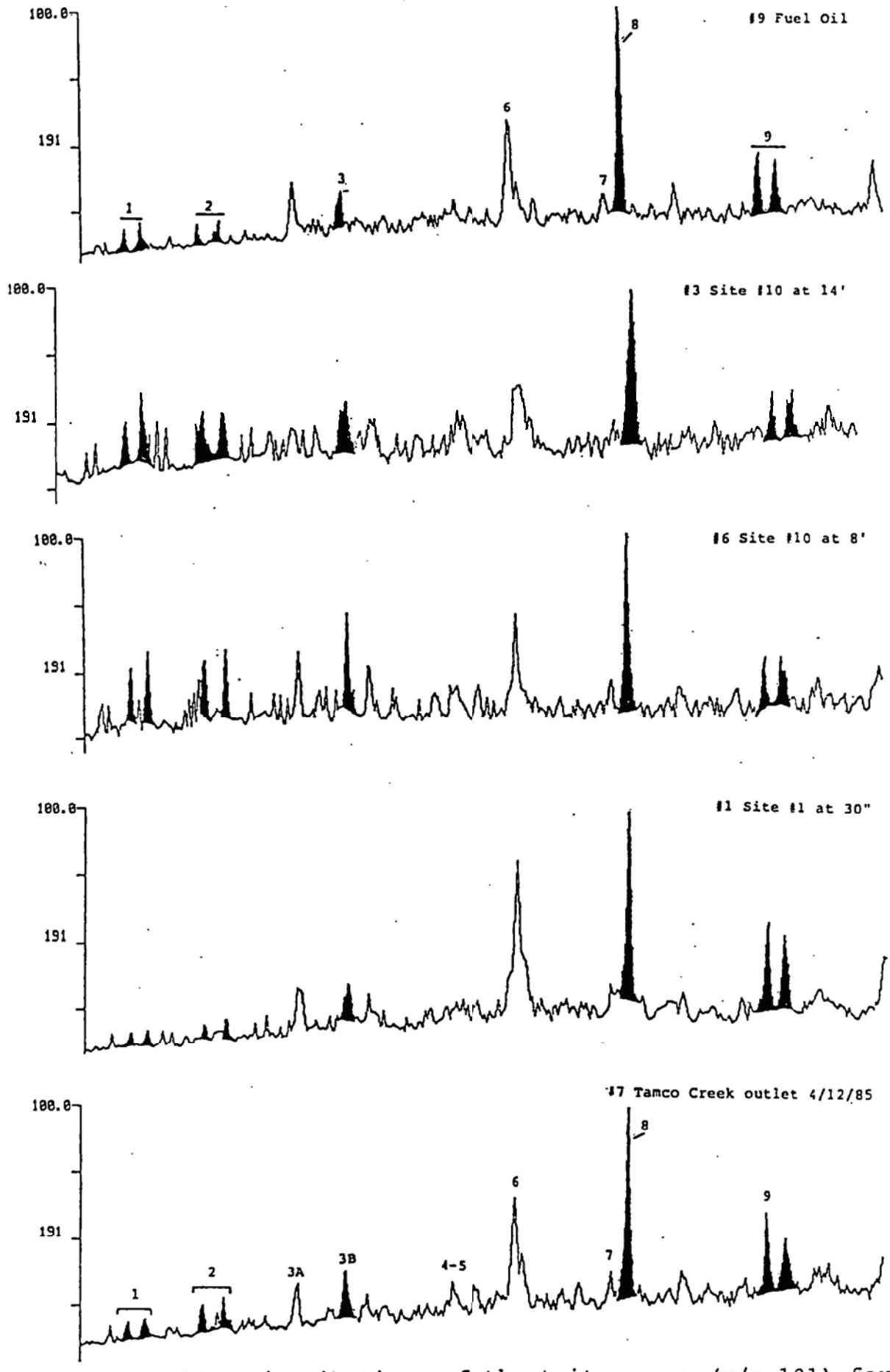


Figure 14: Distributions of the triterpanes (m/z 191) for samples 2870-9,-3,-6,-1,-7.

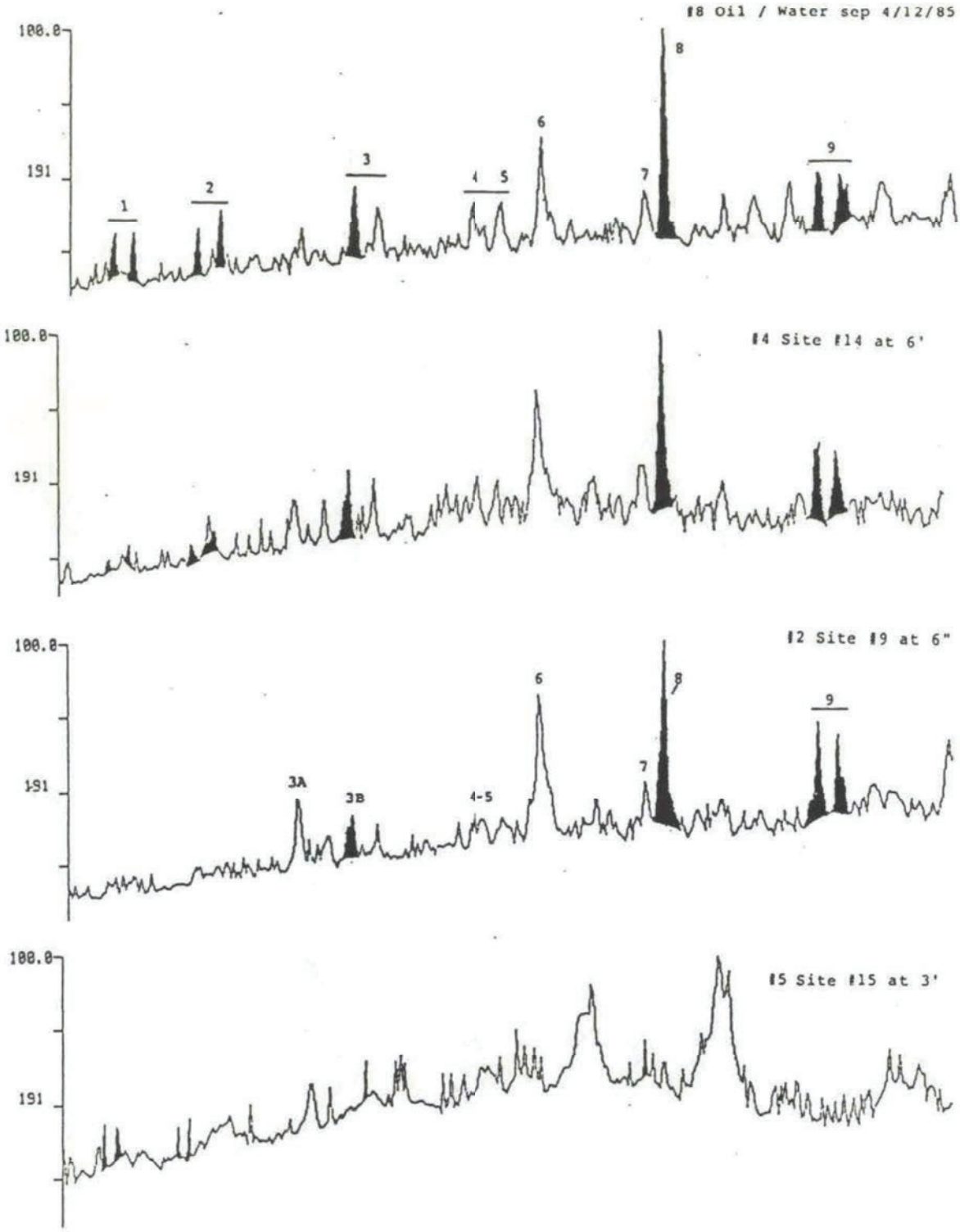


Figure 15: Distributions of the triterpanes (m/z 191) for samples 2870-8,-5,-4,-2.

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION
6809 INDIANA AVENUE, SUITE 200
VERSIDE, CALIFORNIA 92506
ONE: (714) 782-4130

GEORGE DEUKMEJIAN, Governor

RECEIVED
FEB 2 1 1997
GERAGHTY & MILLER

July 22, 1987

Mr. Edward J. Faeder, Ph.D.
Manager of Environmental Operations
Southern California Edison Company
P.O. Box 800
2244 Walnut Grove Avenue
Rosemead, CA 91770

Attention: Mr. Bob Goodson

REMEDIAL ACTION AT ETIWANDA GENERATING STATION

Dear Mr. Faeder:

Board staff has reviewed your Site Characterization study for the Etiwanda Generating Station (EGS). The study addressed the chemical composition and extent of contamination of the soil in the drainage channel and spreading basin on EGS property. Based on the site characterization you submitted, water quality has not been deleteriously affected or threatened at the Etiwanda Generating Station. Therefore, further remedial action at the site will not be required.

If you should have any questions, please contact either me or Myron Eng of our Industrial Surveillance Section.

Sincerely,

Gary M. Litton, Chief
Industrial Surveillance Section

cc: Steve Van Stockum, San Bernardino County Environmental Health Services

ME:djb

July 28, 1987

M. L. Varvis

Subject: Etiwanda Generating Station -- Remedial Action Decision

Edison submitted a site characterization report to the California Regional Water Quality Control Board, Santa Ana Region (Regional Board) and San Bernardino County Environmental Health (County Health) on August 29, 1986. The report provided a detailed evaluation of soil contamination found in Etiwanda's surface drainage system after the March 3, 1985 spill from Tamco. The report concluded the following: 1) soil contamination is petroleum hydrocarbon in nature; 2) contamination is confined to the top five feet of soil in the drainage system; 3) the contamination appears to have resulted from multiple releases over time; and 4) groundwater is not contaminated.

The Regional Board reviewed the report and formally responded with their conclusion on July 22, 1987. The Regional Board's conclusion is that no further remedial action is required. Their conclusion is based on the finding that water quality is not affected or threatened. Before issuing their determination, the Regional Board consulted with County Health. The County agreed with the the Regional Board conclusion. A copy of the July 22 Regional Board letter is attached for your reference

The Regional Board's decision leaves the need for any future drainage system modification to the discretion of Edison. There is no obligation to consult with the agencies if action is taken. The only significant long term need will be to monitor, document, and report any future spills from Tamco.

Please contact me at PAX 21831 if you have any question or comments regarding the Regional Board decision or if you consider any future action associated with this subject.

R. M. Goodson

attachment

cc:
C. B. Alcaino
R. A. Cavallo
C. L. Buril
P. K. Engel
C. A. Karns
A. M. Lawlor
R. J. Lugo
R. V. D. Reid

Southern California Edison Company
P. O. BOX 800
2244 WALNUT GROVE AVENUE
ROSEMEAD, CALIFORNIA 91770

GLENN J. BJORKLUND
VICE PRESIDENT

TELEPHONE
818-302-4173

August 6, 1987

Mr. Dwight Jerlow
President
TAMCO
P.O. Box 325
Etiwanda, California 91739

Subject: Etiwanda Generating Station -- Remedial Action Decision

The Southern California Edison Company submitted a site characterization report to the California Regional Water Quality Control Board, Santa Ana Region (Regional Board) on August 29, 1986. The report detailed the chemical nature and extent of contamination on Etiwanda Generating Station property after the March 3, 1985 wastewater release from TAMCO.

After review, the Regional Board concluded that no further remediation is required. The Regional Board staff confirmed that the San Bernardino County Environmental Health Services agrees with the decision. A copy of the Regional Board letter is enclosed for your reference.

We are very pleased with the Regional Board's decision that no clean-up will be required. We also want to express our appreciation for the efforts you have taken to prevent releases onto Etiwanda Generating Station property.

Sincerely,

Glenn J. Bjorklund

enclosure

cc: M. R. Peevey

DANIEL E. LUNGREN
Attorney General

State of California
DEPARTMENT OF JUSTICE

300 SOUTH SPRING STREET, SUITE 5212
LOS ANGELES, CA 90013
(213) 897-2000

FACSIMILE:(213) 897-2802
(213) 897-2614

February 3, 1995

RECEIVED
FEB 6 1995
Law Department

Dawn Wilson, Esq.
Southern California Edison Company
Law Department
P.O. Box 800
2244 Walnut Grove Avenue
Rosemead, California 91770

RE: Edison Consent Agreement

Dear Ms. Wilson:

Enclosed for your files is a fully executed copy of the Judgment which has been signed by Judge O'Brien. Thank you for your assistance.

Sincerely,

DANIEL E. LUNGREN
Attorney General

PEARL LATTAKER
Deputy Attorney General

cc: Bonnie Wolstoncroft
Sharon Fair
Rich Hubbell

DANIEL E. LUNGREN, Attorney General
RODERICK E. WALSTON
Chief Assistant Attorney General
THEODORA BERGER
Assistant Attorney General
PEARL LATTAKER #74680
Deputy Attorney General
California Department of Justice
300 South Spring Street, 11th Floor North
Los Angeles, California 90013
Telephone: (213) 897-2614

Attorneys for Plaintiff People of the State of California

SUPERIOR COURT OF THE STATE OF CALIFORNIA

FOR THE COUNTY OF LOS ANGELES

PEOPLE OF THE STATE OF CALIFORNIA, ex rel. William F. Soo Hoo, Director of the Department of Toxic Substances Control of the State of California, Plaintiff v. SOUTHERN CALIFORNIA EDISON CO., a California corporation, DOES 1 through 20, inclusive, Defendants.	No. COMPLAINT FOR CIVIL PENALTIES, INJUNCTIVE RELIEF, AND RECOVERY OF COSTS OF INVESTIGATION FOR VIOLATIONS OF HAZARDOUS WASTE LAWS

Plaintiff People of the State of California, upon the relation of William F. Soo Hoo, Director of the Department of Toxic Substances Control of the State of California, allege as follows:

PLAINTIFF

1. William F. Soo Hoo is the Director of the Department of Toxic Substances Control of the State of California (hereinafter the "Department"). The Department is the state agency responsible for the administration of the Hazardous Waste

Control Law, chapter 6.5 of division 20 of the California Health and Safety Code, § 25100 et seq.

2. Pursuant to §§ 25181 and 25182 of the California Health and Safety Code, the Attorney General of the State of California is authorized, at the request of the Department, to commence a civil action for injunctive relief and civil penalties under the Hazardous Waste Control Law in the name of the People of the State of California.

DEFENDANT

3. Defendant SOUTHERN CALIFORNIA EDISON COMPANY (hereinafter "Edison") is, and at all times relevant herein was, a public utility organized under the laws of California and serving the Los Angeles area.

4. At all times relevant herein, Edison operated power generating stations in the State of California, County of Los Angeles. As part of its operations in this State, defendant Edison generated, treated, stored and disposed of hazardous waste in Los Angeles County.

5. The true names and capacities, whether individual, corporate or otherwise, of defendants DOES 1 through 20 are unknown to plaintiff, who therefore sues such defendants by such fictitious names. When ascertained, plaintiff will amend this complaint to show the true names and capacities of such DOE defendants. Plaintiff is informed and believes, and based thereon alleges, that each of the defendants designated as a DOE is legally responsible in some manner for the acts and events alleged in this complaint.

JURISDICTION AND VENUE

6. This court has jurisdiction pursuant to Article VI, Section 10 of the California Constitution and California Health and Safety Code § 25181. Venue is proper is this county pursuant to Health and Safety Code § 25183 because the treatment, storage and disposal of hazardous wastes by defendant Edison occurred in this county.

STATEMENT OF THE CASE

7. The Department, in the name of the People of the State of California, seeks civil penalties, preliminary and permanent injunctive relief, and the recovery of investigative costs pursuant to Health and Safety Code §§ 25181, 25182, 25184, 25189 and 25189.2 for violations of the Hazardous Waste Control Law, which law governs the generation and proper handling of hazardous waste and the operation of hazardous waste treatment, storage and disposal facilities in the State of California.

GENERAL ALLEGATIONS

8. At all relevant times, defendant Edison operated the following generating stations:

NAME	ADDRESS	EPA ID No.
1.Alamitos	690 N. Studebaker Long Beach 90802	CAD009694795
2.Cool Water	37072 E. Santa Fe Daggett 92327	CAD00630905
3.El Segundo	301 Vista Del Mar El Segundo 90245	CAD000630962
4.Etiwanda	8996 Etiwanda Ave Etiwanda 91739	CAD070548574

5.Huntington Beach	21730 Newland St Huntington Beach 92646	CAD00631085
6.Highgrove	12700 Taylor St Colton 92324	CAD000631028
7.Long Beach	2665 W.Seaside Bl Long Beach 90813	CAD000631143
8.Mandalay	393 N. Harbor Bl Oxnard 93030	CAD000630913
9.Ormond Beach	6635 S. Edison Dr Oxnard 93033	CAD000637036
10.Redondo Beach	1100 Harbor Dr. Redondo Beach 90277	CAD000631093
11.San Bernardino	25770 San Bernardino Ave. San Bernardino 92408	CAD000631150

In the course of operating these stations, defendant Edison generated, treated, stored, and disposed of "hazardous wastes," as that term is defined under the provisions of Health and Safety Code § 25117.

9. Representatives of the Department conducted inspections and requested information in order to determine if defendant Edison was in compliance with the Hazardous Waste Control Law and the regulations promulgated by the Department under the authority of that law. The Department determined that defendant Edison was in violation of certain provisions of the Hazardous Waste Control Law, as set forth below. The Department provided written notice of these violations to defendant Edison

by a Report of Violation dated September 23, 1993.

10. Health and Safety Code § 25181 provides that when the Department determines that any person has engaged in practices which constitute a violation of any provision of the Hazardous Waste Control Law, or any rule, regulation, permit, covenant, standard, requirement, or order issued, promulgated or executed thereunder, and when requested by the Department, the Attorney General may make application to the superior court for an order enjoining such acts and practices, or for an order directing compliance, and upon a showing by the Department that such person has engaged in or is about to engage in any such acts or practices, a permanent or temporary injunction, restraining order, or other order may be granted.

11. The Department has determined that defendant Edison has engaged in, and unless enjoined and restrained by this court will continue to engage in, acts and practices which constitute violations of the Hazardous Waste Control Law and the regulations issued or promulgated thereunder, as more fully set forth below.

12. The Department has requested the Attorney General to apply to the superior court for a preliminary and permanent injunction enjoining defendant Edison from continuing the violations of the Hazardous Waste Control Law and of the regulations promulgated thereunder which are set forth below and for civil penalties based on those repeated and continuing violations.

13. Health and Safety Code § 25184 provides that in

any civil action brought pursuant to the Hazardous Waste Control Law in which a temporary restraining order, preliminary injunction or permanent injunction is sought, it shall not be necessary to allege or prove at any stage of the proceeding that irreparable damage will occur should the temporary restraining order, preliminary injunction or permanent injunction not be issued or that the remedy at law is inadequate. Health & Safety Code § 25184 further provides that the temporary restraining order, preliminary injunction or permanent injunction shall issue without such allegations and without such proof.

14. Plaintiffs are entitled to a preliminary injunction and permanent injunction enjoining defendant Edison from further violations of the Hazardous Waste Control Law and of the rules, regulations, permits, covenants, standards, requirements and orders issued, promulgated and executed thereunder.

15. Health and Safety Code § 25189(b) provides that any person who intentionally or negligently violates any provision of the Hazardous Waste Control Law, or any permit, rule, regulation, standard, or requirement issued or promulgated pursuant to that law, shall be liable for a civil penalty not to exceed twenty-five thousand dollars ($25,000) for each violation of a separate provision or, for continuing violations, for each day that violation continues.

16. Health & Safety Code § 25189.2 imposes civil penalties for non-negligent, non-intentional violations of the Hazardous Waste Control Law and its regulations.

FIRST CAUSE OF ACTION

17. Plaintiff incorporates paragraphs 1 through 16 above as though fully set forth herein.

18. Health and Safety Code § 25201(a) provides that no operator of a storage facility, treatment facility, waste transfer station, resource recovery facility or waste disposal site shall accept, treat, store, or dispose of a hazardous waste at the facility or site unless the operator holds a hazardous waste facility permit or other grant of authorization from the Department to use and operate the facility or site.

19. Defendant violated Health & Safety Code § 25201(a) in that since November 19, 1985 it has stored and treated hazardous waste at Alamitos, El Segundo, Etiwanda, Highgrove, Huntington beach, Long Beach, Mandalay, Ormond Beach, Redondo Beach, and San Bernardino Generating Stations without having obtained a hazardous waste facility permit or other grant of authorization from the Department.

SECOND CAUSE OF ACTION

20. Plaintiff incorporates paragraphs 1 through 19 above as though fully set forth herein.

21. Title 22 California Code of Regulations ("CCR") §66265.91 requires that owners and operators such as Edison conduct monitoring and response programs for each regulated unit at its facilities.

22. Defendant violated Title 22, CCR § 66265.91 by failing to implement and maintain ground water monitoring and response programs for certain retention basins located at the

Alamitos, El Segundo, Etiwanda, Highgrove, Huntington Beach, Mandalay, Long Beach, Ormond Beach, Redondo Beach, and San Bernardino Generating Stations.

THIRD CAUSE OF ACTION

23. Plaintiff incorporates paragraphs 1 through 22 above as though fully set forth herein.

24. Title 22 CCR § 66265.221(a) requires the owner or operator of a surface impoundment to install two or more liners and a leachate collection system in each unit.

25. Defendant Edison violated Title 22, California Code of Regulations §66265.221(a) in that since January 1, 1989, it failed to install two or more liners and a leachate collection system in retention basins located at Alamitos, El Segundo, Etiwanda, Highgrove, Huntington Beach, Long Beach, Mandalay, Ormond Beach, Redondo Beach and San Bernardino generating stations.

FOURTH CAUSE OF ACTION

26. Plaintiff incorporates paragraphs 1 through 25 above as though fully set forth herein.

27. Title 22, CCR § 66265.13(a)(1) provides that before an owner or operator transfers, treats, stores, or disposes of any hazardous waste, the owner or operator shall obtain a detailed chemical and physical analysis of a representative sample of the waste.

28. Defendant Edison violated Title 22 CCR §66265.13(a)(1) in that since November 19, 1980, it failed to determine if certain waste generated at Alamitos, Cool water, El

Segundo, Etiwanda, Highgrove, Huntington Beach, Long Beach, Mandalay, Ormond Beach, Redondo Beach and San Bernardino generating stations is hazardous.

FIFTH CAUSE OF ACTION

29. Plaintiff incorporates paragraphs 1 through 28 above as though fully set forth herein.

30. Title 22, CCR 66265.191(a) provides that for each tank system which was in existence on or before July 4, 1986, that does not have secondary containment ..., the owner or operator shall determine that the tank system is not leaking or unfit for use.

31. Defendant Edison violated Title 22, CCR §66265.191(a) in that since July 1, 1992 it has failed to conduct tank integrity tests for sumps located at Alamitos, Cool Water, El Segundo, Etiwanda, Highgrove, Huntington Beach, Ormond Beach, and Redondo Beach generating stations.

PRAYER FOR RELIEF

WHEREFORE, plaintiff People of the State of California prays that the Court:

A. Grant civil penalties according to proof;

B. Grant a preliminary and permanent injunction enjoining defendant Edison from any further violations of the Hazardous Waste Control Law and of the rules, regulations, permits, covenants, standards, requirements and orders issued, promulgated and executed thereunder;

C. Grant the Department its costs of investigating whether defendant Edison was operating its hazardous waste

facilities in compliance with the State's hazardous waste laws and regulations;

D. Grant plaintiff its costs of suit herein; and

E. Grant such other and further relief as the Court deems just and proper.

DATED: 2/14/7—

DANIEL E. LUNGREN, Attorney General
of the State of California
RODERICK E. WALSTON,
Chief Assistant Attorney General
THEODORA BERGER
Assistant Attorney General
PEARL LATTAKER
Deputy Attorney General
California Department of Justice

By _____
PEARL LATTAKER
Deputy Attorney General

Attorneys for Plaintiff People of the State of California

Judge's Signature

DANIEL E. LUNGREN, Attorney General
of the State of California
THEODORA BERGER
Assistant Attorney General
PEARL LATTAKER- State Bar # 74680
Deputy Attorney General
300 South Spring Street, 11th Floor North
Los Angeles, California 90013
Telephone: (213) 897-2614

Lodged Dept. of Judge O'Brien

FEB 01 1995

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FEB X1 1995

LOS ANGELES SUPERIOR COURT

Attorney for Plaintiffs

SUPERIOR COURT OF THE STATE OF CALIFORNIA

FOR THE COUNTY OF LOS ANGELES

PEOPLE OF THE STATE OF CALIFORNIA, ex rel. William Soo Hoo, Director, California Department of Toxic Substances Control,

Plaintiffs,

v.

SOUTHERN CALIFORNIA EDISON

Defendant.

No. BC 121219

FINAL JUDGMENT PURSUANT TO STIPULATION

Judgment is hereby entered in the above captioned case pursuant to the following terms as stipulated by the parties:

I. Introduction

On or about February 1, 1995, the People of the State of California ex rel. William Soo Hoo, Director, State Department of Toxic Substances Control ("Department") filed a Complaint ("Complaint") in the Superior Court for the County of Los Angeles pursuant to § 25187 of the California Health and Safety Code against Southern California Edison (hereinafter " Edison")

alleging violations of the Health and Safety Code at its Alamitos, Cool Water, El Segundo, Etiwanda, Huntington Beach, Highgrove, Long Beach, Mandalay, Ormond Beach, Redondo Beach, San Bernardino generating stations ("facilities"). The Department and Edison now stipulate to judgment on the terms set forth in this Final Judgment Pursuant to Stipulation ("Stipulation"). The effective date of this Stipulation shall be the date on which it is signed by the Department. All further proceedings in this case, including the filing of an answer by Edison, are stayed during the pendency of this Stipulation.

II. Complaint

The Complaint in this case (attached hereto as Exhibit A) alleges that Edison violated provisions of the Hazardous Waste Control Law ("HWCL"), Cal. Health and Safety Code §§25100 et seq. and the regulations thereunder, California Code of Regulations, Title 22, Division 4 ("Title 22"), with respect to its hazardous waste operations at the facilities named above, and requests certain corrective action.

III. Jurisdiction

The Department and Edison agree that the Los Angeles Superior Court has subject matter jurisdiction over the matters alleged in the Complaint and personal jurisdiction over the parties to this Stipulation.

IV. Settlement of Disputed Claim

The parties enter into this Stipulation pursuant to a compromise and settlement of disputed claims for the purpose of avoiding prolonged and complicated litigation and furthering the

public interest. For the purposes of this Stipulation, Edison admits none of the allegations of the Complaint, except for the limited purposes of any subsequent action brought by the Department pursuant to the Hazardous Waste Control Act, Health & Safety Code §§25100 et seq., within 5 years of the date of the Complaint, Edison admits the allegations of the Complaint.

V. Waiver of Hearing

By signing this Stipulation, Edison waives its right to a hearing on the allegations of the Complaint.

VI. Settlement Amount

Edison agrees to pay the Department a total of $950,000.00 in civil penalties and reimburse the Department's administrative costs in the amount of $300,000.00 within 30 days of the effective date of this Stipulation. Payment shall be delivered to: Cashier, DTSC Accounting, Department of Toxic Substances Control, P. O. Box 806, Sacramento, California 95812-0806. Copies of all checks shall be sent to:

Chief
Statewide Compliance Division
Department of Toxic Substances Control
Region 4
245 West Broadway
Suite 425
Long Beach, California 90802

Pearl Lattaker
Deputy Attorney General
300 S. Spring Street
11th Floor North
Los Angeles, California
90013

FUNDING OF ENVIRONMENTAL PROJECTS: Edison agrees to fund five environmental projects: PETE, SPECTRA, Compliance School, bill stuffers and the Western States Hazardous Waste Project as set forth below. Edison shall contribute $700,000.00 to fund these projects. If Edison fails to fund any of these projects, then Edison shall contribute any unused funds to alternate

projects mutually agreed upon by the Department and Edison.

A. (PETE): Within 30 days of the effective date of this Stipulation, Edison shall contribute $100,000.00 to the Partnership for Environmental Technology Education (PETE) for the purpose of promoting science education at the community college level by funding equipment acquisition and commencement of degree programs for environmental professionals. Payment shall be made in two separate checks of $50,000.00 each and specifically designated for the above uses by Rio Hondo College and El Camino College, Los Angeles, California. Payments shall be mailed to:

Western Partnership for Environmental Technology Education
2150 River Plaza Drive, Suite 170
Sacramento, CA 95833

B. (SPECTRA): Within 30 days after the Department notifies Edison of the effective date of SPECTRA implementation, Edison shall contribute $316,800.00 toward marketing and distribution of the Department's SPECTRA software. The $316,800.00 shall be apportioned as set forth below:

1. $50,000.00 for a marketing study. The $50,000.00 allotted for marketing shall be used to increase an existing SPECTRA marketing study contract with Sacramento State University. Payment for this project shall be made to the manager of contracts at Sacramento State University.

2. $266,800.00 for a user's station and subsidy account for the purchase of SPECTRA by Edison rate payers. Edison shall establish a dedicated SPECTRA account to subsidize part or all of the purchase of SPECTRA software. Edison shall establish a SPECTRA user's station at the Edison Irwindale

facility.

3. Within 60 days after the Department notifies Edison of the effective date of SPECTRA implementation, Edison shall submit for Department review and approval a procedure for establishing and utilizing the SPECTRA users's station at the Edison Irwindale CTAC facility. The user's station shall be operational within 30 days of the Department's approval of the procedure. The procedure shall also include an accounting which demonstrates that the cost of establishing the user's station is at least $40,000.00. If the cost of establishing the user's station is less than $40,000.00, then the difference shall be added to the SPECTRA subsidy account.

4. Edison and the Department shall jointly develop a strategy for utilizing the subsidy account. Within 60 days of the Department's notification to Edison of the implementation of SPECTRA, Edison shall submit procedures for implementing the subsidy account to Don Johnson, Chief, Program Coordination and Policy Development Branch, Department of Toxic Substances Control, 400 P Street, P.O. Box 806, Sacramento, CA 95812-0806 for review and approval. The procedures shall include, at a minimum, methods for public notification of the availability of the subsidy, the amount of money available to each user, and accounting and reimbursement to the Department for each SPECTRA unit purchased.

5. The SPECTRA account shall be available for three years, with additional one year renewals if directed by the Department or until funds are exhausted.

6. If, in the Department's judgment, the SPECTRA subsidy account funds would be better spent elsewhere, the Department may require Edison to direct the funds to the PETE program and/or Compliance School, or Edison and the Department may confer and agree on another environmental project to receive the unused funds.

C. COMPLIANCE SCHOOL: Within 30 days of the execution of this Stipulation, Edison shall contribute $200,000.00 to the Kern Community College District to support the management of Compliance School by the Environment and Safety Institute at Bakersfield College. Funds will be used for program development activities, including promotion, registration, augmenting instructional materials and instructor training, responding to public inquiries, statewide planning and program evaluation. The Compliance School curriculum, developed by Bakersfield college under contract with the Department, will provide basic hands - on training on hazardous waste management laws to hazardous waste generators and on-site treatment facilities. Expenditure and accounting of these funds will be made by the Kern Community College District pursuant to a written agreement with the Department.

1. Payment shall be made by check payable to Kern Community College District and shall be mailed by certified mail, return receipt requested to:

Ann Boyce
Bakersfield College -ESI
1801 Panorama Drive
Bakersfield, CA 93305

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A copy of the check shall be sent to:

Ann Carberry
Tiered Permitting Compliance Section
Hazardous Waste Management Program
Department of Toxic Substances Control
400 P Street
P. O. Box 806
Sacramento, CA 95812-0806

2. If Kern Community College District returns unused funds to Edison, Edison and the Department shall confer and agree on another environmental project to receive the unused funds.

D. BILL STUFFERS: Edison shall expend $60,000.00 on bill stuffers to be inserted in bills mailed to rate payers. The bill stuffers shall contain information relating to protection of public health and safety and the environment from toxic substances. The Department's Chief of Communications shall prepare text and review and approve the bill stuffers prior to mailing. Edison shall provide an accounting to the Department demonstrating that the cost of the bill stuffers is $60,000.00. The bill stuffers shall be mailed within 180 days of the effective date of this Stipulation.

E. WESTERN STATES PROJECT: Within 30 days of the effective date of this Stipulation, Edison shall pay the Department's fiscal year 1994-95 membership dues of $23,200.00 for the Western States Hazardous Waste Project. Payment shall be made to:

Western States Hazardous Waste Project
Arizona Office of the Attorney General
1275 W. Washington
Phoenix, Arizona 85007
(602) 542- 3881 FAX (602) 542-3522

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A copy of the check shall be sent to:

Chief, Statewide Compliance Division
Department of Toxic Substances Control
400 P Street
P. O. Box 806
Sacramento, CA 95812-0806

VII. Funding of Permitting Activities

Edison agrees to fund, on a Fee - For - Service basis, all permitting, closure, and other document review and approval activities required by this Stipulation. Within 60 days of the effective date of this Stipulation, Edison shall enter into a Fee - For - Service agreement with the Department for all of the permitting, closure and other document review and approval activities required under this Stipulation.

VIII. Compliance Schedule

A. As conditions of this Stipulation, Edison shall do the following with regard to the violations alleged in the Complaint:

1. Within 30 days of the effective date of this Stipulation, Edison shall submit to the Department for approval a general sampling plan to determine whether or not the following materials are hazardous wastes: air pre-heater wash water and fireside wash water. After the effective date of this Stipulation, whenever Edison performs the initial air pre - heater wash or fireside wash at any of its generating facilities, Edison shall (1) notify the Chief of Statewide Compliance Division - Region 4, 30 days in advance of the event; (2) collect and analyze representative samples of the wash waters according to the approved sampling plan; and (3) submit the results to the Department within 30 days of the sampling event.

2. Within 60 days of the effective date of this Stipulation, Edison shall submit to the Department, for review and approval, a proposal on the method of conducting integrity tests for the polishing demineralizer sumps listed in column D of Exhibit 1. Edison shall conduct integrity tests and submit a report to the Department within 90 days of the Department's approval of Edison's proposed tank integrity testing procedure. Any future re-use of the sumps depends upon the outcome of the integrity tests. If Edison intends to use the sumps for elementary neutralization, Edison shall comply with the notice requirements of the Tierred Permitting System.

3. CLOSURE OF BOILER CHEMICAL CLEANING BASINS: For each facility, Edison shall submit a report containing information and data demonstrating that there have been no releases in the past from the Boiler Chemical Cleaning Basins (BCCB's). The Department will review each report including the supporting information and data to determine whether it is adequate to demonstrate whether or not there has been a release. If existing data in the report is adequate and shows no evidence of any releases, the Department shall deem the appropriate units clean closed. The reports submitted shall provide the basis for RCRA closure of the BCCB's to satisfy the applicable provisions of Title 22 California Code of Regulations ("CCR"), Chapter 15, Article 7.

If existing data is not adequate to demonstrate whether or not there has been a release, Edison shall submit a work plan, in accordance with the schedule set forth in Exhibit 2, for

Department review and approval, to conduct additional soil sampling, as necessary, and/or installation of ground water monitoring wells and collect monitoring data before closure can be accomplished. Edison shall upgrade the ground water monitoring systems to meet the requirements of 22 CCR Chapter 15, article 6 in a timely manner. Edison shall implement the approved work plan to demonstrate whether or not there has been a release. After implementation of the approved work plan, Edison shall submit to the Department a report of the findings. The units which have been deemed clean closed may be operated so long as they handle non-RCRA hazardous waste or solid waste that does not generate a RCRA hazardous sludge.

If there is evidence of a past release to soil and /or groundwater from the BCCB's, the Department will issue a Corrective Action Order to Edison requiring that corrective action work be performed. Corrective action requires Edison to define the nature and extent of the release, evaluate the risk posed, and perform remediation to background or health-based levels. The Department will determine on a case by case basis whether or not the BCCB's can continue to be used during corrective action. If contamination cannot be remediated, the unit will be closed with waste in place and Edison shall apply for a post-closure permit.

For the purpose of this Stipulation, the Department will assume that there has been a release if the pH or heavy metal constituents that are present in the Edison waste stream are found beneath or adjacent to the BCCB's at levels exceeding the

background concentrations for the same constituents.

4. CLOSURE OF RETENTION BASINS: Edison shall conduct RCRA closure of the Retention Basins identified in Exhibit 1 of this Stipulation, in accordance with 22 CCR, Chapter 15, Article 7 closure requirements. The procedures outlined in above ¶3 of this Stipulation entitled CLOSURE OF BCCB'S shall be followed in closing the Retention Basins with the following additional requirements:

1. Since these units do not meet the minimum technology requirements specified in 22 CCR, Chapter 15, Article 11, the initial report for each facility containing the no release demonstration shall include at least one year of groundwater monitoring data from a Department approved monitoring system.

2. If the units do not have a groundwater monitoring system meeting the requirements of 22 CCR, Chapter 15, Article 6, Edison shall submit a work plan for each facility for installing such a system. Upon Department approval, Edison shall implement the plan and obtain groundwater monitoring data for a minimum of one year. If the background information, along with the groundwater monitoring data, indicates that there have been no releases from these units, the Department will proceed with granting closure for these units.

5. Within 90 days after receiving written guidance for preparing surface impoundment closure plans from the Department, Edison shall prepare and submit to the Department a complete

closure plan for the north and south retention basins, make - up demineralizer sump, polisher demineralizer sump, and boiler chemical cleaning basin located at the Alamitos Generating Station. To streamline the closure process, the Department intends to review and approve the closure plan for the Alamitos Generating Station as a model closure plan. When the Alamitos closure plan is deemed technically complete by the Department, it shall serve as the model for all other retention basin closures covered by this Stipulation. Within 60 days after the Department's determination of completeness of the Alamitos closure plan, Edison shall sequentially submit the closure plans for the remaining Edison facilities in accordance with the closure plan schedule of submittal specified in Exhibit 2. The closure plans shall comply with the closure requirements of chapter 15, Division 4.5, Title 22, CCR, including but not limited to § 66265.228.

6. Within 90 days of the effective date of this Stipulation, Edison shall submit to the Department for approval, a water quality monitoring and response program under Title 22, CCR, Chapter 15, Article 6, § 66265.90 for the units at the Alamitos Generating Station listed in rectangle C1 of Exhibit 1. To streamline the process, the Department intends to review and approve the water quality monitoring plan for the Alamitos Generating Station as a model plan. In the event that Edison receives a Notice of Deficiency ("NOD"), it shall respond to the NOD within 45 days from issuance of the NOD. A written approval will be issued when all deficiencies listed in the NOD have been

addressed. When the Alamitos plan is deemed technically complete by the Department, it shall serve as the model for all other water quality monitoring programs covered by this Stipulation. Within 120 days of the effective date of the Department's approval, Edison shall complete installation of the approved detection monitoring program at Alamitos generating station. Edison shall sequentially submit Water Quality Monitoring and Response Programs for the remaining facilities listed in column C of Exhibit 1 in accordance with the closure plan schedule of submittal specified in Exhibit 2. Within 120 days of the effective date of the Department's approval of each Water Quality Monitoring and Response Program, Edison shall complete installation of the approved detection monitoring program for each facility.

7. For all facilities listed in column C of Exhibit 1 that have groundwater monitoring systems, Edison shall submit to the Department for review and approval within 90 days of the effective date of this Stipulation, a water quality sampling and analysis plan pursuant to Title 22, §66265.91. In the event that Edison receives a Notice of Deficiency, (NOD) it shall respond to the NOD within 45 days from issuance of the NOD. A written approval will be issued by the Department when all deficiencies in the NOD have been addressed. Edison shall implement the approved water quality sampling and analysis plans during subsequent groundwater sampling events. The plans shall be self implementing. However, the Department may require changes to the plans if changes are deemed necessary to protect public health

and the environment.

8. For all facilities in column C of Exhibit 1 that do not have existing groundwater monitoring systems, Edison shall sequentially submit water quality sampling and analysis plans to the Department for review and approval. Edison shall begin sequentially submitting the plans within 90 days of completion of installation of the approved detection monitoring program. The plans shall be submitted in accordance with the schedule specified in Exhibit 2. These plans shall be submitted pursuant to Title 22 CCR §66265.91. In the event that Edison receives a Notice of Deficiency, (NOD) it shall respond to the NOD within 45 days from issuance of the NOD. A written approval will be issued by the Department when all deficiencies in the NOD have been addressed. Edison shall implement the approved water quality sampling and analysis plans during subsequent groundwater sampling events. The plans shall be self-implementing. However, the Department may require changes to the plans to protect human health and the environment.

9. A. This Stipulation shall serve as a Grant of Authorization for continuing operation of those surface impoundments which are specifically designated as the BCCB's at six Edison facilities, and which are currently used for storage of California-only (non-RCRA) hazardous wastes, pending proposed legislation. This Stipulation shall be deemed a permit only as set forth below for purposes of the Health & Safety Code and payment of the annual facility fee pursuant to Health & Safety Code §§25205.2 and 25205.4. The facility size and type pursuant

to this Stipulation shall be "Series A Standardized Permit" during calendar years 1994, 1995, and 1996. Thereafter, the facilities shall be regarded as "large treatment" unless otherwise authorized by legislation.

B. Within 30 days after the close of the 1996 legislative session, if authorized by legislation, Edison shall submit a standardized permit notification to the Department, to include a complete application, pursuant to legislation, for the BCCB at the Alamitos generating station. To streamline the permit process, the Department intends to review and approve the notification and Part "B" standardized permit application for the BCCB at the Alamitos generating station as a model standardized permit application for BCCB's. The Alamitos application, when deemed technically complete by the Department, will serve as the model for all other BCCB standardized permit applications covered by this Stipulation. Edison shall submit the remaining applications for the facilities listed in column A of Exhibit 1 in accordance with the schedule of submittal specified in Exhibit 2.

C. If the legislation fails to authorize operation of the BCCBs under the Standardized Permit tier by the close of the 1996 legislative session, within 90 days after receiving written guidance from the Department for preparing surface impoundment permits, Edison shall complete, sign and submit Part A and Part B hazardous waste surface impoundment permit applications to the Department for the BCCB at Alamitos generating station. To streamline the permit process, the Department intends to review

and approve the Part A and Part B permit application for the BCCB's at the Alamitos generating station as a model permit application for BCCB's. The Alamitos permit application, when deemed technically complete by the Department, will serve as the model for all other BCCB permit applications covered by this Stipulation. Edison shall submit the remaining applications for the facilities listed in column A of Exhibit 1 in accordance with the schedule of submittal specified in Exhibit 2.

D. If the Department determines that any report, plan, schedule or other document submitted for approval fails to comply with this Stipulation or fails to protect public health or safety or the environment, the Department may return the document to Edison with recommended changes and a date by which Edison must submit to the Department a revised document incorporating the recommended changes for approval by the Department.

IX. Matters Covered by This Stipulation

This Stipulation settles all violations alleged in the Complaint filed against Edison, including Department costs of inspection and investigation and costs of suit, relating to the Complaint. The Department agrees that it will not refer or recommend that any criminal charges be filed based on the allegations in the complaint. The provisions of this paragraph are expressly conditioned on full and complete performance by Edison of all of the terms and conditions of this Stipulation.

Nothing in this Stipulation shall constitute or be construed as a satisfaction or release from liability for any conditions or claims arising as a result of current, or future operations of

Edison which are not covered by this Stipulation, nor shall this Stipulation be construed to preclude the Department or any state agency, board, or entity from exercising its authority under any law, statute or regulation.

X. Requirement of the Department

The duties imposed on Edison by this Stipulation shall be construed to be requirements of the Department issued pursuant to the HWCL. Any violation of this Stipulation is separate and in addition to any violation of any provision of the HWCL.

XI. Notice and Submittals

All submittals required pursuant to ¶¶VIII(A)(1), VIII(A)(2), VIII(A)(3), VIII(A)(4), VIII(A)(6), and VIII(A)(7) of this Stipulation shall be submitted to the following:

Chief
Statewide Permitting Division
Department of Toxic Substances Control, Region 4
245 West Broadway, Suite 425
Long Beach, CA 90802

Unit Chief, Geology Services
Statewide Permitting Division
Department of Toxic Substances Control, Region 4
245 West Broadway, Suite 425
Long Beach, CA 90802

In addition, a copy of the transmittal letter for the above submittals and all other submissions and notices including copies of all checks required by this Stipulation shall be sent to:

Chief
Statewide Compliance Division
Department of Toxic Substances Control, Region 4
245 West Broadway, Suite 425
Long Beach, California 90802

All approvals and decisions of the Department regarding any matter requiring approval or decision under the terms of this

Stipulation shall be communicated in writing to:

Robert Reid
Southern California Edison Company
2244 Walnut Grove Avenue
Rosemead, CA 91770.

No advice, guidance, suggestions or comments by employees or officials of the Department regarding submissions or notices shall be construed to relieve Edison of its obligation to obtain the final written approvals required by this Stipulation.

XII. Department Not Liable

The Department shall not be liable for any injury or damage to persons or property resulting from acts or omissions by Edison, its directors, officers, employees, agents, representatives or contractors in carrying out activities pursuant to this Stipulation , nor shall the Department be held as a party to or guarantor of any contract entered into by Edison, its directors, officers, employees, agents, representatives or contractors in carrying out activities required pursuant to this Stipulation.

XIII. Modification of Settlement and Order

This Stipulation may be modified upon written approval of the parties hereto and the Court.

XIV. Extensions

Edison may request in writing an extension of the compliance schedule provided herein prior to the date compliance is due. If the Department determines that good cause exists for an extension, it will grant the request and specify in writing a new compliance schedule. Approval shall not be unreasonably

withheld; however, silence does not constitute approval of the extension. Edison is not authorized to modify the compliance schedule herein unless and until the Department agrees to the modification in writing.

XV. Application of Stipulation

This Stipulation shall apply to and be binding upon the Department and Edison and the successors or assigns of either of them.

XVI. Authority to Enter Stipulation

Each signatory to this Stipulation certifies that he or she is fully authorized by the party he or she represents to enter into this Stipulation, to execute it on behalf of the party represented and legally to bind that party.

XVII. Integration

This Stipulation constitutes the entire agreement between the parties and may not be amended or supplemented except as provided for herein.

XVIII. Counterparts

This Stipulation may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

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XIX. Termination of Order

This action shall be dismissed with prejudice upon Edison's satisfaction of the terms and conditions herein.

IT IS SO STIPULATED:

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Dated: __, 1994 By: _____
TED RAUH, Deputy Director
Department of Toxic Substances Control

Approved as to Form and Content:

DANIEL E. LUNGREN, Attorney General
of the State of California
THEODORA BERGER,
Assistant Attorney General
PEARL LATTAKER,
Deputy Attorney General

Dated: __, 1995 By: _____
PEARL LATTAKER
Attorneys for Department of
Toxic Substances Control

SOUTHERN CAL. EDISON CO.

Dated: January 24, 1995 By: Bryant C. Danner
BRYANT C. DANNER
Senior Vice President

Approved as to Form and Content:

DAWN WILSON

Dated: January 24, 1995 By: Dawn Wilson

Attorneys for Edison

In accordance with the terms of the above written Stipulation between plaintiff and defendant,

IT IS SO ORDERED AND ADJUDGED:

DATED: 2/1/95

ROBERT H. O'BRIEN
JUDGE OF THE SUPERIOR COURT

XIX. Termination of Order

This action shall be dismissed with prejudice upon Edison's satisfaction of the terms and conditions herein.

IT IS SO STIPULATED:

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Dated: JAN. 30, 1994 By: _____
TED RAUH, Deputy Director
Department of Toxic Substances Control

Approved as to Form and Content:

DANIEL E. LUNGREN, Attorney General
of the State of California
THEODORA BERGER,
Assistant Attorney General
PEARL LATTAKER,
Deputy Attorney General

Dated: Jan 31, 1995 By: _____
PEARL LATTAKER
Attorneys for Department of
Toxic Substances Control

SOUTHERN CAL. EDISON CO.

Dated: January 29, 1995 By: _____
BRYANT C. DANNER
Senior Vice President

Approved as to Form and Content:
DAWN WILSON

Dated: __, 1995 By: _____

Attorneys for Edison

In accordance with the terms of the above written Stipulation between plaintiff and defendant,

IT IS SO ORDERED AND ADJUDGED:

DATED:

_____
JUDGE OF THE SUPERIOR COURT

EXHIBIT "1"

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

EXHIBIT NO. 1

SOUTHERN CALIFORNIA EDISON CONSENT DECREE

REVISED 12/31/91

	FACILITY	A UNITS REQUIRING PERMITS	B UNITS REQUIRING CLOSURE PLAN APPROVAL	C UNITS REQUIRING GROUNDWATER MONITORING	D UNITS REQUIRING INTEGRITY TESTS
1	Alamitos Generating Station, Long Beach 690 North Studebaker Road Long Beach, CA 90815 EPA ID No.: CAD009694795	BCCB - 2 UNITS	NR BASIN - 1 UNIT SR BASIN - 1 UNIT MD SUMP - 1 UNIT PD SUMP - 1 UNIT BCCB - 2 UNIT	BCCB - 2 UNIT NR BASIN - 1 UNIT SR BASIN - 1 UNIT	PD SUMP - 1 UNIT MD SUMP - 1 UNIT
2	El Segundo Generating Station, El Segundo 301 Vista Del Mar El Segundo, CA 90245 EPA ID No.: CAD000630962	BCCB - 1 UNIT	R BASIN - 1 UNIT BCCB - 1 UNIT MD SUMP - 1 UNIT	BCCB - 1 UNIT R BASIN - 1 UNIT	MD SUMP - 1 UNIT
3	Etiwanda Generating Station, Etiwanda 8996 Etiwanda Avenue Etiwanda, CA 91739 EPA ID No. CAD079548574	BCCB - 1 UNIT	R BASIN - 1 UNIT MD BASIN - 1 UNIT BCCB - 1 UNIT	BCCB - 1 UNIT MD BASIN - 1 UNIT R BASIN - 1 UNIT	
4	Huntington Beach Generating Station 21730 Newland Street Huntington Beach, CA 92646 EPA ID No.: CAD000631085	BCCB - 1 UNIT	R BASIN - 1 UNIT BCCB - 1 UNIT	R BASIN - 1 UNIT BCCB - 1 UNIT	
5	Mandalay Generating Station, Oxnard 393 North Harbor Blvd. Oxnard, CA 93030 EPA ID No.: CAD000630913	BCCB - 1 UNIT	R BASIN - 2 UNIT BCCB - 1 UNIT	R BASIN - 2 UNIT BCCB - 1 UNIT	
6	Redondo Beach Generating Station 1100 Harbor Drive Redondo Beach, CA 90277 EPA ID No.: CAD000631093	BCCB - 1 UNIT	NR BASIN - 1 UNIT SR BASIN - 1 UNIT PD SUMP - 1 UNIT BCCB - 1 UNIT MD SUMP - 1 UNIT	BCCB - 1 UNIT NR BASIN - 1 UNIT SR BASIN - 1 UNIT	PD SUMP - 1 UNIT MD SUMP - 1 UNIT
7	Ormond Beach Generating Station 6635 South Edison Drive Oxnard, CA 93033 EPA ID No.: CAD000637036		PD SUMP - 1 UNIT R BASIN - 2 UNIT	R BASIN - 2 UNIT	PD SUMP - 1 UNIT

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

EXHIBIT NO. 1

SOUTHERN CALIFORNIA EDISON CONSENT DECREE

REVISED 12/02/94

	FACILITY	A UNITS REQUIRING PERMITS	B UNITS REQUIRING CLOSURE PLAN APPROVAL	C UNITS REQUIRING GROUNDWATER MONITORING	D UNITS REQUIRING INTEGRITY TESTS
8	Highgrove Generating Station 12700 Taylor Street Colton, CA 92324 EPA ID No.: CAD000631028		R BASIN -1 UNIT MD SUMP - 1 UNIT	R BASIN - 1 UNIT	MD SUMP - 1 UNIT
9	Long Beach Generating Station 2665 West Seaside Boulevard Long Beach, CA 90813 EPA ID No. CAD000631143		R BASIN - 1 UNIT	R BASIN - 1 UNIT	
10	San Bernardino Generating Station 25770 San Bernardino Avenue San Bernardino, CA 92408 EPA ID No.: CAD000631150		R BASIN - 1 UNIT MD BASIN - 1 UNIT	R BASIN - 1 UNIT MD BASIN - 1 UNIT	
11	Cool Water Generating Station 37072 East Santa Fe Dagget, CA 92327 EPA ID No.: CAD000630905		PD SUMP - 1 UNIT		PD SUMP - 1 UNIT

GEND:

BCCB-BOILER CHEMICAL CLEANING BASIN
PD SUMP-POLISHER DEMINERALIZER SUMP
MD SUMP-MAKE-UP DEMINERALIZER SUMP
R BASIN-RETENTION BASIN
SR BASIN-SOUTH RETENTION BASIN
NR BASIN-NORTH RETENTION BASIN

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

EXHIBIT NO. 2

SCHEDULE OF SUBMITTAL FOR

SOUTHERN CALIFORNIA EDISON HAZARDOUS WASTE MANAGEMENT UNITS

Revised 12/02/94

A FACILITY	B CLOSURE PLAN UNIT TYPE	C UNITS	D SCHEDULE OF SUBMITTAL
1 Alamitos Generating Station, Long Beach 690 North Studebaker Road Long Beach, CA 90815 EPA ID No.: CAD009604795	North Retention basin South Retention basin Makeup demineralizer sump Polish demineralizer sump Boiler chemical cleaning basin	1 1 1 1 2	Within 90 days of receiving Department's closure plan guidance
2 El Segundo Generating Station, El Segundo 301 Vista Del Mar El Segundo, CA 90245 EPA ID No : CAD000630962	Retention basin Makeup demineralizer sump Boiler chemical cleaning basin	1 1 1	60 days from the Completeness determination of Alamitos Closure Plan
3 Etiwanda Generating Station, Etiwanda 8996 Etiwanda Avenue Etiwanda, CA 91739 EPA ID No. CAD079548574	Retention basin Makeup demineralizer basin Boiler chemical cleaning basin	1 1 1	30 days from submittal of El Segundo Closure Plan
4 Huntington Beach Generating Station 21730 Newland Street Huntington Beach, CA 92646 EPA ID No.: CAD000631025	Retention basin Boiler chemical cleaning basin	1 1	30 days from submittal of Etiwanda Closure Plan
5 Mandalay Generating Station, Oxnard 393 North Harbor Blvd. Oxnard, CA 93030 EPA ID No.: CAD000630513	Retention basin Boiler chemical cleaning basin	2 1	30 days from submittal of Huntington Beach Closure Plan
6 Redondo Beach Generating Station 1100 Harbor Drive Redondo Beach, CA 90277 EPA ID No.: CAD000631093	North Retention basin South Retention basin Polish demineralizer sump Boiler chemical cleaning basin Makeup demineralizer sump	1 1 1 1 1	30 days from submittal of Mandalay Closure Plan
7 Ormond Beach Generating Station 6635 South Edison Drive Oxnard, CA 93033 EPA ID No.: CAD000637036	Retention basin Polish demineralizer sump	2 1	30 days from submittal of Redondo Beach Closure Plan
8 Highgrove Generating Station 12700 Taylor Street Colton, CA 92324 EPA ID No.: CAD000631028	Retention basin Makeup demineralizer sump	1 1	30 days from submittal of Ormond Beach Closure Plan
9 Long Beach Generating Station 2685 West Seaside Boulevard Long Beach, CA 90813 EPA ID No. CAD000631143	Retention basin	1	30 days from submittal of Highgrove Closure Plan
10 San Bernardino Generating Station 25770 San Bernardino Avenue San Bernardino, CA 92408 EPA ID No : CAD000631150	Retention basin Makeup demineralizer basin	1 1	30 days from submittal of Long Beach Closure Plan
11 Cool Water Generating Station 37C70 East Santa Fe Daggett, CA 92327 EPA ID No : CAD000630905	Polish demineralizer sump	1	30 days from submittal of San Bernardino Closure Plan

SOUTHERN CALIFORNIA
EDISON
An EDISON INTERNATIONAL Company

March 29, 1996

Mr. Joe Zarnoch
Hazardous Substances Scientist
Department of Toxic Substances Control
Region 4
245 West Broadway, Suite 425
Long Beach, California
90802-4444

Subject: Inland Generating Facilities

Dear Mr. Zarnoch:

Southern California Edison Company has considered your proposal to perform soil gas surveys in lieu of installing ground water monitoring wells at the Etiwanda, San Bernardino and Highgrove Generating Stations. Edison concurs with your proposal and will collect 6 soil gas samples from beneath the liners in each basin at Etiwanda, 3 gas samples below the basins at Highgrove and San Bernardino. These samples will be taken at 5 feet below the liner at the same locations as the hand auger borings.

The procedure will be to create the opening in the liner, obtain the soil gas sample, and then proceed with the soil sampling. The survey will be performed by Hydro Geo Chem, Inc. utilizing protocol described in the Regional Water Quality Control Board - Los Angeles Region document titled "Work Plan Requirements for Active Soil Gas Investigation."

Additionally, Edison is agreeing to obtain soil matrix samples from the West Retention Basin at the Highgrove Generating Station even though this basin was not included in the terms of the Settlement Agreement BC 121219. Edison is conceding to perform the additional investigation because of the reasons outlined in your letter of March 25, 1996.

If you have any questions, I can be reached at (818) 302-2216.

Sincerely,

G M Becker

George M. Becker
Senior Environmental Specialist

P. O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

K Baker

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ntrol

5 West Broadway,
uite 425
ng Beach, CA
802-4444

September 14, 1996

Pete Wilson
Governor

James M. Strock
Secretary for
Environmental
Protection

Mr. George M. Becker
Senior Environmental Specialist
Southern California Edison Company
P.O.Box 800
2244 Walnut Grove Avenue
Rosemead, California 91770

Dear Mr. Becker:

ANNUAL GROUNDWATER MONITORING REPORTS
SOUTHERN CALIFORNIA EDISON (SCE) GENERATING STATIONS

After discussing the anticipated schedule for quarterly groundwater sampling and reporting with SCE staff, the Department of Toxic Substances Control concurs with SCE's suggestion that the Annual Groundwater Monitoring Reports discussed in approved Water Quality Monitoring Programs for SCE's Generating Stations be due on October 1, 1997 instead of March 1, 1997. The October date will allow for a comprehensive evaluation of four quarters of groundwater data rather than only two quarters of data. Please note that if groundwater sampling is required beyond October 1997 at any of the Generating Stations, subsequent Annual Groundwater Reports would be due on March 1 of the following year as required by California Code of Regulations, Title 22.

If you have any questions regarding this matter, please contact me at (310) 590-4944 or Mr. Chris Guerre (310) 590-4940.

Sincerely,

Karen Baker

Karen Baker, CEG, CHG
Unit Chief
Facility Permitting Branch

Printed on Recycled Paper

SUMP INTEGRITY REPORT

for Southern California Edison Facilities

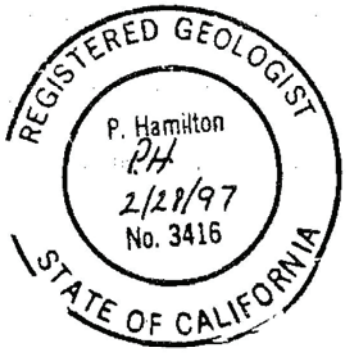
December 19, 1996
Revised (2/28/97)

Prepared by:

P. Hamilton

P. Hamilton, CEG #998
Engineering Geologist





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Introduction

In response to a Consent Agreement with the State of California Department of Toxic Substance Control, Edison performed an investigative program to determine the integrity of sumps at various generating stations. These sumps were constructed as part of the water purification system and used by the polishing and demineralizer systems. Some of these sumps are no longer used and have been designated inactive.

The investigation plan was presented in the SAP titled "Sump Integrity Test Plan, Sampling and Analysis Plan, for Southern California Edison Facilities" dated April 1996. The purpose of the plan was to develop the procedures for the investigation that would determine if the sumps had leaked high or low pH water to the environment. The exploration was basically a series of borings augered adjacent to each sump collecting soil samples at designated depths. If groundwater was encountered, samples would be obtained for testing. All soil and water samples were tested for pH and general minerals. The investigation at each sump was performed using procedure described in the approved plan. Any deviation from the plan was approved by the DTSC and described in the following report.

Originally, the sump investigation was considered a separate study from the retention basin investigation, also a part of the Consent Agreement. However, because of contract and personnel constrain, the sump investigation was performed over an 8 month time period with the retention basins.

Three sumps or small basins were added to this investigation since the plan was approved. A demineralizer sump at Ormond Beach Generating Station had been inadvertently overlooked. The small demineralizer basins at San Bernardino and Etiwanda Generating Stations were included in this report. As for the sumps, the Constituent of Concern for the basins is pH. Therefore, 13 sumps or basins at 9 generating stations are discussed below.

The purpose of this report is to present the results of the investigation of the sump integrity program. The report is sectioned by generating station. Each section contains a description of the exploration performed, results of the analytical tests, and conclusions. The tables, figures, field forms, and lab reports are included in the section.

Summary of Conclusions

The following table summarizes the conclusions regarding the integrity of each sump or basin investigated.

Station	Sump	Conclusion	Status
Alamitos	Polishing	Leaking	Active
	Demineralizer	No problem	Active
Cool Water	Water Treatment	No problem	Active
El Segundo	Demineralizer	Leaked	Active
Highgrove	Demineralizer	Leaked	Inactive
Huntington Beach	Polishing	No problem	Inactive
	Demineralizer	No problem	Inactive
Ormond Beach	Polishing	Leaked	Active
	Demineralizer	Leaked	Active
Redondo	Polishing	Leaked	Active
	Demineralizer	No problem	Active
San Bernardino	Demineralizer	No problem	Inactive
Etiwanda	Demineralizer	Leaking	Active

1. Alamitos Generating Station

1.1 Polishing Sump

1.1.1 Exploration

Work at the Polishing Sump began on May 30, 1996. The 6-inch concrete floor was penetrated using a pneumatic hammer with a 3-inch bit at locations 1, 2, and 3 (Figure 1). Hand augering began in Hole 1. A hard concrete layer was discovered within 3 feet below the surface. Hole 2 encountered the same surface. Holes 1A and 2A were advanced to determine the extent of the concrete while keeping as close to the sump as possible. Both holes hit the concrete at 3 feet. All four holes were cleared of cuttings by using compressed air and viewed with a flashlight. The concrete surface showed evidence of hand troweling. Hole 3 was drilled to 4 feet when it encountered a similar concrete surface as observed in the four holes on the south side of the sump. Hole 3A also located the concrete. It was decided to postpone any further exploration until a more thorough plan check could be performed.

It was determined that concrete ducts paralleled the north and south sides of the sump. These structures would not allow penetration to sample the native soils below. On August 27, an attempt was made to position exploratory holes at the base of the wall, east of the sump. A dense mat of rebar was encountered and could not be penetrated by the pneumatic drill. Holes 1B and 3B were located immediately adjacent to the sump walls. Both holes hit the concrete ducts.

1.1.2 Results

All 8 exploratory holes were advanced in silty sand that was determined to be backfill material over the constructed, concrete ducts. The ducts are 3 to 4 feet below the floor. On the north side of the sump, the soil was dry. However, Hole 1B indicated saturated conditions with standing water at an equal level as the water inside the sump. The water in the exploratory hole had a very strong ammonia odor as did the water in the sump. Nearby piezometers indicate the groundwater level to be 18 feet deep at the sump location. While attempting to obtain a sample of the water from the auger hole, the sump pump began to operate. As the water lowered in the sump, the water level lowered in the drill hole. This indicates a direct connection between the sump and the perched water in the drill hole. An inspection of the interior sump walls showed two locations where the liner and walls had been severely eroded. Apparently, water from the sump is leaking through the wall and migrating along the poorly compacted fill above the duct on the south side. The soil on the north side must have been properly compacted.

Three soil samples were obtained for laboratory analysis. A sample was taken at the 4-foot level in Holes 3 and 3A. The results are shown on Table 1 and indicate normal parameter values. A sample of the saturated soils in Hole 1B was collected for metals and pH analysis. Table 2 is the results of the testing. The pH value was below normal but far from hazardous levels.

1.1.3 Conclusions

The exploration shows that the polishing sump is leaking through the liner and walls. The leakage is migrating along the south side of the sump in fill material over a buried concrete duct.

1.2 Demineralizer Sump

1.2.1 Exploration

Exploration for the Demineralizer Sump, including the background hole, was performed on May 29 and 30, 1996. Nine holes were attempted adjacent to the sump with three completed to the planned depth of 12 feet. Figure 2 shows the location of the exploration. Buried pipes were encountered on three sides of the sump at about 4 feet of depth. This caused the location of 5B to be 4 feet from the sump. Holes 8 and 9 were positioned close to the south sump wall in an adjacent tank enclosure. The concrete slab of the enclosure was 18-inches thick. The exploratory hole to obtain background soil values was drilled about 100 feet west of the sump in a graveled area separated from any station activities.

1.2.2 Results

The three holes advanced to 12 feet indicated a layered lithology of clayey silt to about 11 feet overlaying a sandy silt (Figure 2). Soil samples were taken at 4, 8, 10, and 12 feet for pH and chemical analysis. Table 3 is the lab results of the soils arranged by boring. The background values have been highlighted for easy

comparison. Table 4 is the same data arranged by depth that is illustrated on Figure 2.

As shown on Figure 2, the upper 4 feet of soil adjacent to the sump is fill over buried pipes. The fill is composed of silty sand and coarse sand that was encountered by the six shallow borings. Near the bottom of Boring 4B, a saturated layer of silt was discovered that had a pH of 8.73. The material above the silt was only slightly moist with a field pH values of 8.52. The hard sand layer below was also slightly moist but had a pH of 10.84. The pH values for samples within the fill were higher than the native soils. The values at Boring 5, 6, and 7 were as high as 11.59.

1.2.3 Conclusions

The cause of the higher pH values in the fill material is not known. It could be related to construction activities. However, the pH values in the native soil at the same 4-foot horizon are normal when compared with the background data. The soils data below the sump also appear normal. Though higher than normal pH values were measured in the fill material, there is no direct evidence that the sump has leaked.

2. Cool Water Generating Station

2.1 Water Treatment Basin

2.1.1 Exploration

Investigation of the basin occurred on October 1 and 2, 1996. Three borings, drilled on a 45 degree angle, were planned to sample the soils below the water treatment basin. Hole 1 was started 5 feet from the basin wall that would have allowed the hole to clear the bottom of the wall (Figure 3). However, the gravelly sand caused the augers to travel up creating a shallower angle and the wall was encountered. The hole was re-drilled at a location 8 feet from the wall. Hole 1 was advanced to 40 feet as planned. Hole 2 encountered the same dry, gravelly sand as Hole 1. Ten gallons of de-ionized water was added to the drill hole after sampling at 28 and 34 feet to assist in removing the drill cuttings. At 35 feet, a gravel layer was discovered that would not allow the auger to penetrate. The hand augering equipment was used in an attempt to continue the hole to 40 feet. Refusal for the hand auger was at 37 feet and a sample was taken at that location.

Hole 3 hit an inactive water pipe at 5.5 feet. It was determined by station personnel that the pipe had been used by a pilot plant for cooling tower water. Because trapped water in the pipe was high in mineral content, the hole was abandoned. The DTSC representative on site agreed that the data obtained from the two holes would be sufficient for the basin and a third hole was not necessary.

2.1.2 Results

The two exploratory holes indicated the soil material below the basin is a dry, gravelly sand, tan in color, and very dense. Due to the dryness of the soil, there was no binder to remove the drill cuttings from the augers. Figure 3 shows the lab pH values for the soil samples obtained at the designated elevations. Table 5 illustrates the lab analysis of the samples arranged by boring. The background boring was drilled about 150 feet east of the basin in an open field. The background data has been shaded on the tables. Table 6 is the same data arranged by depth to correspond to Figure 3. The data from the two exploratory holes and background hole correlate with no large discrepancies.

2.1.3 Conclusions

The data obtained from the exploration indicated there is no leakage from the basin.

3. El Segundo Generating Station

3.1 Demineralizer Sump

3.1.1 Exploration

Investigation of the sump occurred on September 9 and 11, 1996. Six exploratory holes and a background hole were attempted at the Demineralizer Sump (Figure 4). Three holes were advanced to the planned depth while the others encountered imbeds. Hole 1 reveled a sand slurry and gravel backfill that was apparently related to the newly constructed brine tank adjacent to the sump. The hole could not be advanced past the gravel backfill at 5.5 feet. The gravel was also saturated with standing water in the hole. Ground water in this area is about 17 feet. Since Holes 2 and 4 encountered normal sandy soils, it is assumed that a barrier was installed during the tank foundation construction that is perching irrigation water.

Hole 2 was located at the sump wall and struck a pipe at 4.5 feet. The second attempt, shown on Figure 4, was located 1-foot from the sump and completed at 11 feet. Hole 3 hit a pipe at 6 feet. Holes 3A and 4 were completed to the desired depth. Hole 4 was positioned within a tank enclosure.

The exploratory hole where the background data was obtained is located about 25 feet north of the sump. This location was chosen before the ground water gradient was correctly determined. Chevron had indicated the gradient was sloping to the east. After the site gradient was plotted, the gradient was to the north not east. Therefore, the background hole was inadvertently placed downgradient from the sump and may have been influenced by leakage.

3.1.2 Results

The exploration indicates the sump is founded in a brown sand. As described above, Boring 1 could not be advanced through the construction fill. It is noted that an orange colored, wet sand layer was observed at about 4 feet below the ground surface.

The results of the lab analysis of the soil samples are shown on Table 7 that has the data arranged by boring. Table 8 is the same data arranged by depth and is illustrated on Figure 4. The samples from Hole 2 were an orange color caused by leaching of the sand by acidic water. These samples have a low pH value that was decreasing with depth. The surface sandy soil from the two aborted attempts at Boring 2 also encountered orange colored layers.

Hole 3A had more normal pH values. However, before Boring 3 hit a pipe, orange sand was noted. Paper in the drill cuttings was discovered during the sampling in 3A at 10.5 feet. This indicated the soil was backfill material compacted around the sump.

The field pH values in Hole 4 were continuing to decrease with depth and was extended two feet. An orange sand layer was crossed at 9 feet and the pH was as low as 5. The low pH values and the orange staining in Holes 2 and 4 indicate leakage has occurred.

The data from the background hole is most likely invalid due to the gradient. It is definitely down gradient from the sump and recorded several low pH values. Since there is no question the sump has leaked, a new background boring will not be drilled.

3.1.3 Conclusions

The data indicate the sump has leaked with the leakance migrating to the west. It is unknown if the leakance was on the south side since this material was removed during construction of a nearby tank.

4. Highgrove Generating Station

4.1 Demineralizer Sump

4.1.1 Exploration

The investigation of the sump occurred on September 19, 1996. The two liners, hypalon and HDPE, were completely removed. The concrete floor was in good condition and the side walls showed minor amounts of pitting indicating some attack by acidified water. The plan was to drill four holes through the bottom of the sump with samples at 3 and 5 feet. Work began at Hole 2 where it was discovered that there are two, 1-foot thick concrete floors separated by an epoxy coating. The exposed floor appeared to have large patched areas where the concrete had been worked. Each floor slab had a rebar grid. In the case of Hole 1, the grid overlapped and the lower slab could not be penetrated. The background data was obtained from a hole drilled near the switchyard some 100 feet to the northwest.

4.1.2 Results

The exploration indicated the native soil is a clayey and silty sand, brown in color, dry, and very hard. The resultant data from the lab analysis is shown on Table 9 that is arranged by boring. The same data is arranged by depth on Table 10 and illustrated on Figure 4. The background data has been highlighted. Holes 2 and 3 indicate normal pH values. However, low pH values were recorded for the samples in Hole 4. The low pH values continued with depth as Hole 4 was

extended 2 additional feet. Besides having low pH values, all three soil samples from Hole 4 also had an elevated sulfate level.

The borings penetrated the areas where the floor had possibly been patched. There were no areas of weaknesses in the concrete.

4.1.3 Conclusions

The pH values from Hole 4 indicate that acidic fluids had passed through the soils. It was also discovered that the floor had been modified for an unknown reason. However, the sump may not have leaked. There is a tank east of the sump marked sulfuric acid that is presently not empty. Since high levels of sulfate were determined to be in the soil, the tank may have leaked rather than the sump. Regardless of the cause, a release has occurred with evidence below the sump.

5. Huntington Beach Generating Station

5.1 Polishing Sump

5.1.1 Exploration

The exploration program was performed on July 1, 1996. Four holes were planned to be excavated through the bottom of the sump and sampled at 1 and 3 feet. Greg Sweel of the DTSC requested one of the holes be re-located in an adjacent valve pit (Figure 6). It was discovered that the pit had a 16-inch floor before the soil was encountered. Soil samples for background values were obtained from a nearby monitoring well installation boring.

5.1.2 Results

The hand augering indicated the soils below the sump were composed of tan and gray layers of sand. The resultant chemical analysis of the samples obtained are shown on Table 11 and are arranged by the boring number. The same data is arranged by depth on Table 12 and illustrated on Figure 6. The data is consistent between borings and with the background data. There were high pH values in the 1-foot samples in borings 1 and 3.

Free standing groundwater was observed in Boring 3. There was not a sufficient amount to obtain a sample for lab analysis, however, a field screen recorded a pH of 9.49.

5.1.3 Conclusions

The data indicates the polishing sump has not leaked.

5.2 Demineralizer Sump

5.2.1 Exploration

The investigation occurred on July 1,1996. Four hand auger borings were advanced from the bottom of the sump (Figure 7). Samples were taken at 1 and 3 feet. Background soil data was obtained from the bore hole of a nearby monitoring well installation.

5.2.2 Results

The soil samples showed that the material below the sump is composed of sand in tan and gray layers. The analytical results of the lab tests are presented on Table 13 that is arranged by boring. The same data is arranged by depth on Table 14 and illustrated on Figure 7. The pH values are consistent for the exploratory holes except for a sample in holes 5 and 6. In each of these holes, a low pH value was recorded for the soil samples. These are not excessively low and seem to be random. They may be due to local peat beds or other naturally occurring material.

Groundwater was encountered in all four borings. There is an apparent eastward sloping gradient below the sump. An unfiltered sample was taken from the uncased hole of Boring 6 using a disposable bailer. The analytical results are included on Table 13. The groundwater is brackish with a normal pH value.

5.2.3 Conclusions

There is no evidence that the demineralizer sump has leaked.

6. Ormond Beach Generating Station

6.1 Polishing Sump

6.1.1 Exploration

The investigation of the polishing sump was performed on July 24 and 25, 1996. On the first five attempts to drill Hole 1 (Figure 8), a surface that could not be penetrated was encountered at 3 feet. This was most likely a pipe or imbeds related to the sump. The sixth location cleared the problem area. Hole 2 was located between the sump pump motors. Hole 3 required drilling through 18 inches of concrete before encountering the soil. The background soil samples were obtained from a boring about 100 feet to the north of the sump.

6.1.2 Results

The soil recovered during the hand augering was primarily a medium to coarse grained sand with areas of construction gravel backfill near the base of the sump floor. The natural color of the sand is a tan or brown. However, layers of orange stained sand and red stained gravel indicated that low pH water had penetrated the area. The analytical results on the soil samples are displayed on Table 15 that is arranged by boring. Table 16 is the same data arranged by depth that is illustrated on Figure 8.

Boring 3 had a 2-foot layer of orange colored sand immediately below a thick concrete slab. A sample of the orange sand taken from 4 feet indicated a field pH of 5.21. Boring 3 also encountered a gravel layer at 7 feet with a high field pH of 9.08. Boring 2 sampled a low pH orange colored layer at 5 feet and the

same construction gravel layer at 8.5 feet. Boring 1 did not encounter any orange colored sand.

Groundwater was located in each of the holes at about 7.5 feet below the ground surface. An unfiltered sample was obtained from Hole 2 for lab analysis that is shown on Table 15. The pH of the water was 7.33. The soil may have layers of low pH values but it appears that the groundwater is normal.

6.1.3 Conclusions

It appears that low pH water has entered the native soils from the sump. Because of the staining immediately below the surface, some of the leakage may have been from overflow rather than leakage through the walls. This water has altered the color of the sand to orange. The leakance has also collected in the gravel layer placed below the sump during construction as evidenced by the red staining.

6.2 Demineralizer Sump

6.2.1 Exploration

The exploration for this sump occurred on July 24,1996. It is located within 30 feet of the polishing sump. Three auger borings were placed on the available sides of the sump (Figure 9). None of the holes required relocation due to imbed or pipes. The background soil values were obtained from the same boring as with the polishing sump.

6.2.2 Results

Sampling from the three holes indicated the native soils are the same medium to coarse grained sand as observed below the polishing sump. As previously witnessed, the sand was stained orange in both layers and pods. The analytical results of the soil tests are shown on Table 17 that are arranged by boring. Table 18 displays the same data arranged by depth. Figure 9 illustrates the data on a cross-section view.

All three borings indicate some degree of leaching, though, it was most evident in Hole 5. There was an orange layer immediately below the surface asphalt that had a field pH value of 3.86. The orange staining was prevalent through the sand section and most times between sampling locations. Though the pH values are normal for the sampling layers of Boring 4, the orange layers were encountered between samples with field pH values as low as 3.66. A saturated gravelly sand layer was encountered at 4.5 feet.

To determine if the low pH soils were mobilizing metals, two samples of the orange stained sand was set to the lab for metal analysis. A sample was taken from the strongly stained layer at 1-foot in Boring 5. The other was taken from the drill cutting's barrel. The test results are shown on Table 19. To assist in the interpretation, CAM tests of the bore hole cuttings for newly installed monitoring wells were added to Table 19. These wells were several hundred feet from the sump location. The data confirms the low pH values from the orange sand but shows the metal concentrations do not appear to be affected.

Groundwater was encountered in the three exploratory holes at about 7.5 feet below the ground surface. An unfiltered sample was collected from Boring 4 using a disposable bailer. The results of the lab test are displayed on Table 17. The water pH was normal at 6.76.

The normal pH of the ground water will not affect the pH values of the soil. Soil behaves as an acid-base buffering system that resists pH changes. An excellent discussion of the buffering properties of soil is given in the following book by James Dragun, "The Soil Chemistry of Hazardous Materials." The book was published in 1988 by the Hazardous Materials Control Research Institute.

6.2.3 Conclusions

It appears that low pH water has entered the native soils from the sump. Because of the staining immediately below the surface, some of the leakage may have been from overflow rather than leakage through the walls. The low pH material has not affected the pH of the ground water.

7. Redondo Generating Station

7.1 Polishing Sump

7.1.1 Exploration

The investigation of the sump occurred on May 1, 1996. Three borings were hand augered to 11 feet (Figure 10). The 6-inch thick, concrete floor of the basement area required drilling before augering. The background data was obtained from a boring located about 60 feet from the sump.

7.1.2 Results

The soil observed from the exploration was a silty sand material, brown in color, and moist. Groundwater was not encountered in the excavations. The analytical results from the samples tested is shown on Table 20. The same data arranged by depth is displayed on Table 21 and illustrated on Figure 10. There appears to be a layer of low pH soil at 5 feet below the surface. The field screening indicated values of 4.4 to 5.7 in the three holes at this level. The lab samples verified the layer except in Hole 1 that was tested at 9.3. All of the remaining pH values recorded were consistent with the other sample values and the background values.

7.1.3 Conclusions

There is evidence that leakage has occurred at the sump. The low pH soil does not extend below 5 feet.

7.2 Demineralizer Sump

7.2.1 Exploration

The sump investigation occurred on April 30 and May 1, 1996. Two borings were hand augered from the surface and one from within the valve pit to the planned depth (Figure 11). A buried electrical conduit was discovered on the west side when red grout was found in the cuttings. A fiber pipe imbeds was struck on the south side in Hole 6. Hole 7 was located outside the area of the buried pipe. The background pH values were obtained from a nearby monitoring well installation.

7.2.2 Results

The auger cuttings indicated the native material was a brown, silty sand. Hole 7 encountered forming wood and asphalt debris at 8 feet below the ground surface indicating construction backfill. The analytical results of soil tests on the obtained samples are shown on Table 22 that is arranged by boring. Table 23 is the same data arranged by depth. Figure 11 illustrated the pH values with depth. The recorded pH values adjacent to the sump appear to be slightly higher than the background boring. Borings 5 and 6 had pH values of 9.36 and 9.1 at the 5-foot horizon. The samples from Boring 5 also had high concentrations of chloride and sodium at all depths. Boring 5 is most likely in fill material and may have been affected by construction activities.

The DTSC has concerns regarding the background data. The soil from the background boring appears to be chemically dissimilar to the soil at the sump.

7.2.3 Conclusions

The data indicates there has been no leakage from the sump.

8. San Bernardino Generating Station

8.1 Demineralizer Basin

8.1.1 Exploration

The investigation occurred on September 26, 1996. After inspecting the liner and because of the small size of the basin, Greg Sweel of the DTSC agreed that the planned number of exploratory holes was excessive. It was agreed to explore four holes in the corners of the floor and sample at 1, 5, and 9 feet (Figure 12). The construction of the basin was noted while opening the access holes through the liner. The base was a thin gunite layer covered by a hypalon fabric liner. Over the hypalon was the HDPE liner material.

A hole to obtain background values were drilled near the southwest corner of the basin. A drill rig was used to excavate this hole.

8.1.2 Results

The cuttings from the exploratory holes indicated the native material below the basin is a tan, silty sand that was moist. The groundwater is over 100 feet below the basin. The analytical results from the soil samples are shown on Table 24. The same data is arranged by depth on Table 25 and illustrated in a section view on Figure 12. The pH values are consistent below the basin. The values under the basin are higher than the background values, however, they do correlate with other pH tests taken on the site for an investigation of the Boiler Chemical

9. Etiwanda Generating Station

9.1 Demineralizer Basin

9.1.1 Exploration

The exploration for the basin was performed between October 22 and 25, 1996. The plan was to drill four auger borings angled beneath the basin. The results of the first two borings negated the necessity of the remaining two. A background boring was drilled about 100 feet to the west of the basin.

9.1.2 Results

The material encountered in the two drill holes indicated the native soils are composed of layers of coarse and fine silty sand. The natural color was brown to gray. The material adjacent to the basin slopes had normal pH values during the field screening. A coarse, gray sand and gravel were encountered at the base of the basin at 20 feet on the angle. The gravel layer was wet. As the hole was advanced, the sand became a yellow color and the pH values reduced to 4.0. Hole 2 showed the same sequence as Hole 1 with low pH values below the basin floor. The holes were completed at 18 feet below the basin floor and the pH values were 3.8 to 4.0.

The analytical results of the lab tests are arranged by boring on Table 26. The same data arranged by depth is displayed on Table 27 and illustrated on Figure 13. A comparison of the values from the two exploratory borings and the background hole indicates the area below the basin has been affected by low pH water. The chemical values also indicate high sulfate concentrations in the soil.

Cleaning Basin. This data and analysis are in the Leak Detection Report that will be submitted to the DTSC in June 1997.

The DTSC has concerns regarding the background data. The soil from the background boring appears to be chemically dissimilar to the soil below the basin. The background boring was located immediately adjacent to the southwest corner of the basin. It is believed that a new location would no improve the data.

8.1.3 Conclusions

The data indicates the basin has not leaked.

9.1.3 Conclusions

The data clearly demonstrates the basin has leaked low pH water to the native soils.

Table 1

Polishing Sump -- Alamitos Generating Station

General Mineral Analysis

Sample	Depth (ft)	pH (field)	pH (lab)	Calcium	Magnesium	Sodium	Potassium	Sulfate	Chloride	Nitrate	Fluoride
1B	4		5.85								
3	4	9.59	9.22	30.3	24	19.2	14.3	ND	1.39	ND	ND
3A	4	8.39	8.10	21	1.97	7.62	ND	24.4	1.01	3.94	0.35

Demineralizer Sump -- Alamitos Generating Station

Table 3

Data Arranged by Boring

Sample	Depth (ft)	pH (field)	pH (lab)	Calcium	Magnesium	Sodium	Potassium	Sulfate	Chloride	Nitrate	Fluoride
B-1	4	9.00	8.54	58.8	71	101	44	35.8	8.99	ND	ND
B-2	8	8.49	8.19	24.9	27.4	81.3	14.7	25.7	7.46	ND	ND
B-3	10	8.63	8.28	22.1	22.4	30.8	12.2	ND	ND	ND	ND
B-4	12	8.24	8.68	31.5	19.5	88	9.95	55.9	31	ND	ND
4A-1	4	8.89	8.75	51.4	17.7	46.3	9.44	11.6	2.45	ND	0.34
4B-1	4	8.73	8.56	33.9	23.7	34.9	13.4	ND	9.78	ND	ND
5-1	4	11.59									
5A-1	4	9.61	9.19	25.3	29.3	40.7	14.8	ND	ND	ND	ND
5B-1	4	8.61	8.85	16.5	20.4	44.4	9.67	ND	ND	ND	ND
5B-2	8	8.06	8.49	14.7	15.4	50.9	7.49	ND	ND	ND	ND
5B-3	10	7.70	8.10	26.2	4.42	80.4	2.24	17.3	4.27	ND	0.57
5B-4	12	7.28	7.82	7.73	3.97	60.6	1.73	30.4	5.8	ND	ND
6-1	4	10.53	10.80	82.1	ND	32.7	1.91	127	2.96	1.56	0.39
7-1	4	10.70	10.90	36	ND	23.6	2.15	ND	7.62	ND	0.15
8-1	4	9.35	8.56	36.8	39	72.5	22.5	ND	3.61	ND	ND
8-2	8	7.23	8.10	190	37.2	193	ND	155	16.4	ND	0.66
8-3	10	7.40	7.72	45.9	10.5	115	ND	80.9	57.8	ND	0.52
8-4	12	6.86	7.55	48.5	13	114	ND	40.8	55	ND	0.59
9-1	4	8.73	8.55	26.5	35.3	80.6	20	23	6.22	ND	ND
9-2	8	7.91	8.20	117	37.9	180	0.73	237	24.1	ND	0.96
9-3	10	7.46	7.61	34	12.6	143	ND	74.8	39.4	ND	0.56
9-4	12	7.74	7.57	35	10.4	116	ND	40.6	85.7	ND	0.54

Table 4

Demineralizer Sump -- Alamitos Generating Station

Data Arranged by Depth

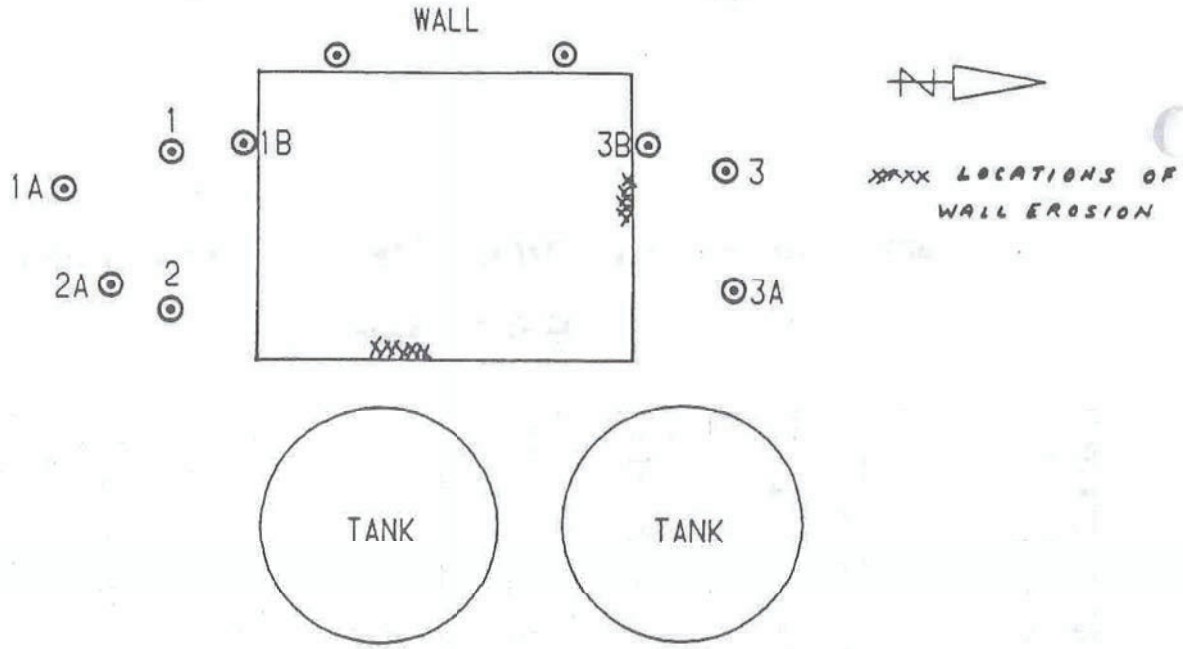
Sample	Depth (ft)	pH (field)	pH (lab)	Calcium	Magnesium	Sodium	Potassium	Sulfate	Chloride	Nitrate	Fluoride
4A-1	4	8.89	8.75	51.4	17.7	46.3	9.44	11.6	2.45	ND	0.34
4B-1	4	8.73	8.56	33.9	23.7	34.9	13.4	ND	9.78	ND	ND
5A-1	4	9.61	9.19	25.3	29.3	40.7	14.8	ND	ND	ND	ND
5B-1	4	8.61	8.85	16.5	20.4	44.4	9.67	ND	ND	ND	ND
5-1	4	11.59									
6-1	4	10.53	10.80	82.1	ND	32.7	1.91	127	2.96	1.56	0.39
7-1	4	10.70	10.90	36	ND	23.6	2.15	ND	7.62	ND	0.15
8-1	4	9.35	8.56	36.8	39	72.5	22.5	ND	3.61	ND	ND
9-1	4	8.73	8.55	26.5	35.3	80.6	20	23	6.22	ND	ND
B-1	4	9.00	8.54	58.8	71	101	44	35.8	8.99	ND	ND
5B-2	8	8.06	8.49	14.7	15.4	50.9	7.49	ND	ND	ND	ND
8-2	8	7.23	8.10	190	37.2	193	ND	155	16.4	ND	0.66
9-2	8	7.91	8.20	117	37.9	180	0.73	237	24.1	ND	0.96
B-2	8	8.49	8.19	24.9	27.4	81.3	14.7	25.7	7.46	ND	ND
5B-3	10	7.70	8.10	26.2	4.42	80.4	2.24	17.3	4.27	ND	0.57
8-3	10	7.40	7.72	45.9	10.5	115	ND	80.9	57.8	ND	0.52
9-3	10	7.46	7.61	34	12.6	143	ND	74.8	39.4	ND	0.56
B-3	10	8.63	8.28	22.1	22.4	30.8	12.2	ND	ND	ND	ND
5B-4	12	7.28	7.82	7.73	3.97	60.6	1.73	30.4	5.8	ND	ND
8-4	12	6.86	7.55	48.5	13	114	ND	40.8	55	ND	0.59
9-4	12	7.74	7.57	35	10.4	116	ND	40.6	85.7	ND	0.54
B-4	12	8.24	8.68	31.5	19.5	88	9.95	55.9	31	ND	ND

Table 19

Demineralizer Sump -- Ormond Beach Generating Station

Metals Analysis

Parameter	Units	1-foot	Barrel	OB-7	OB-8	OB-9	OB-10	OB-11
pH	units	3.66	5.24	7.77	7.95	7.57	7.63	7.59
Antimony	mg/kg	ND	ND	ND	ND	ND	ND	ND
Arsenic	mg/kg	ND	ND	ND	ND	ND	ND	ND
Barium	mg/kg	33.4	43.9	30.4	53.9	21.7	36.5	42.3
Beryllium	mg/kg	ND	ND	ND	ND	ND	ND	ND
Cadmium	mg/kg	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	mg/kg	19.2	9.08	6.75	22.7	10.3	4.93	7.58
Copper	mg/kg	11.8	10.5	3.29	7.48	15.4	3.61	4.66
Cobalt	mg/kg	4.62	3.94	ND	5.19	10.7	ND	3.08
Lead	mg/kg	4.14	7.53	1.96	2.2	1.96	1.85	2.46
Mercury	mg/kg	ND	0.08	ND	ND	ND	ND	ND
Molybdenum	mg/kg	ND	ND	ND	ND	6.8	ND	ND
Nickel	mg/kg	7.95	9.33	7.53	10.3	14.4	5.29	6.8
Selenium	mg/kg	0.19	0.14	0.07	0.1	0.19	0.1	0.1
Silver	mg/kg	3.82	ND	ND	ND	3.26	ND	ND
Thallium	mg/kg	ND	ND	ND	ND	ND	ND	ND
Vanadium	mg/kg	61.5	30.6	15.4	30.3	37.8	18	19.6
Zinc	mg/kg	32.8	32.3	13.9	21.8	32.8	14.3	19.1



PLAN VIEW
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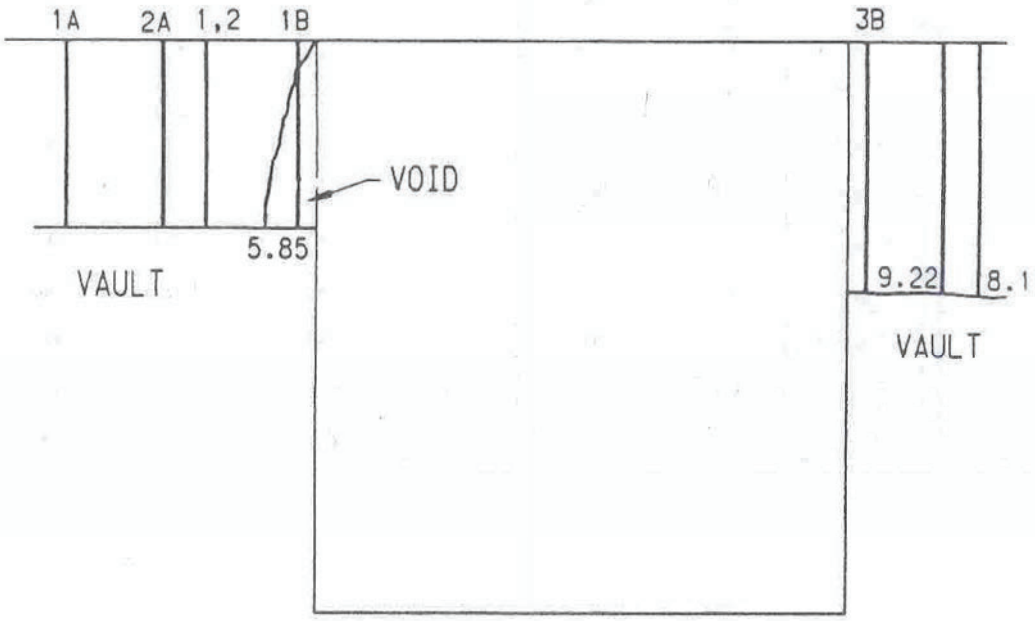


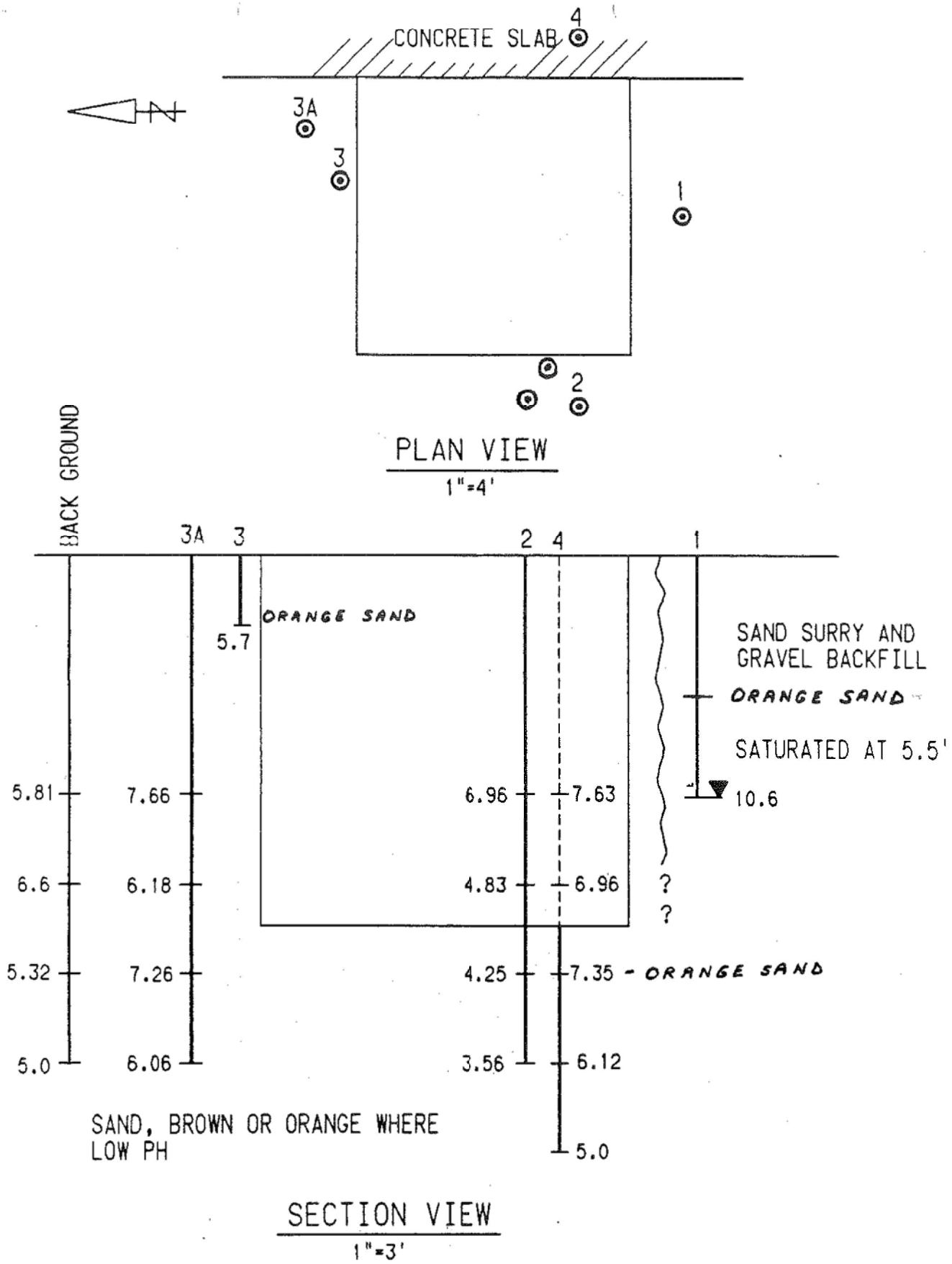
SECTION VIEW
1"=3'

ALAMITOS GENERATING STATION

POLISHING SUMP

FIGURE 1

SUMPSK2

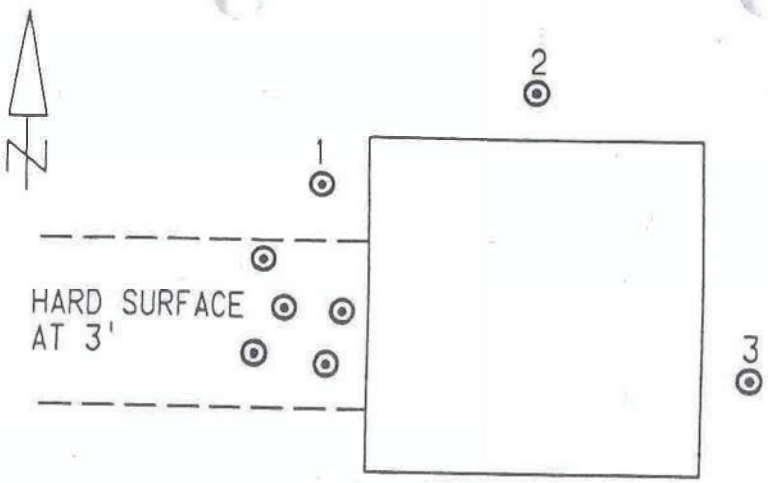


ELSEGUNDO GENERATING STATION

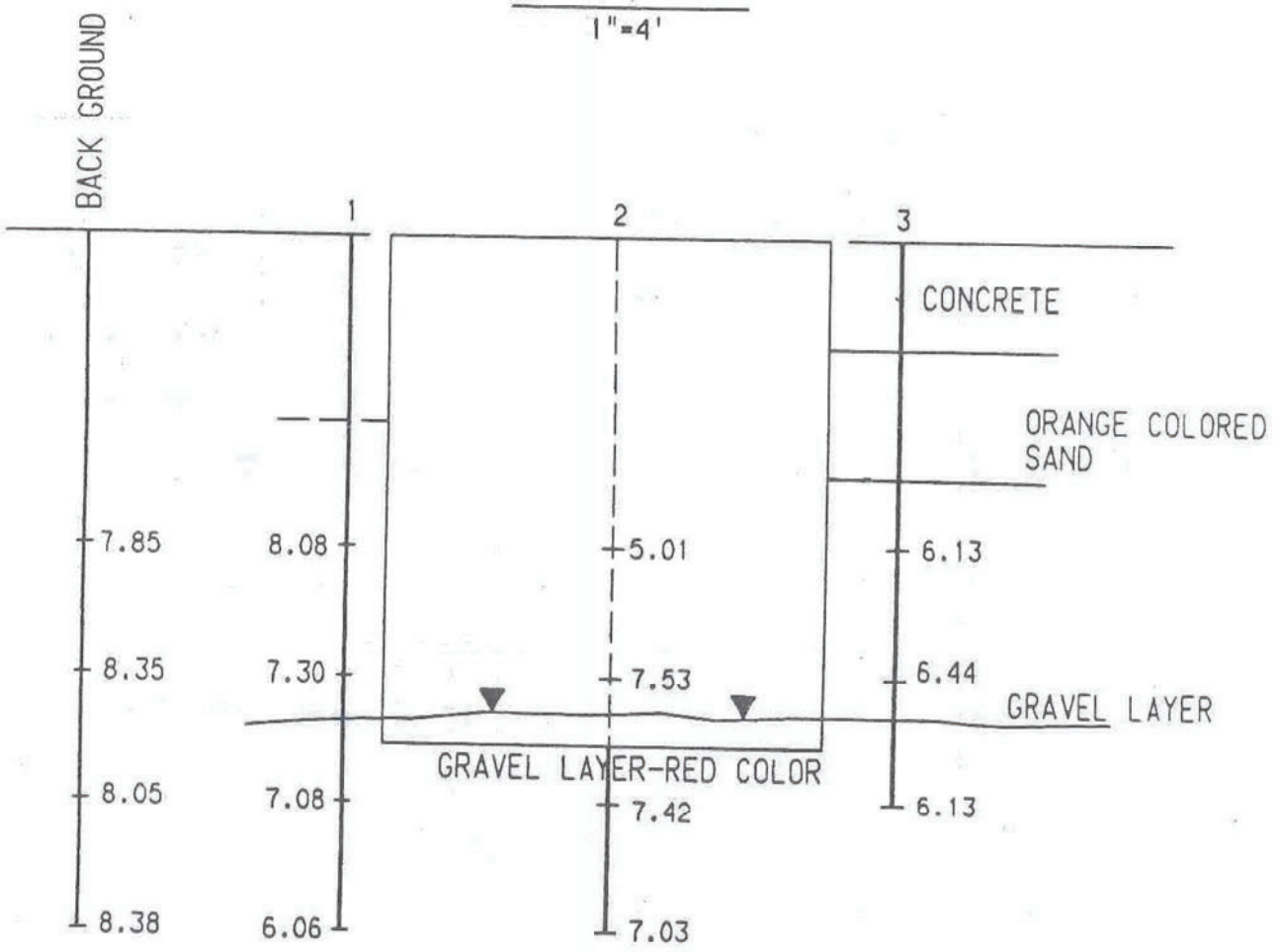
DEMINERALIZER SUMP

FIGURE 4

SUMPSK2



PLAN VIEW
1"=4'



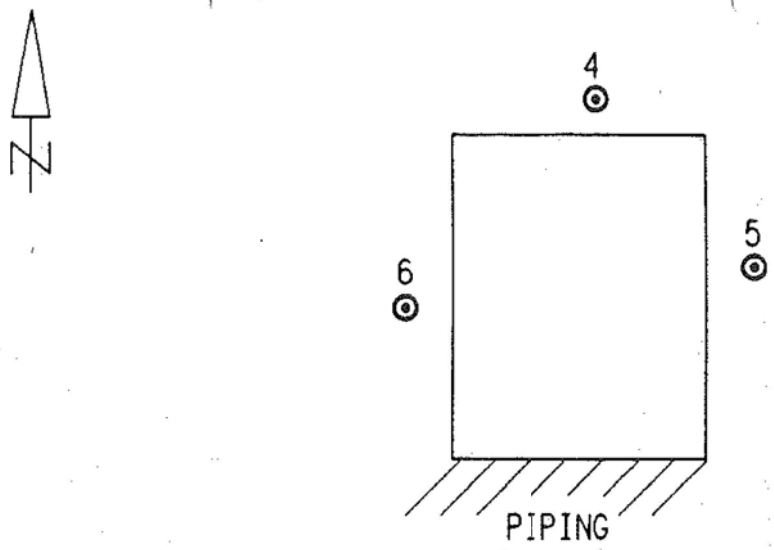
SECTION VIEW
1"=3'

ORMOND BEACH GENERATING STATION

POLISHING SUMP

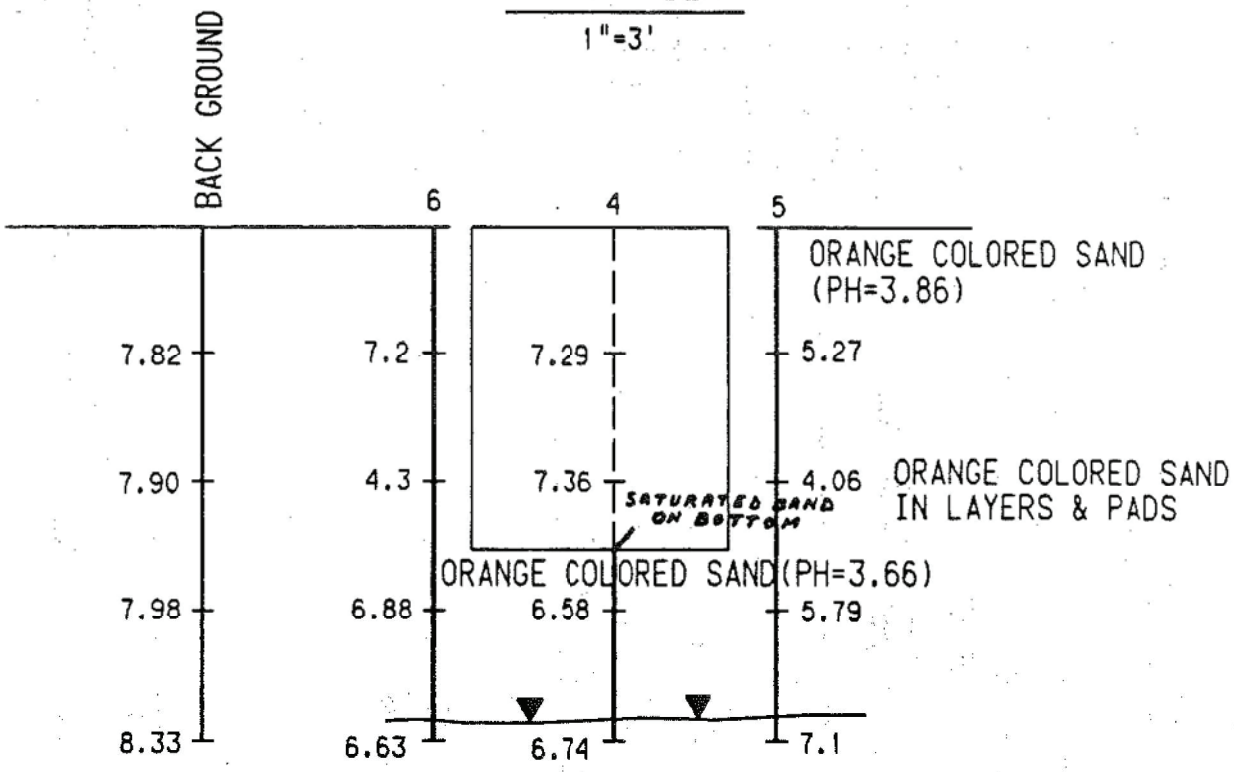
FIGURE 8

SUMPSK2



PLAN VIEW

1"=3'



SECTION VIEW

1"=3'

ORMOND BEACH GENERATING STATION

DEMINERALIZER SUMP

FIGURE 9

SUMPSK2

CHAIN OF CUSTODY RECORD

Weck Laboratories, Inc.

ENVIRONMENTAL SERVICES

14859 E. Clark Ave. • Industry, CA 91745 • **Tel: (818) 336-2139 Fax: (818) 336-2634**

CLIENT NAME: So. Cal EDISON

PROJECT: HUNTINGTON BEACH

ADDRESS: 2131 WALNUT GROVE AVE

PHONE #: 818 302-[illegible]

PROJECT MANAGER: P. HAMILTON

SAMPLER: P HAMILTON

P.O.#

LAB I.D.#	DATE SAMPLED	TIME SAMPLED	SMPL TYPE*	SAMPLE IDENTIFICATION	# OF CONT.	pH	GEN MINERAL	REMARKS
961342	7/1/96	0830	SO	HBGS-6-1	1	X	X	GEN MINERAL 5:1 LEACHING
543		0842		HBGS-6-2	1	X	X	
544		0848		HBGS-7-1	1	X	X	
545		0854		HBGS-7-2	1	X	X	
546		0900		HBGS-8-1	1	X	X	
547		0910		HBGS-8-2	1	X	X	
548		0920		HBGS-5-1	1	X	X	
549		0925		HBGS-5-2	1	X	X	
550		0955	GW	HBGS-6-3	1	X	X	

ANALYSIS REQUESTED

SPECIAL HANDLING

- ☐ Same Day Rush (60%)
- ☐ 24 HRS (40%)
- ☐ 48 - 72 HRS (30%)
- ☒ 7 - 10 Business Days
- ☐ QA/QC Package

Reporting Agency _____

Method of Shipment: _____

REMARKS

RELINQUISHED BY	DATE / TIME	RECEIVED BY
Pat Hamilton	7/1/96 1553	[signature]
RELINQUISHED BY	DATE / TIME	RECEIVED BY
RELINQUISHED BY	DATE / TIME	RECEIVED BY

* = AQ - Aqueous NA - Nonaqueous SL-Sludge DW - Drinking Water WW-Wastewater GW-Groundwater SO-Soil SW-Solid Waste OT-Other

Sample Condition:

Precooled	(Y) N
Preserved	Y (N)
Evidence seals intact	Y / N
Container Attacked	Y / N
Preserved at Lab	Y / N

Disposition of samples:

Pick Up by client: _____

Return*: _____

Dispose by Lab*: _____

* Extra charge added

SPECIAL REQUIREMENTS OR INSTRUCTIONS

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CHAIN OF CUSTODY RECORD

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ENVIRONMENTAL SERVICES
14859 E. Clark Ave. • Industry, CA 91745 • Tel: (818) 336-2139 Fax: (818) 336-2634

CLIENT NAME: SO CAL EDISON
PROJECT: HUNTINGTON BEACH
ADDRESS:
PHONE #:
PROJECT MANAGER
SAMPLER:
P.O.#

ANALYSIS REQUESTED

SPECIAL HANDLING
- ☐ Same Day Rush (60%)
- ☐ 24 HRS (40%)
- ☐ 48 - 72 HRS (30%)
- ☒ 7 - 10 Business Days
- ☐ QA/QC Package

Reporting Agency _____
Method of Shipment: _____

LAB I.D.#	DATE SAMPLED	TIME SAMPLED	SMPL TYPE*	SAMPLE IDENTIFICATION	# OF CONT.	[illegible]	[illegible] MINERAL	REMARKS
9613534	7/1/96	1100	SO	HBGS-4-1	1	X	X	
535		1105		HBGS-4-2	1	X	X	
536		1115		HBGS-3-1	1	X	X	
537		1125		HBGS-3-2	1	X	X	
538		1148		HBGS-2-1	1	X	X	
539		1200		HBGS-2-2	1	X	X	
540		1225		HBGS-1-1	1	X	X	
541		1236		HBGS-1-2	1	X	X	

RELINQUISHED BY	DATE / TIME	RECEIVED BY
[signature]	7/1/96 1553	[signature]
RELINQUISHED BY	DATE / TIME	RECEIVED BY
RELINQUISHED BY	DATE / TIME	RECEIVED BY

* = AQ - Aqueous NA - Nonaqueous SL-Sludge DW - Drinking Water WW-Wastewater GW-Groundwater SO-Soil SW-Solid Waste OT-Other

Sample Condition:
- Precooled Y / N
- Preserved Y / N
- Evidence seals intact Y / N
- Container Attacked Y / N
- Preserved at Lab Y / N

Disposition of samples:
Pick Up by client: _____
Return*: _____
Dispose by Lab*: _____

* Extra charge added

SPECIAL REQUIREMENTS OR INSTRUCTIONS

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Weck Laboratories, Inc.

ENVIRONMENTAL SERVICES

14859 E. Clark Ave. • Industry, CA 91745 • **Tel: (818) 336-2139 Fax: (818) 336-2634**

CLIENT NAME: So. Calif. Edison

PROJECT: Huntington Beach

ADDRESS: 2131 Walnut Grove Ave

PHONE #: 818 302-8758

PROJECT MANAGER: P. Hamilton

SAMPLER: P. Hamilton

P.O.#

LAB I.D.#	DATE SAMPLED	TIME SAMPLED	SMPL TYPE*	SAMPLE IDENTIFICATION	# OF CONT.	PH	GEN MINERAL	CAM METAL	REMARKS
9613009	6/24/96	1020	SO	HB-2-1	1	X	X		GEN. MINERAL SOIL LEACHING
9613010	6/24/96	1025	SO	HB-2-2	1	X	X		
9613011	6/24/96	1255	SO	HB-2	1	X		X	

ANALYSIS REQUESTED

SPECIAL HANDLING

- ☐ Same Day Rush (60%)
- ☐ 24 HRS (40%)
- ☐ 48 - 72 HRS (30%)
- ☐ 7 - 10 Business Days
- ☐ QA/QC Package

Reporting Agency _____

Method of Shipment: _____

RELINQUISHED BY	DATE / TIME	RECEIVED BY
P. Hamilton	6/24/96 1644	Joyce Kastura
RELINQUISHED BY	DATE / TIME	RECEIVED BY
RELINQUISHED BY	DATE / TIME	RECEIVED BY

* = AQ - Aqueous NA - Nonaqueous SL-Sludge DW - Drinking Water WW-Wastewater GW-Groundwater SO-Soil SW-Solid Waste OT-Other

Sample Condition:

Precooled	(Y) N
Preserved	Y (N)
Evidence seals intact	Y / N
Container Attacked	Y (N)
Preserved at Lab	Y (N)

Disposition of samples:

Pick Up by client: _____

Return*: _____

Dispose by Lab*: _____

* Extra charge added

SPECIAL REQUIREMENTS OR INSTRUCTIONS

EZ PRINTING (714) 526 5553 FORM 101

CHAIN OF CUSTODY RECORD

Weck Laboratories, Inc.

ENVIRONMENTAL SERVICES

14859 E. Clark Ave. • Industry, CA 91745 • **Tel: (818) 336-2139 Fax: (818) 336-2634**

CLIENT NAME: So Calif. Edison

PROJECT: Huntington Beach

ADDRESS: 2131 Walnut Grove Ave

PHONE #: 818 302 8758

PROJECT MANAGER: P. Hamilton

SAMPLER: P. Hamilton

P.O.#

LAB I.D.#	DATE SAMPLED	TIME SAMPLED	SMPL TYPE*	SAMPLE IDENTIFICATION	# OF CONT.	pH	GEN MINERAL	CAM METALS
9613130	6/25/96	0740	SO	HB-5-1	1	X	X	
31	6/25/96	0750	SO	HB-5-2	1	X	X	
32	6/25/96	0920	SO	HB-5	1	X		X
33	6/25/96	1630	SO	HB-4	1	X		X

ANALYSIS REQUESTED

REMARKS

GEN MINERAL
5:1 LEACHING

SPECIAL HANDLING

- ☐ Same Day Rush (60%)
- ☐ 24 HRS (40%)
- ☐ 48 - 72 HRS (30%)
- ☐ 7 - 10 Business Days
- ☐ QA/QC Package

Reporting Agency _____

Method of Shipment: _____

RELINQUISHED BY	DATE / TIME	RECEIVED BY
Patrick Hamilton	6/25/96 1650	
RELINQUISHED BY	DATE / TIME	RECEIVED BY
RELINQUISHED BY	DATE / TIME	RECEIVED BY

* = AQ - Aqueous NA - Nonaqueous SL-Sludge DW - Drinking Water
WW-Wastewater GW-Groundwater SO-Soil SW-Solid Waste OT-Other

Sample Condition:

Precooled	Y / N
Preserved	Y / N
Evidence seals intact	Y / N
Container Attacked	Y / N
Preserved at Lab	Y / N

Disposition of samples:

Pick Up by client: _____

Return*: _____

Dispose by Lab*: _____

* Extra charge added

SPECIAL REQUIREMENTS OR INSTRUCTIONS

EZ PRINTING (714) 526 5553 FORM 101

CHAIN OF CUSTODY RECORD

Weck Laboratories, Inc.
ENVIRONMENTAL SERVICES
14859 E. Clark Ave. • Industry, CA 91745 • **Tel: (818) 336-2139 Fax: (818) 336-2634**

CLIENT NAME: So Cal Edison
PROJECT: San Bernardino
ADDRESS: 2131 Walnut Grove Ave
PHONE #: (818) 3028758
PROJECT MANAGER
SAMPLER: P. Hamilton
P.O.#

LAB I.D.#	DATE SAMPLED	TIME SAMPLED	SMPL TYPE*	SAMPLE IDENTIFICATION	# OF CONT.	Gen Mineral	pH	REMARKS
9619979	9/26/96	0735	SO	SB-4-1	1	X	X	5:1 Leach
80		0745		SB-4-2	1	X	X	
81		0755		SB-4-3	1	X	X	
82		0800		SB-2-1	1	X	X	
83		0810		SB-2-2	1	X	X	
84		0825		SB-2-3	1	X	X	
85		0835		SB-8-1	1	X	X	
86		0845		SB-8-2	1	X	X	
87		0855		SB-8-3	1	X	X	
88		0905		SB-6-1	1	X	X	

ANALYSIS REQUESTED

SPECIAL HANDLING
- ☐ Same Day Rush (60%)
- ☐ 24 HRS (40%)
- ☐ 48 - 72 HRS (30%)
- ☐ 7 - 10 Business Days
- ☐ QA/QC Package

Reporting Agency _____

Method of Shipment: _____

RELINQUISHED BY	DATE / TIME	RECEIVED BY
P. Hamilton	9/26/96 1505	
RELINQUISHED BY	DATE / TIME	RECEIVED BY
RELINQUISHED BY	DATE / TIME	RECEIVED BY

SPECIAL REQUIREMENTS OR INSTRUCTIONS

* = AQ - Aqueous NA - Nonaqueous SL-Sludge DW - Drinking Water WW-Wastewater GW-Groundwater SO-Soil SW-Solid Waste OT-Other

Sample Condition:

Precooled	Y / N
Preserved	Y / N
Evidence seals intact	Y / N
Container Attacked	Y / N
Preserved at Lab	Y / N

Disposition of samples:
Pick Up by client: _____
Return*: _____
Dispose by Lab*: _____

* Extra charge added

EZ PRINTING (714) 526-5553 FORM 101

Privileged and Confidential

PHASE 1 ENVIRONMENTAL SITE ASSESSMENT ETIWANDA GENERATING STATION

May 1997

Submitted to
SOUTHERN CALIFORNIA EDISON COMPANY

Prepared by:

CH2M HILL

3 Hutton Centre Drive
Santa Ana, CA, 92707

Revision: Final

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EXECUTIVE SUMMARY

CH2M HILL has performed a Phase 1 Environmental Site Assessment at the Etiwanda Generating Station (EGS) property located at 8996 Etiwanda Avenue, Rancho Cucamonga, California in substantial conformance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E1527 and the limitations described in Section 1 of this report. This assessment has revealed the following results in connection with the property. No other recognized environmental conditions or areas of potential concern were identified as a result of the Phase 1 ESA efforts.

Stormwater Runoff Area

The Ameron facility and oil/filter processor facility located north of the EGS were reported by Edison to have periodic stormwater runoff events that flow through a 30-inch concrete drain to the south of the EGS property and into the Chadwick Channel (drainage ditch), located on Edison property. The drainage ditch next to the cooling towers was observed by CH2M HILL to contain a liquid that appeared to be oil. Edison staff reported that the liquid was not from the EGS but originated from offsite drainage. CH2M HILL observed evidence of minor dark staining in the ditch upstream and downstream of the culvert. The oil and soil staining observed in the stormwater runoff area is identified as a recognized environmental condition.

Chadwick Channel

In areas further downstream (south) in the Chadwick Channel drainage ditch, CH2M HILL observed discoloration of soils in the ditch and deposits of white and gray colored residues on the ground surface in the ditch. The observed soil staining and discolored area is identified as an area of potential concern.

Retention Basins

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

Sulfuric Acid Tank Area

A white powder substance was observed on the ground surface by CH2M HILL at the sulfuric acid tank location near the cooling towers. Edison staff could not identify the residue or the origin of the material. This area with an observed white powder substance is identified as an area of potential concern.

Cooling Tower Sludge Leaching Basin

Edison reported that sludge from the cooling towers was historically placed in a sludge leaching basin for liquid extraction prior to sludge disposal. This area is no longer used; however, the area is unlined and the containment berms remain in place. The potential contaminants in the soils from this past practice were reported to be chrome and arsenic from the treated wood used in the cooling towers. Because of the potential for subsurface contamination, the cooling tower sludge leaching basin area is identified as an area of potential concern.

Landfill Area

A landfill area of unknown origin is located at the west end of the EGS. Edison indicated that this fill area could possibly be a construction debris landfill. Because of the potential for subsurface contamination, the landfill area is identified as an area of potential concern.

Containment Area Spill

There was visual evidence of a small spill or leak inside the secondary containment area of the northwest fuel oil tank. The area affected by this observed release is identified as a recognized environmental condition.

Sump Valve Box

Oil was observed in the recessed sump valve box located near the fuel oil pumping system in the tank farm. Because of the potential for soil beneath the sump valve box to be impacted, the sump valve box area is identified as an area of potential concern.

Primary Fuel Oil Pump Area

The primary fuel oil pump area and the truck loading area were reported by Edison staff to be a location of potentially contaminated soils. It is not known whether investigations or remediation has been completed at these locations. Because of the potential for subsurface contamination at these locations, they are identified as an area of potential concern.

Transformers

The transformers at the EGS 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 oil with higher concentrations of PCBs before 1976. No records or reports of spills of oil from transformers were discovered; however, it is possible that spillage or releases of transformer oil could have occurred. Because of the possibility for past releases of PCBs, the areas around the transformers are identified as areas of potential concern.

Aboveground Storage Tanks

Review of existing investigation reports indicated that petroleum contamination exists at tank locations at shallow depths. The reports conclude that this petroleum contamination resulted from the practice of applying oil to tank subgrades for corrosion protection and from some localized spills outside the tanks. Reportedly, the contamination is not attributable to leaking tanks. The reports also conclude that the level of contamination detected is not significant. The Edison reports have recommended that no remedial action be conducted. Although it was concluded in the reports that petroleum concentrations associated with the aboveground tanks were not significant, no regulatory concurrence documentation was available. Therefore, the presence of oil in subsurface soil at the aboveground tank areas is considered a recognized environmental condition.

Powerblocks

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 available. Because the oil could have seeped through cracks or joints in the concrete or through the pores in the concrete, it is possible that there may be contaminated soils beneath the powerblock area. As such, the oil staining in the powerblock areas is identified as an area of potential concern.

Pipelines

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

Cooling Towers

Edison staff reported that wood and concrete in the cooling towers at the EGS can accumulate metals, such as arsenic, as a result of natural concentrations of such metals in the feed-water and changes in water chemistry that occur within the cooling towers. It is possible that soils in the area of the cooling towers may be contaminated as a result of such metals accumulations. Therefore, the cooling tower areas are identified as an area of potential concern.

SECTION 1
INTRODUCTION

CH2M HILL conducted a Phase 1 Environmental Site Assessment (ESA) of the Etiwanda Generating Station (EGS) at the request of Southern California Edison Company (Edison). This report presents the results of the Phase 1 assessment activities.

1.1 OBJECTIVES

This Phase 1 environmental site assessment is the initial task in the environmental liability assessment template approach, designed by CH2M HILL and Edison to achieve the following objectives:

- Provide factual information that may be considered in an appraisal of the station and adjacent property
- Provide factual information that may then be factored into an application for rate recovery in connection with environmental conditions at the station
- Assist in providing full disclosure of environmental conditions to prospective buyers of the station

This assessment has been completed in substantial conformance with the American Society for Testing and Materials (ASTM) E 1527-94 - Phase 1 Assessment Standard Process. The ASTM process is defined as good commercial and customary practice for conducting an environmental site assessment of a parcel of commercial real estate, with respect to the range of contaminants within the scope of Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) and petroleum products. The primary focus of the phase 1 process is to identify recognized environmental conditions. The term "recognized environmental conditions" means, *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 release of any hazardous substance 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 material risk of harm to public 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.*

Areas that do not satisfy the ASTM definition of a Recognized Environmental Condition but, for the reasons presented below, are recommended for investigation as part of the Phase II ESA, are identified in this report as "Areas of Potential Concern."

1.2 SPECIAL TERMS AND CONDITIONS

This report has been prepared for the exclusive use of Edison for specific application to the property as described in the report and for the purpose of evaluating the potential environmental liability associated with the MGS. No warranty, expressed or implied, is made. CH2M HILL makes no representation regarding whether this investigation constitutes "all appropriate inquiry into the previous ownership and uses of this property consistent with good commercial or customary practice" as defined in Section 101(35)(B) of CERCLA. There are no beneficiaries of this report other than Edison and no third party is entitled to rely upon this report without the written authorization of CH2M HILL and a written agreement limiting CH2M HILL's liability.

1.3 LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

CH2M HILL is not responsible for any claims, damages, or liabilities associated with the interpretation of these findings or reuse of the analysis, associated site data, or recommendations, without the express written authorization of CH2M HILL.

Limitations of this assessment may not be altered or waived without written consent of CH2M HILL.

It was beyond CH2M HILL's authorized scope of work to review: (1) materials containing asbestos; (2) the presence of radon; (3) the presence of lead-based paint; (4) lead in drinking water; (5) identification or delineation of jurisdictional wetlands; (6) issues associated with worker health and safety; (7) issues pertaining to compliance with environmental regulations; (8) liabilities associated with the offsite management of solid or hazardous wastes; (9) records beyond the Environmental Risk Information and Imaging Services (ERIIS) to search electronic environmental databases and readily available Edison files or conduct interviews with owners and occupants beyond the Edison staff identified in Section 4.1 of this report or interviews with local government officials. The exclusion of the above items is not a representation of the relevance of these non-scope considerations to the subject property.

This is a technical report and is not a legal representation or interpretation of environmental laws, rules, regulations, or policies of local, state, or federal governmental agencies.

This report is based, in part, on unverified information supplied to CH2M HILL from several Edison sources during the project research. CH2M HILL does not guarantee the completeness or accuracy of that information.

CH2M HILL assumes no responsibility for conditions we are not authorized to investigate, or conditions not generally recognized as environmentally unacceptable when services were performed.

In connection with the Phase 1 ESA, CH2M HILL has not performed any surface or subsurface sampling, and, therefore, this report does not reach final conclusions regarding the absence, or presence, of surface or subsurface contamination.

Any opinions or recommendations presented herein apply to site conditions existing when services were performed. CH2M HILL is unable to report on, or accurately predict, events

that may change the site conditions after the described services are performed, whether occurring naturally or caused by external forces.

No investigation is thorough enough to exclude the presence of hazardous substances at a given site. If hazardous substances or hazardous conditions have not been identified during the assessment, such a finding should not, therefore, be construed as a guarantee of the absence of such substances or conditions.

SECTION 2
SITE DESCRIPTION

2.1 LOCATION AND LEGAL DESCRIPTION

The Etiwanda Generating Station is located at 8996 Etiwanda Avenue, Rancho Cucamonga, California. A general plot plan and aerial photograph (taken in March 1995) of the facility are shown in Appendix A. A copy of the current USGS 7.5 minute series topographical map is shown in Appendix A.

According to Edison property maps, the EGS consists of portions of Sections 8 and 17, Township 1 south, Range 6 west, S.B. B & M.

2.2 SITE VICINITY CHARACTERISTICS

The topography at the station and vicinity is generally flat with a small amount of vegetation in the surrounding area. The EGS is adjacent to undeveloped property on the south and the Ameron Steel industrial property to the north. The station's eastern boundary is bordered by Etiwanda Avenue and a large industrial steel plant (Kaiser Steel). To the west is primarily undeveloped property and Interstate 15.

2.3 ROADS AND OTHER SITE IMPROVEMENTS

The developed EGS has numerous roads and structures comprising the current physical characteristics of the site. There have been many additions to the EGS associated with station operations and maintenance. The primary construction occurred over a period of 17 years from 1952 to 1969. The main station is comprised of five power generation units and ancillary structures (see plot plan, Appendix A).

2.4 REPORTED ENVIRONMENTAL LIENS AND LITIGATION

CH2M HILL requested the following information from Edison representatives:

- Any pending, threatened, or past litigation involving hazardous substances or petroleum products in, on, or from the site
- Any pending, threatened, or past litigation involving past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the site
- Any notices from any governmental entity regarding any possible violation of environmental law or possible liability relating to hazardous substances or petroleum products

Edison did not report any current environmental liens against the EGS. Edison did disclose that they were currently under a negotiated order with the California Environmental Protection Agency (Cal-EPA), Department of Toxic Substances Control (DTSC) to verify that their retention basins have not contributed to contamination of soils or groundwater. This order was negotiated on a company-wide basis and applies to all of their California

power generation facilities. No pending threatened or past litigation or administrative proceedings relating to the release of hazardous substances or petroleum products at the EGS were identified by Edison.

2.5 CURRENT USES OF THE PROPERTY

The current use of the subject property is an electric generating facility comprised of four natural gas/oil-fueled electric generating units and one natural gas/distillate-fueled generating unit (see Appendix A). Edison does not currently lease any portion of the EGS property. The EGS site has various storage tanks, equipment, and structures designed to contain several petroleum products. These petroleum products include fuel oil, distillate oil, lube oil, displacement oil, gear oil, mineral oil, gasoline fuel, and waste oil. A complete inventory of the equipment and storage tanks containing petroleum products is included in Appendix B.

Other processes exist at the EGS that utilize hazardous substances and/or generate hazardous wastes. A partial listing of these hazardous substances includes those listed in Appendix B. A complete inventory of hazardous materials storage containers, quantities, and locations of hazardous materials as assembled by Edison for the Hazardous Materials Release Contingency Plan is included in Appendix B. The predominant structures located at the EGS include large aboveground steel tanks storing petroleum products; process units that include boilers, tanks, and various mechanical equipment and vessels; lined retention basins; and buildings used for offices, training, and control and maintenance operations.

2.6 PAST USES OF THE PROPERTY

Review of existing records for the property indicates that the EGS is a former undeveloped area that has been graded to provide the present configuration. Records indicate that the first development at the EGS was associated with the construction of generating units in approximately 1952. Units 1 and 2 are 132-MW natural gas/oil-fired generating units. After 1952, the property continued to be developed by Edison for electrical power generation with the addition of three more units as indicated below.

Unit Number	Initial Operation	Potential Fuel	Generating Capacity (MW)
Unit #1	July 1953	Natural gas, oil	132
Unit #2	November 1953	Natural gas, oil	132
Unit #3	May 1963	Natural gas, oil	320
Unit #4	October 1963	Natural gas, oil	320
Unit #5	January 1969	Natural gas, distillate oil	175

SECTION 3
RECORDS REVIEW

3.1 ENVIRONMENTAL RECORD SOURCES

The environmental records review was performed by CH2M HILL during the month of June 1996. The findings and results of this review are discussed in this Section.

3.1.1 Standard ASTM Environmental Record Sources

The purpose of the records review was to obtain and review records that would help identify recognized environmental conditions and areas of potential concern in connection with the EGS property. CH2M HILL utilized an electronic database search to efficiently perform a records search of reasonably ascertainable electronic environmental databases, including the standard state and federal sources to conform with the minimum database search requirements of the ASTM Standard Practice (see Table 3-1). Note that this database search performed as part of this Phase 1 ESA did not include a regulatory agency file review of reports and documentation that may be available from local regulatory agency offices including EPA, DTSC, RWQCB, fire department, and building department.

The ASTM standard practice list of regulatory databases to be reviewed including the approximate minimum search distances and the resulting number of sites and features found within the ASTM search distance measured from the center of the EGS property are provided in Table 3-1.

Table 3-1
STANDARD ENVIRONMENTAL RECORD SOURCES

Record Sources †	Approximate Minimum Search Distance	# of Sites Found
Federal NPL site list	1.0 mile	0
Federal CERCLIS list	0.5 mile	0
Federal RCRA TSD facilities list	1.0 mile	0
Federal RCRA generators list	property & adjoining	0
Federal ERNS list	property only	0
State lists of hazardous waste sites Identified for investigation or remediation (NPL and CERCLIS equivalents)	1.0 mile	6
State landfill and/or solid waste disposal site lists	0.5 mile	0
State leaking UST lists	0.5 mile	0
State registered UST lists	property & adjoining	0
TOTAL		6

† Note: Definitions of the record sources are provided in the Database Reference Guide in Appendix C.

For the above-referenced ASTM search parameters, the database report identified known sites and features of environmental significance within the ASTM standard search distances. These sites are summarized in Table 3-2.

Table 3-2
SITES OF ENVIRONMENTAL SIGNIFICANCE (ASTM Search Parameters)

Record Sources †	Site(s) Found ††
State lists of hazardous waste sites Identified for investigation or remediation (NPL and CERCLIS equivalents) (**HWS**)	Ameron Steel and Wire Division 12459 Arrow Route, Etiwanda (2 sites) Metal Reclamation Co. 12549 Arrow Route, Etiwanda TAMCO 12549 Arrow Route, Etiwanda Big Three Industries 12550 Arrow Route, Etiwanda Industrial Asphalt # 3 12052 Arrow Route, Rancho Cucamonga

† Note: Definitions of the record sources are provided in the Database Reference Guide in Appendix C.
†† Details of the facilities found are included in Appendix C.

3.1.2 Supplemental Environmental Record Sources

To supplement the information obtained in the ASTM-required database records search, CH2M HILL performed a supplemental database search that included: (1) larger search distances for those databases required by ASTM and (2) additional databases not specified by ASTM. A summary of the databases, search distances, and the number of sites identified as part of this supplemental regulatory database search is provided in Table 3-3. The locations of the sites identified from the records search are shown in Figure 3-1.

Table 3-3
SEARCH RADIUS STATISTICAL PROFILE

Record Sources†	Radius(mi.)	Property-1/4	1/4-1/2	1/2-1	>1	Total
NPL	1	0	0	0		0
RCRIS_TS	1	0	0	0		0
CERCLIS	1	0	0	0		0
NFRAP	1	0	0	2		2
RCRIS_LG	1	0	0	6+5unplottable		11
RCRIS_SG	1	0	0	5		5
DOCKET	1	0	0	0		0

TRI	1	0	0	1+3unplottable		4
FRDS	1	0	0	7		7
ERNS	1	0	0	0		0
FINDS	0.25	0	0	0+5unplottable		5
OPENDUMP	insufficient data	=	=	=		0
NUCLEAR	insufficient data	=	=	=		0
HWS	1	0	0	6+2unplottable		8
LRST	1	0	0	3		3
SWF	1	0	0	2		2
RST	1	0	0	4+6unplottable		10
CORTS	1	0	0	1		1
HWIS	1	0	0	7+5unplottable		12
SPILLS	1	0	0	2		2
OGW	1	0	0	0		0
SWAT	1	0	0	0		0
WDS	1	0	0	2		2
TOTALS		0	0	74	0	74

†Note: Definitions of the record sources are provided in the Database Reference Guide in Appendix C.

Table 3-4 provides a summary of all the environmentally significant sites and features arising of from the supplemental electronic database search within a radius of 1 mile.

Table 3-4
SITES OF ENVIRONMENTAL SIGNIFICANCE (Additional Records Search)

Record Sources †	Site(s) Found ††
NFRAP - No Further Remedial Action Planned Sites	Tamco 12459 Arrow Highway, Rancho Cucamonga Preliminary Assessment 6/21/94 Pacific Recycling Enterprises 13012 Wittram Avenue, Rancho Cucamonga Preliminary Assessment 9/22/1993

Table 3-4
SITES OF ENVIRONMENTAL SIGNIFICANCE (Additional Records Search)

Record Sources †	Site(s) Found ††
RCRIS - LG Federal RCRA Large Quantity Generators List	Russel Stanley West Inc 9449 Santa Ana Ave., Rancho Cucamonga Tamco 12459 Arrow Highway, Rancho Cucamonga Ameron So.Cal. Div. (2 listings) 12455 Arrow Route, Etiwanda Big Three Industries Inc. 12550 Arrow Route, Etiwanda Viana Tool & Machine 8909 Rochester Ave., Rancho Cucamonga Litnonia Hi Tek Fixtures West 9000 Roschester Ave., Rancho Cucamonga National Can Corp. 8939 Etiwanda Ave., Etiwanda Ferromet, Inc 8822 Etiwanda Ave., Etiwanda California Home Brands Inc. 8930 Etiwanda Ave., Etiwanda Southern California Edison 8986 Etiwanda Ave., Etiwanda
RCRIS-SG Federal RCRA Small Quantity Generators List	5 sites in a 1 mile radius none of significance
TRI - Toxic Release Inventory System	Tamco 12459 Arrow Highway, Rancho Cucamonga
FRDS - Federal Reporting Data System	7 sites at 0.845 miles from EGS none of significance

Table 3-4
SITES OF ENVIRONMENTAL SIGNIFICANCE (Additional Records Search)

Record Sources †	Site(s) Found ††
FINDS - Facility Index System	Ferromet, Inc 8822 Etiwanda Ave., Etiwanda California Home Brands Inc. (2 listings) 8930 Etiwanda Ave., Etiwanda Southern California Edison 8986 Etiwanda Ave., Etiwanda Ameron So.Cal. Div. 12455 Arrow Route, Etiwanda
HWS - Hazardous Waste Sites	Ameron Steel Wire Div. (2 listings) 12455 Arrow Route, Etiwanda Metal Reclamation Co. 12945 Arrow Route, Etiwanda Tamco 12459 Arrow Highway, Rancho Cucamonga Big Three Industries Inc. 12550 Arrow Route, Etiwanda Industrial Asphalt #3 12052 Arrow Route, Etiwanda Ferromet, Inc 8822 Etiwanda Ave., Etiwanda Sonnys Metal Products 8822 Etiwanda Ave., Rancho Cucamonga
LRST - California Leaking Underground Storage Tank Report	Tamco 12459 Arrow Highway, Rancho Cucamonga Status: case closed Ameron Steel Wire Div. 12455 Arrow Route, Etiwanda Status: Remediation Plan Ryder Truck Rentals 9366 Santa Anita Ave, Rancho Cucamonga Status: case closed

Table 3-4
SITES OF ENVIRONMENTAL SIGNIFICANCE (Additional Records Search)

Record Sources †	Site(s) Found ††
SWF - California Solid Waste Information System	California Tire Recycling Systems 8687 Pecan Ave., Rancho Cucamonga (waste tire location) TYRES Inc. 8615 Pecan Ave., Rancho Cucamonga (waste tire location)
RST - State Registered UST Lists	10 locations within 1 mile (see detailed RST data report in Appendix C) Status : 10 Owners Listed - 22 active tanks
CORTS - California Cortese List (Hazardous Waste and Substance List)	Ameron Steel Wire Div. 12455 Arrow Route, Etiwanda (leaking tank)
HWIS - California Hazardous Waste Information System	12 Facilities within 1 mile
SPILLS - Spills, Leaks, Investigations and Cleanup Reports	Tamco 12459 Arrow Highway, Rancho Cucamonga Status: closed Parallel Products 12281 Arrow Route, Etiwanda Status: closed
WDS - California Waste Discharge System	Ameron Pipe Corp. 12455 Arrow Route, Etiwanda Parallel Products 12281 Arrow Route, Etiwanda (see detailed report Appendix C)

† Note: Definitions of the record sources are provided in the database reference guide in Appendix C.
†† Details of the facilities found are included in Appendix C.

A more detailed description of the environmentally significant sites found in the search, including the owner's name, facility names, addresses, distance, and direction from the EGS, and current status of environmental conditions, are provided in Appendix C.

The detailed database findings in Appendix C include a category of "unplottable" sites that could not be mapped on Figure 3-1 because the database information was not accurate enough to positively identify the site locations. These sites have been checked manually for actual locations and are included in the above tables, if appropriate.

3.2 EDISON RECORDS REVIEW

The following is a list of existing environmental records pertaining to the EGS provided by Edison and reviewed by CH2M HILL prior to the site reconnaissance and during the preparation of this report.

- Spill Prevention and Countermeasure Plan - Etiwanda Generating Station, dated October 1994
- Oil Pollution Act Contingency Plan, EGS, dated September 1994
- Non-Reclaimable Waste System Discharge Permit, EGS, dated April 1991
- Hazardous Waste Generator Permit, dated 1995
- Underground Storage Tank Permits, dated 1996
- Business Emergency Contingency Plan
- Hazardous Materials Inventory Forms
- Hazardous Materials Release Contingency Plan
- Etiwanda Generating Station - Plot Plan

Additional documentation from the Edison geotechnical group files was reviewed during a visit to Edison headquarters. These files included the following:

- Hydrocarbon Contaminated Soil Remediation Alternatives, dated March 27, 1991
- EGS Septic System Improvements - Letter dated April 1996
- Baseline Tank Study Report, Southeast, Southwest, and Distillate Oil Storage Tanks, EGS, dated August 31, 1995
- Underground Storage Tank Permit Application Forms
- Underground Tank Removal Documentation, 550 gallon unleaded gasoline

The significant results from the review of these documents are described below.

The EGS is in operation or on standby status at all times. Units 3 and 4 are normally operating, while Units 1 and 2 are on 24-hour stand-by. Of the six fuel oil tanks at EGS, only two tanks, the southwest and the southeast tank, are in operation. The remaining fuel oil storage tanks are out of service. Integrity testing and double-bottoming is planned by Edison for the two displacement oil tanks and the southwest tank in 1996 and 1998, while the southeast tank will be removed from service by 1999. Fuel oil is delivered to the EGS through the Edison Pipeline and Terminal Company (EPTC) fuel oil pipeline located on the west side of the station. This pipeline is cathodically protected. A distillate fuel tank for Unit 5 is located in the southeast corner of the station.

There is one 550-gallon underground gasoline storage tank at the EGS, located between Units 1 and 2 and 3 and 4. Edison reported the tank to be double-wall fiberglass construction with an annular space leak detection system.

In an Edison file memorandum dated February 28, 1991, regarding hydrocarbon contaminated soil at the EGS, it was reported that transformer leakage had generated approximately 80 tons of transformer oil-contaminated soil. In the same memorandum, it was reported that the station had generated approximately 270 tons of oily sludge from the clean-out of the retention basin. Documentation detailing the remedial alternatives and costs for disposal of the hydrocarbon contaminated soil found that the materials were "non-hazardous," but contained high levels of hydrocarbons. Offsite thermal treatment was the recommended method of disposal. No detailed records of the offsite disposal were available.

Edison records dated April 17, 1996, detailed the alternatives considered for resolving a septic system backup problem at the EGS. The records indicated that Units 1 and 2 septic system constructed in 1951 had experienced a recent backup of sewage in the lines during periods of heavy rainfall. The EGS sewage system consists of a 7,000-gallon septic tank and five in-line 3,000-gallon seepage pits downstream of the septic tank. The seepage pits are located in the parking area east of the Shop Building. The selected alternative was to pump out the seepage pits and introduce a bacteria treatment to breakdown the build-up of organic residue on the walls of the seepage pits. Followup with Edison by CH2M HILL determined that the system was reported to be currently operating without problems.

Review of a baseline tank study report completed by Edison on August 31, 1995, concluded that some hydrocarbon-affected soils exist within the top 12 inches of soil beneath the southeast, southwest, and distillate storage tanks. Based on the reported laboratory results of soil sampling, Edison concluded that the hydrocarbon concentrations were below regulatory guidance levels. Edison reported that the oil had been applied to the tank foundation during installation of the tanks for corrosion protection. Edison recommended no further action be taken and that the soils be left in place. Groundwater was reported to be greater than 300 feet below ground surface. Ultrasonic testing of the tank bottoms performed by Edison did not indicate the presence of extensive corrosion.

Records of the removal of one UST from the EGS were reviewed. The tank was a 550-gallon underground unleaded gasoline tank. The UST failed a leak test in April 1985 and was removed in March 1986. An investigation of the UST site identified the presence of low levels of hydrocarbons in the top 10 feet of the excavation (11 parts per million). The report concluded that the hydrocarbon contamination would not migrate to the groundwater table and no remedial action was recommended.

3.3 PHYSICAL SETTING RECORD SOURCES

Review of existing records and geotechnical reports at the site indicates that the geologic conditions at the EGS consist of deep natural alluvial deposits. Records indicate the area is an alluvial fan created by deposits of sands and gravels from the San Bernardino Mountains extends to a depth of over 300 feet. Soil conditions consist mainly of well graded sand and gravely sand to a 40-foot depth. Depth to groundwater was reported to average 340 feet below ground surface. Groundwater is used to supply make-up water at the EGS.

3.4 HISTORICAL USE INFORMATION

3.4.1 Historical Air Photos

Aerial photographs for periods ranging from 1993 to 1952 were reviewed for evidence of apparent recognized environmental conditions. Air photos were reviewed at Continental Aerial Photo Inc. in Los Alamitos, California and the Department of Geology, Whittier College, Whittier, California. Air photos from multiple years were reviewed, and the results are as follows:

5-13-93 No change from present-day configuration at the station. No change to present land use in adjacent properties.

5-25-90 No significant change from present-day configuration at the station. No change to present land use in adjacent properties.

12-30-86 No change from present-day configuration at the station. No change to present land use in adjacent properties.

1-1-90 No significant change from present-day configuration at the station. No change from present land use in the adjacent property to the north. Areas to the south of the EGS that were visible as industrial developments in more recent years photographs are undeveloped in this year.

1-2-83 No significant change from present-day configuration at the station. No change from present land use in adjacent property to the north. Areas to the south of the EGS that were visible as industrial developments in more recent years photographs are undeveloped in this year. Areas to the east are still visible as industrial/commercial developments in this year.

1-1-80 No significant change from present-day configuration at the station. No change from present land use in adjacent property to the north. Area to the south that was observed as industrial use in 1983 is undeveloped in this year.

1-14-74 No significant change from present-day configuration at the station. No change to land use in adjacent properties from more recent years photo.

3-3-71 No significant change from present-day configuration at the station. No change from land use in adjacent properties from more recent years photo.

1-30-70 No significant change from present-day configuration at the station. No change to land use in adjacent properties from more recent years photo, except the Ameron facility to the north is less developed than in more recent years photos.

5-8-65 No significant change from present-day configuration at the station except that the peaker unit does not exist in this year. Commercial/ industrial area to the east is less developed than in the more recent years photo.

10-15-59 Units 1 and 2 are developed but 3 and 4 do not yet exist. The cooling towers for Units 3 and 4 do not yet exist. The fuel oil storage area consists of only four large and one small fuel oil tank. The fuel transfer pump station is visible, but the truck fuel loading facility does not exist. The drainage channel through the plant appears larger in size than in more recent years. There are noticeably fewer structures on the plant site. The Ameron Steel smelter is still visible, but the property is far less developed than in more recent years photos.

5-21-49 There is no evidence of the EGS. The property is agricultural use. All areas surrounding the current location of the station are also agricultural use.

A list of additional sources for aerial photographs of the property is included in Appendix D.

3.4.2 Historical Maps

Historical USGS topographic maps were available for 1955, 1961, and 1975 (see Appendix D). No other historical map coverage was available from ERIIS for the EGS site in the map search (see attached confirmation evidence in Appendix D).

The topographic maps for 1955, 1961, and 1975 each show the EGS in its current configuration. The Kaiser Steel Plant is also indicated in its current configuration to the southeast of the EGS in each of the historical maps. Areas to the west of the EGS were shown as farmland in 1955 and 1961. In the 1975 map, additional commercial and light industrial property is shown to the west of the EGS. Areas north and east of the EGS were shown as similar land use in 1955 and 1961; however, in the 1975 map, there is evidence of increased commercial and industrial development to the north and east of the EGS.

SECTION 4
SITE RECONNAISSANCE AND INTERVIEWS

4.1 SITE INTERVIEWS

A site visit was performed on Tuesday June 11, 1996, from 8:00 a.m. to 11:30 a.m., that included interviews with Edison representatives and a site walk of the EGS property. Those in attendance and the company they represent were as follows:

Rob Lowey/CH2M HILL
Paul Lacroix/Edison, EGS Environmental Compliance Specialist
Ralph De La Parra/Edison, Supervisor of Environmental Engineering
Greg Hoxeng/Edison, Engineer 1 Steam Generation Division

The site visit began with an informal meeting/interview with Edison representatives to discuss questions arising from the records review. The questions asked and information requested by CH2M HILL followed by Edison's reply are presented below.

1) CH2M HILL requested information on leases at the EGS, including land use and activities of current leases.

   - The EGS staff reported that there are no current leases on the station property.

2) CH2M HILL asked EGS staff for inventories of historic USTs and specific information regarding location, type of service, removal dates, leak history, soil removal/remediation activity, and regulatory closure status.

   - The EGS has one 550-gallon underground storage tank that contains unleaded gasoline. The tank is double-walled fiberglass with an automatic leak detection systems. Edison staff reported that when the current UST was installed, an investigation found low levels of petroleum contamination in the soil from the former tanks installed at the same location (refer to Section 3.2). Edison staff reported no leaks or contamination from the existing UST.

3) CH2M HILL requested information regarding past uses of PCBs in electrical equipment, transformers, including any storage/maintenance areas.

   - Edison staff reported that all PCBs were removed from station transformers and equipment during a retrofilling program conducted by Edison. PCB-containing oils from the transformers were reported to have been transferred offsite and properly disposed. Edison staff reported that PCB concentrations in all transformers are currently below the regulated limits.

4) CH2M HILL asked EGS staff if a fire-training area ever existed at the site.

   - Edison reported that, to their knowledge, no fire-training area ever existed at the EGS.

9) CH2M HILL requested information regarding the water supply and wastewater discharge requirements at the facility.

- The EGS has three wells that supply water for potable, service, and process requirements. The EGS also receives water via an aqueduct system and has a ranking of Commercial Business #1 (CB1). The cost of the aqueduct supply varies significantly, and is not utilized much in the summer due to higher costs.
- The boiler wash basin and the wastewater retention basin make up part of the wastewater discharged to the Chino Basin Municipal Water District (CBMWD). Edison staff reported that a permit was received by the EGS from the CBMWD, however, the permit expired and the station is currently operating under a temporary permit until a new permit is issued. The CBMWD discharges to the Los Angeles County wastewater system as part of the Wastewater Reclamation and Solid Waste Management Group of the County Sanitation Districts of Los Angels County. As such, the EGS does not have a National Pollution Discharge Elimination System (NPDES) permit.
- The EGS operates a cooling water reservoir for water supply to the generating units via a pipeline. This cooling water reservoir is gunite-lined and receives make-up water from the groundwater wells and/or aqueduct system, as required. This water was reportedly not treated by Edison. Cooling water discharges are periodically sampled and analyzed for pH, conductivity, metal, and calcium in accordance with the wastewater discharge permit.
- A demineralizer water basin is located in the south central area of the station. The demineralizer basin is no longer used in the water treatment process because the EGS has started to use a newly installed reverse osmosis (RO) system instead of the demineralizer process. Wastewater from the new RO system is discharged to the demineralizer water basin.

10) CH2M HILL asked EGS staff if a Storm Water Pollution Prevention Plan exists for the station.

- Edison staff reported that a plan exists for the station; however, the plan was not received by CH2M HILL as part of the documentation for review. Edison staff reported that they test the discharge from the EGS and have reported that the past sampling of stormwater runoff from the 30-inch storm drain showed elevated levels of hydrocarbons. Edison staff attributed the hydrocarbons to the offsite oil/filter processor facility and the Ameron plant located north of the EGS. This hydrocarbon contamination has been reportedly traced back through the EGS site to these offsite facilities. Negotiations were reportedly taking place to resolve cleanup and pollution reduction.

11) CH2M HILL requested information regarding petroleum or hazardous materials spills at the facility.

- Edison staff reported no known large spills (greater than 55 gallons) had occurred at the EGS. Small spills that occurred were reported to have been cleaned up.

12) CH2M HILL requested information regarding any soils or groundwater contamination detected at the facility, the status of any investigations or remedial actions of the contamination, and the regulatory status of the contamination.

- Edison staff reported no known soil or groundwater contamination at the EGS.

13) CH2M HILL asked the EGS for information on pipeline testing of existing aboveground and underground pipelines. The question included discussion of corrosion survey, cathodic protection, hydro testing, and leak testing programs.

- Edison staff reported that the pipelines are not integrity tested, however, the underground fuel pipelines were all reported to have cathodic protection.

14) CH2M HILL asked the EGS representatives for any additional relevant historical data on environmental conditions.

- No additional documentation was provided.

4.2 SITE WALK

Following the interview, a site walk was conducted at the EGS site. The site walk was completed by all attendees listed in Section 4.1 above and included all accessible areas of the station. During the site walk, additional questions were asked as observations were made. The results of the site walk are described below.

The site walk began at the top of Units 3 and 4 to get a view of the entire station before observing the site at ground level. The station was visually observed starting at the northwest side and moving in a counterclockwise direction around and through the station facilities and ending at the administration building. Notable features and observations made are described below.

(Note that these observations provide many of the required descriptions and answers to issues as outlined in the ASTM Standard).

- The exterior periphery of the property was visually observed from public roadways from the south on Seventh Street, the east along Etiwanda Avenue, and the north and west during the site walk.
- Interiors of the station structures were observed including occupied structures and a representative number of occupied station control room facilities.
- Units 1 and 2 were reported to be on an operating schedule of 24-hour standby or 5-day standby, while Units 3 and 4 are in operating status.
- The retention basins and demineralizer effluent basin were observed. No odors, evidence of spills, overfilling of the basins, or damage to the basin liners were observed. The demineralizer basin was reported to be used for RO wastewater discharge. Discharges from the retention basins to the CBMWD outfall are monitored in accordance with the station wastewater permit requirements.

- The adjacent Ameron facility and oil/filter processor facility were reported by Edison to have periodic stormwater discharges that flow through the 30-inch storm drain and Chadwick Channel drainage ditch, respectively, onto Edison property. The drainage channel culvert next to the cooling towers was observed by CH2M HILL to contain a liquid that appeared to be oil (see Photo 9, Appendix A). Edison staff reported that the liquid was not from the EGS but from offsite drainage. CH2M HILL observed evidence of minor staining in the ditch upstream and downstream of the culvert.
- In areas further downstream (south) in the Chadwick Channel drainage ditch, CH2M HILL observed discoloration of soils in the ditch and deposits of white and gray-colored residues on the ground surface (see Photos 8 and 20, Appendix A).
- The EGS staff reported that sanitary sewage is discharged to an onsite septic tank and drainage system. The EGS sewage system consists of a 7,000-gallon septic tank and five in-line 3,000-gallon seepage pits downstream of the septic tank located in the parking area east of the Shop Building.
- The only reported UST containing petroleum products at the EGS was located between Units 1 and 2, and Units 3 and 4. This 550-gallon gasoline tank was reported to be registered and was observed to have a leak detection system.
- Edison staff reported that the secondary containment structure for the chlorine tank is suspected to be incapable of containing 110 percent of the volume of the tank if it were to leak or rupture (see Photo 10, Appendix A).
- CH2M HILL observed white powder residue on the ground surface at the location of the sulfuric acid tank (see Photo 11, Appendix A). Edison staff did not know the content or the origin of the material.
- Edison reported that sludge from the cooling towers was historically placed in a sludge leaching basin for liquid extraction prior to sludge disposal. This area is not used anymore; however, the containment berms still exist (see Photo 12, Appendix A). The potential contaminants in the soils from the past practice were reported to be chrome and arsenic from the treated wood used in the cooling towers.
- An earth fill area of unknown origin was observed at the west end of the EGS. Edison reported the area to possibly be a construction debris landfill (see Photo 13, Appendix A).
- The concrete curb containment around the hazardous materials storage area did not appear to be constructed to contain a spill or prevent runoff from migrating from the storage area (see Photo 19, Appendix A).
- The acid, caustic, and demineralizer tanks are still in place; however, they are out of service. The EGS uses a newly installed RO unit for boiler feed water. Backwash from the RO unit is discharged as wastewater to CBMWD.
- The tank farm area has containment berms and perimeter drainage systems. All berms were observed to be in good condition. Visual evidence of a small spill or leak was

observed inside the containment area of the northwest fuel oil tank (see Photo 14, Appendix A).

- A recessed sump valve box located near the fuel oil pumping system was observed to contain an oily substance (see Photos 15 and 16, Appendix A).
- Edison reported that the displacement oil tanks have not yet been integrity tested or double-bottomed. The displacement oil tank maintenance was reported to be handled by Edison Pipeline and Terminal Company (EPTC).
- Stormwater runoff enters floor drains located in the powerblock areas, flows to an oil/water separator, and is then conveyed to the retention basin where oil is skimmed off and disposed offsite. Wastewater from the retention basins is pumped to either of two industrial wastewater pipelines running along the east and west sides of the station. These pipelines discharge to CBMWD.

SECTION 5

FINDINGS AND CONCLUSIONS

CH2M HILL has performed a Phase 1 Environmental Site Assessment at the Etiwanda Generating Station (EGS) property located at 8996 Etiwanda Avenue, Rancho Cucamonga, California in substantial conformance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E1527 and the limitations described in Section 1 of this report. This assessment has revealed the following results in connection with the property. No other recognized environmental conditions or areas of potential concern were identified as a result of the Phase 1 ESA efforts.

Stormwater Runoff Area

The Ameron facility and oil/filter processor facility located north of the EGS were reported by Edison to have periodic stormwater runoff events that flow through a 30-inch concrete drain to the south of the EGS property and into the Chadwick Channel (drainage ditch), located on Edison property. The drainage ditch next to the cooling towers was observed by CH2M HILL to contain a liquid that appeared to be oil. Edison staff reported that the liquid was not from the EGS but originated from offsite drainage. CH2M HILL observed evidence of minor dark staining in the ditch upstream and downstream of the culvert. The oil and soil staining observed in the stormwater runoff area is identified as a recognized environmental condition.

Chadwick Channel

In areas further downstream (south) in the Chadwick Channel drainage ditch, CH2M HILL observed discoloration of soils in the ditch and deposits of white and gray colored residues on the ground surface in the ditch. The observed soil staining and discolored area is identified as an area of potential concern.

Retention Basins

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

Sulfuric Acid Tank Area

A white powder substance was observed on the ground surface by CH2M HILL at the sulfuric acid tank location near the cooling towers. Edison staff could not identify the residue or the origin of the material. This area with an observed white powder substance is identified as an area of potential concern.

Cooling Tower Sludge Leaching Basin

Edison reported that sludge from the cooling towers was historically placed in a sludge leaching basin for liquid extraction prior to sludge disposal. This area is no longer used; however, the area is unlined and the containment berms remain in place. The potential contaminants in the soils from this past practice were reported to be chrome and arsenic from the treated wood used in the cooling towers. Because of the potential for subsurface contamination, the cooling tower sludge leaching basin area is identified as an area of potential concern.

Landfill Area

A landfill area of unknown origin is located at the west end of the EGS. Edison indicated that this fill area could possibly be a construction debris landfill. Because of the potential for subsurface contamination, the landfill area is identified as an area of potential concern.

Containment Area Spill

There was visual evidence of a small spill or leak inside the secondary containment area of the northwest fuel oil tank. The area affected by this observed release is identified as a recognized environmental condition.

Sump Valve Box

Oil was observed in the recessed sump valve box located near the fuel oil pumping system in the tank farm. Because of the potential for soil beneath the sump valve box to be impacted, the sump valve box area is identified as an area of potential concern.

Primary Fuel Oil Pump Area

The primary fuel oil pump area and the truck loading area were reported by Edison staff to be a location of potentially contaminated soils. It is not known whether investigations or remediation has been completed at these locations. Because of the potential for subsurface contamination at these locations, they are identified as an area of potential concern.

Transformers

The transformers at the EGS 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 oil with higher concentrations of PCBs before 1976. No records or reports of spills of oil from transformers were discovered; however, it is possible that spillage or releases of transformer oil could have occurred. Because of the possibility of past releases of PCBs, the transformers are identified as areas of potential concern.

Aboveground Storage Tanks

Review of existing investigation reports indicated that petroleum contamination exists at tank locations at shallow depths. The reports conclude that this petroleum contamination

resulted from the practice of applying oil to tank subgrades for corrosion protection and from some localized spills outside the tanks. Reportedly, the contamination is not attributable to leaking tanks. The reports also conclude that the level of contamination detected is not significant. The Edison reports have recommended that no remedial action be conducted. Although it was concluded in the reports that petroleum concentrations associated with the aboveground tanks were not significant, no regulatory concurrence documentation was available. Therefore, the presence of oil in subsurface soil at the aboveground tank areas is considered a recognized environmental condition.

Powerblocks

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 available. Because the oil could have seeped through cracks or joints in the concrete or through the pores in the concrete, it is possible that there may be contaminated soils beneath the powerblock area. As such, the oil staining in the powerblock areas is identified as an area of potential concern.

Pipelines

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

Cooling Towers

Edison staff reported that wood and concrete in the cooling towers at the EGS can accumulate metals, such as arsenic, as a result of natural concentrations of such metals in the feed-water and changes in water chemistry that occur within the cooling towers. It is possible that soils in the area of the cooling towers may be contaminated as a result of such metals accumulations. Therefore, the cooling tower areas are identified as an area of potential concern.

ETIWANDA GENERATING STATION
PHASE II ENVIRONMENTAL SITE ASSESSMENT
June 6, 1997

Volume 1 of 2
Text, Tables, and Figures

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EXECUTIVE SUMMARY

At the request of Southern California Edison (Edison), Geraghty & Miller, Inc. (Geraghty & Miller) performed a Phase II Environmental Site Assessment (ESA) of the Etiwanda Generating Station located at 8996 Etiwanda Avenue in the City of Rancho Cucamonga, California (Figure 1, Site Location, and Figure 2, Site Location and Sample Locations). The Etiwanda property has been operated by Edison as an electric generating station since 1953. The Phase II ESA was performed to evaluate the environmental condition of the Etiwanda Generating Station by investigating further evidence of "recognized environmental conditions" and "areas of potential concern" identified in the Phase I ESA Report (CH2M Hill 1997) and during performance of the Phase II investigation. The primary objective of the Phase II ESA was to determine whether any action is required to address hazardous substances or petroleum products at locations identified during performance of the Phase II ESA as recognized environmental conditions and areas of potential concern at the Etiwanda Generating Station and adjacent Edison-owned properties. A secondary objective was to obtain limited additional information pertaining to the nature and extent of contaminants identified.

To address these objectives, the following major activities were conducted:

- A review of readily available existing documentation of past and present site usage and of relevant investigations, including review of available Edison and several regulatory agency files.
- Interviews with several appropriate Edison staff to obtain additional information.
- Preparation and implementation of a Sampling and Analysis Plan to investigate the potential for contamination in soil and groundwater (see Section 1.1, Purpose and Scope) and, if contamination was detected, to provide information regarding the nature and extent of contamination where possible and within the scope of the Phase II investigation. Concentrations of chemical constituents were compared to predetermined screening criteria to evaluate their significance.

The methods, results, conclusions, and recommendations of the Phase II ESA are presented in this report. At Edison's request, groundwater sampling and analysis were outside the scope of work for this Phase II investigation. The following is a brief summary of the results and conclusions of the Phase II ESA:

- A total of 31 site features, with the potential for historic or current releases of hazardous substances or petroleum products at the Etiwanda Generating Station and adjacent Edison-owned properties, have been identified on the basis of a Phase I ESA (CH2M Hill 1997) and on the basis of this Phase II ESA conducted by Geraghty & Miller.
- Two site features are not addressed in the Phase II scope of work because of on-going, concurrent investigations that are being conducted independently by Edison. As a result, no conclusions are made in this Phase II ESA for these two site features.

- Two of the site features are related to groundwater issues. Because the Phase II ESA scope was limited to review of available documents only, no conclusions or recommendations are made in connection with groundwater issues for these two site features.
- Three of the site features were combined with other site features during the Phase II investigation.
- Six site features were identified as having arsenic concentrations in soil above the screening criteria. It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.
- Four of the site features are recommended for no further action at this time; however, agency negotiation, additional investigation, and/or remediation may be necessary or appropriate as part of decommissioning of generating station equipment currently in operation at the feature.
- Fourteen site features are recommended for no further action based on results of the Phase II investigation.

Based on validation of laboratory analyses of soils conducted for this Phase II ESA, the quality of analytical work performed was acceptable and was sufficient to meet the requirements of the Sampling and Analysis Plan (SAP) and the Quality Assurance Project Plan (QAPP). The overall project data objective, to collect data of technical soundness and legal defensibility, was achieved.

1.0 INTRODUCTION

Southern California Edison (Edison) owns and operates an electric generating station located at 8996 Etiwanda Avenue in the City of Rancho Cucamonga, California (Figure 1, Site Location). At the request of Edison, CH2M Hill conducted a Phase I Environmental Site Assessment (ESA) (CH2M Hill 1997) of the Etiwanda Generating Station to achieve the following objectives:

- Provide factual information that may be considered in an appraisal of the facility and adjacent property.
- Provide factual information that may be factored into an application for rate recovery in connection with the environmental conditions at the facility.
- Assist in providing full disclosure of environmental conditions to prospective buyers of the facility.

The Phase I ESA identified several "recognized environmental conditions" and areas of potential concern. Pursuant to the American Society for Testing and Materials (ASTM) Standards on Environmental Site Assessments for Commercial Real Estate, E 1527-94 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM 1994) a "recognized environmental condition" means 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 material risk of harm to public 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.

Because evidence of several recognized environmental conditions and areas of potential concern were identified in the Phase I ESA, Edison requested that Geraghty & Miller, Inc. (Geraghty & Miller) perform a Phase II ESA at the Etiwanda Generating Station. This report is organized into the following general sections:

- INTRODUCTION—This section presents the purpose and scope of the Phase II ESA, a description of the facility, and a summary of the site features investigated.
- METHODOLOGY—This section presents a summary of previous environmental investigations, interviews conducted with Edison staff, and a summary of the basis of work and field activities performed by Geraghty & Miller at the Etiwanda Generating Station.
- RESULTS AND DATA EVALUATION—This section presents a summary of the data and findings, including: a summary of the local topography, geology and hydrogeology, analytical results of soil samples, and data validation

documentation. This section also describes the criteria used to screen the analytical data and provides an assessment of environmental conditions.

- CONCLUSIONS AND RECOMMENDATIONS—This section summarizes the findings and conclusions of the Phase II ESA and provides recommendations on a feature- or area-specific basis.
- LIMITATIONS—This section provides the limitations on the information and data collected for the Phase II ESA.
- REFERENCES—This section lists bibliographic information on references cited in the Phase II ESA.

1.1 Purpose and Scope

The purpose of the Phase II ESA performed at the Etiwanda Generating Station was to evaluate the environmental condition of the facility by investigating further evidence of recognized environmental conditions identified in the Phase I ESA Report (CH2M Hill 1997) and during performance of the Phase II ESA. The primary objective of the Phase II ESA was to determine whether any action is required to address hazardous substances or petroleum products at locations identified as recognized environmental conditions and areas of potential concern at the Etiwanda Generating Station and adjacent Edison-owned properties. A secondary objective was to obtain initial information pertaining to the nature and extent of contaminants identified.

To address these objectives, the following major activities were conducted:

- A review of readily available existing documentation of past and present site usage and relevant investigations including review of available Edison and regulatory agency files;
- Interviews with appropriate Edison staff to obtain additional information and the status of on-going investigations; and
- Preparation and implementation of a Sampling and Analysis Plan to investigate the potential for contamination in soil and, if contamination was detected, to provide information regarding the nature and extent of contamination where possible within the scope of the Phase II investigation. The following sampling and analysis program was implemented at the Etiwanda Generating Station by Geraghty & Miller:
  - One hundred seven soil borings were advanced using a hand auger or a hollow stem auger drill rig.
  - One hundred ninety-six soil samples were collected from these soil borings and analyzed for constituents that would be expected to be associated with generating station activities or past uses at the location being investigated.
  - Concentrations of chemical constituents were compared to predetermined screening criteria to evaluate their significance.

- Groundwater investigation was limited to reviews of available documentation and Santa Ana Watershed Project Authority (SAWPA) files and interviews with Edison personnel, because of on-going, concurrent investigations that are being conducted independently by Edison.

1.2 Site Location and Description

Edison currently owns and operates an electric generating station in the City of Rancho Cucamonga, California. The location of the site is shown in Figure 1. The generating station facilities and site layout are shown in Figure 2. In this report, four steam turbine power generators are referenced by their unit numbers. In Figure 2, their locations are shown by these unit numbers and the word "Powerblock." Other installations, such as Cooling Towers, are also labeled with the number of the unit which they serve.

The Etiwanda Generating Station is located at 8996 Etiwanda Avenue. The generating station is approximately 230 acres in size and is located approximately 3 miles north northwest of the Interstate (I)-10 and I-15 interchange.

The generating station is adjacent to Edison-owned undeveloped property on the south and the TAMCO, Ferromet, and Bernell Hydraulics industrial properties to the north. The property's eastern boundary is Etiwanda Avenue. Further east is a former large industrial steel complex operated by Kaiser Ventures, Inc. A portion of the Kaiser Ventures facility is undergoing redevelopment as a motor speedway. To the west, Edison-owned land is primarily vineyard or vacant property.

The current use of the Edison property is an electric power generating facility which utilizes four oil/gas fired boilers for steam generation and a single gas/distillate fired peaker unit. The Etiwanda Generating Station site currently has various storage tanks, equipment, and structures designed to contain petroleum products. These petroleum products include but are not limited to natural gas, No. 6 fuel oil, distillate (jet propellants [JP-5]), lubricating (lube) oil, displacement oil, gear oil, mineral oil, gasoline fuel, and waste oil.

A buried pipeline aqueduct belonging to Metropolitan Water District (MWD) runs east-west through the generating station, beneath Etiwanda Parkway and its extension to the west (Figure 2).

The predominant structures located on the property include large cooling towers, aboveground steel tanks storing petroleum products; process units that include boilers, tanks, and various mechanical equipment and vessels; retention basins; and buildings used for offices and control and maintenance operations.

The term Powerblock refers to the part of the generating station where energy is converted from a fuel (fuel oil, distillate, or natural gas) to electricity. Contained within the Powerblocks are various structures (such as battery rooms, lube oil rooms, elevators, various sumps, and control rooms) and equipment (such as boilers, pre-heaters, blowers, and turbines).

For purposes of this assessment, various engineered installations within the generating station facility and some separable areas of potential environmental concern within and adjacent to the property owned by Edison (as listed in Table 1) are referred to as "features," and are evaluated individually in this report. Chadwick Channel, frequently referred to throughout this report, is an ephemeral stream that bisects the site from north to south.

2.0 METHODOLOGY

This section presents a summary of relevant work previously performed at the facility, interviews conducted with Edison staff, and a summary of the basis of work and field activities performed by Geraghty & Miller at the Etiwanda Generating Station.

2.1 Summary of Previous Environmental Site Investigations

Based on review of the Phase I ESA for the Etiwanda Generating Station (CH2M Hill 1997), other site documents made available to Geraghty & Miller by Edison, and a site walk conducted by Geraghty & Miller, evidence of several recognized environmental conditions and areas of potential concern was identified at the site. Table 1 presents a summary of the site features investigated, and how these features were addressed through implementation of the Phase II work scope. Table 2 summarizes available information from previous site investigations, including areas investigated, media sampled, analyses conducted, analytical results, and reference documents containing the data.

A summary of each previous investigation is included in Section 3.3, Field Activities, Sample Results, and Assessment of Site Conditions, under the name of the location or site feature evaluated in the particular previous investigation. The following subsections of Section 3.3 include a brief description of the pertinent previous investigation and note significant results.

- Section 3.3.4 Aboveground Storage Tanks;
- Section 3.3.5 Underground Storage Tanks; and
- Section 3.3.26 Boiler Chemical Cleaning Basin.

2.2 Summary of Interview and Site Walk Findings for the Generating Station

On September 30, 1996, representatives of Geraghty & Miller participated in a teleconference with a representative of Edison to inquire about details associated with the Etiwanda, Highgrove, and San Bernardino Generating Stations (Edison 1996a).

The conversation that ensued covered topics related to Edison's on-going independent investigations associated with the Retention Basins, and miscellaneous related site information. The issues discussed, questions asked, and responses included:

- Geraghty & Miller requested information regarding the scope of Edison's on-going Retention Basin investigation and the status of these investigations at the Etiwanda Generating Station (see Figure 2 for locations).
  - Edison responded that Edison is under order by the Department of Toxic Substances Control (DTSC) to investigate the possibility that past discharges to the Retention Basins could have involved wastewater with pH values less than 2. Edison has negotiated a Leak Detection Program

with DTSC in lieu of a groundwater monitoring program. Work associated with this program began in December 1995. Edison would provide the workplan for the Etiwanda site (Edison 1996b). Because investigation of the Retention Basins is on-going, assessment of such areas was not included in the Phase II ESA.

Geraghty & Miller conducted an interview and site walk with Edison on October 2, 1996 at the Etiwanda Generating Station (Edison 1996c). The Phase I ESA report and other site documents were discussed and the Edison representative identified areas of concern. These areas of concern included the Scrap Metal Yard, where a mercury-filled ring balance had been observed by Edison; a Septic System for the Peaker Unit; a Septic System for the Unit 3 and Unit 4 control room; possible releases from a below grade pipe from the Unit 4 boiler water blow-down area to Chadwick Channel; the site of a transformer oil release that occurred in 1995; an overflow of the Peaker Unit floor drain sump; possible releases in the Bone Yard (Laydown Area); sulfuric acid release from the tank by Units 1 and 2 and Unit 4 Cooling Towers; suspected releases from the Storage Cooling Water Sludge Dewatering and Boiler Wash Water Storage Area; and discharges from the Former Water Softener and Brine Pit. In addition, an area of Chadwick Channel identified in the Phase I ESA as exhibiting discoloration of soils in the ditch and deposits of white and gray colored residues, was not observed by Geraghty & Miller.

On October 10, 1996, Geraghty & Miller conducted an additional interview and site walk with Edison regarding the Landfill Area, an inactive irrigation stilling well located west of Unit 4 Cooling Tower, and examination of several ring balances in use in the Unit 1 Powerblock (Edison 1996d). Geraghty & Miller reviewed Edison construction drawings for additional information on site features (Edison 1996e).

An interview and site walk with Edison was conducted on October 24, 1996 at the Etiwanda Generating Station (Edison 1996f). The Edison representative assisted in locating the lead-lined acid pipeline as identified on several Edison drawings. During the interview and site walk an Edison representative was contacted for additional insight on the use of acids at the facility. The Edison representative indicated that originally an acid tank for Units 1 and 2 may have been located near the southeast end of Cooling Tower Unit 4 as shown in an Edison drawing.

On January 31, 1997, Geraghty & Miller conducted an interview and site walk with Edison (Edison 1997a). The interview included discussions of the battery rooms for Units 1 and 2 and Units 3 and 4, Agricultural Research Area, Edison's Former Transmission and Substation Division storage area to the southwest, west, and southeast of the generating station, three water supply wells (designated the East Well, Center Well, and West Well), and the western portion of the railroad tracks located along the north boundary of the property. Further review of Edison files was conducted on-site on January 31, 1997.

On May 21, 1997, Edison personnel informed Geraghty & Miller that an incinerator used to burn facility refuse was operated at the Etiwanda Generating Station prior to construction of the Unit 3 Cooling Tower (Edison 1997b). On May 22, 1997 an aerial photograph review was conducted to aid in establishing the location of the incinerator. Areal photographs taken in 1949, 1959, and 1965 were reviewed. The photograph from 1949 does not show any development in the area. The photograph, taken in 1959 prior to construction of the Unit 3 Cooling Tower, shows a structure, approximately 10 feet by 10 feet, located within the footprint of the current Unit 3 Cooling Tower (Appendix A). The observed structure is

isolated from the remainder of the generating station and is accessed by an unpaved road. The photograph does not clearly show the function of the structure. The 1965 photograph shows the Unit 3 Cooling Tower with no evidence of proximal structures. The presumed incinerator was previously located within the boundaries of the Unit 3 Cooling Tower and this area was inaccessible for sample collection.

2.3 Regulatory Agency File Review

Geraghty & Miller reviewed files at four regulatory agencies in January and February 1997. The purpose of the file review was to evaluate environmental conditions in soil and groundwater at the site and surrounding areas and to investigate possible sources of environmental impact to Edison's property from both Edison's operations and activities on neighboring properties. File reviews were conducted at the California Regional Water Quality Control Board - Santa Ana River Basin (CRWQCB), DTSC, County of San Bernardino Department of Environmental Health Services (SB DEHS), and City of Rancho Cucamonga Fire Department.

Files were requested for the Etiwanda Generating Station, properties listed in the Phase I ESA (CH2M Hill 1997) database search, and properties observed during the site walk as potentially impacting the Edison property. Additionally, because SB DEHS files are organized by site location and name, some files for properties located near the Etiwanda Generating Station, but not specifically requested, were also reviewed.

2.3.1 Etiwanda Generating Station

To confirm and clarify previously provided information and to evaluate events of environmental significance at the Etiwanda Generating Station, the agencies listed in the following sections were contacted. Based on the information reviewed at these agencies, no additional areas of potential concern were identified at the Etiwanda Generating Station. Additionally, no documentation of the impacted soils described in Section 2.3.1.3 was found within agency files.

2.3.1.1 California Regional Water Quality Control Board

Geraghty & Miller reviewed Etiwanda Generating Station files at the CRWQCB office in Riverside on January 8 and 9, 1997. Although the CRWQCB maintains files on this property, the available information was not relevant to this evaluation.

2.3.1.2 Department of Toxic Substances Control

Geraghty & Miller reviewed Etiwanda Generating Station files at the DTSC, Region 4 office in Long Beach on January 28, 1997. A spill of oil containing polychlorinated biphenyls (PCBs) is referenced in a document dated December 23, 1983. Follow-up questioning of Edison staff regarding this reported PCB release did not produce information regarding location or corrective action taken (Edison 1997c). This reported spill was not considered further because the reasonably ascertainable information did not provide a location of the spill, quantity of the spill, or any required action by regulating agencies. Other available information at the DTSC was not relevant to this evaluation.

2.3.1.3 County of San Bernardino Department of Environmental Health Services

Geraghty & Miller reviewed Etiwanda Generating Station files at the SB DEHS office in San Bernardino on February 10, 1997. Files at the SB DEHS documented a soil and groundwater investigation conducted in response to an oil and water release, which originated at the TAMCO property located north of the site. The investigation report describes the collection of 167 soil samples throughout Chadwick Channel and the spreading basin at the south end of the site (Goodson 1985). Results are discussed and presented in this report in Section 2.1 and Table 2, respectively. Other SB DEHS Etiwanda Generating Station file information referenced a PCB spill in 1995 and subsequent remedial action. This PCB spill is designated as the feature Site of 1995 Reported Transformer Oil Spill.

2.3.1.4 City of Rancho Cucamonga Fire Department

Geraghty & Miller contacted the Rancho Cucamonga Fire Department office in regards to Etiwanda Generating Station files on February 12, 1997. An incident report of an April 4, 1995 fire at the station was obtained and reviewed. The fire occurred in the switchyard. Follow-up questioning of Edison staff regarding this incident did not produce information regarding materials involved in or impact caused by the fire (Edison 1997d). This reported fire was not considered further because the reasonably ascertainable information did not indicate environmental impact or any required action by regulating agencies.

2.3.2 File Review of Properties Near the Etiwanda Generating Station

Files for the following off-site properties were reviewed: Ameron Steel and Wire, Industrial Wire and Pipe Division, TAMCO, and United Slag Processing, all at 12459 Arrow Avenue; Ameron Pipe at 12455 Arrow Avenue; Ferromet, Inc. at 8822 Etiwanda Avenue; Bernell Hydraulics and Precision Hydraulics, both at 8810 Etiwanda Avenue; Air Liquide America at 12450 Arrow Avenue; and Sterling Can and CHB Foods, Inc., both at 8939 Etiwanda Avenue. Operations at these facilities included recycling scrap metal to produce rebar, pipe and wire manufacturing, automobile disassembly and crushing, oil filter recycling, and can manufacturing and labeling. Files from the CRWQCB, the DTSC, and the SB DEHS contained pertinent information regarding off-site properties and potential impacts to the Etiwanda Generating Station by either surface water flow or groundwater flow.

Most notably, TAMCO, located north and upslope of the Edison property and west of Chadwick Channel, was responsible for the release to Chadwick Channel mentioned in Section 2.3.1.3, and separately, for metals-impacted surface water flow onto Edison property (see Surface Run-On in Figure 2). A report reviewed at both the DTSC and the SB DEHS specifically noted that overflows of cooling towers, clarifiers, and a loading area and surface drainage over slag and baghouse dust piles drained from TAMCO into Chadwick Channel and other areas south of the TAMCO site (URS 1994). These releases prompted an internal Edison investigation of the Chadwick Channel at the Etiwanda Generating Station (Goodson 1985). Results of this investigation are summarized in Table 2 and Section 3.3.2. A separate investigation was conducted to the northwest of the Etiwanda Generating Station, including the northwest portion of the Edison-owned property, a section of Atchison, Topeka and Santa Fe (AT&SF) Railway property (situated between Edison and TAMCO), and the property adjacent to and west of Edison. The latter investigation resulted

in remediation of metals-contaminated soil on the property west of the Edison property in 1990. Results of the investigation at the northwest portion of Edison-owned property were not reasonably ascertainable.

A complaint filed with the CRWQCB by Edison in 1996 also alleged impacted surface-water run-on to Edison property. The complaint alleged that observed oily surface drainage onto Edison property was caused by Ferromet, an automobile disassembly and crushing facility located north and upslope of the Edison Generating Station and east of Chadwick Channel (see Figure 2). Surface water samples from the Ferromet discharge point, which drains to Chadwick Channel, indicated a maximum concentration of oil and grease of 190 milligrams per liter (mg/L).

Also documented at the CRWQCB were events that were not shown to directly impact Edison-owned property, including an unauthorized release on November 23, 1993 at TAMCO and leakage from a brine pond at the Ameron Facility. Documents indicated that remediation of lead in soils southwest of the TAMCO facility (west of Edison-owned property) caused by the TAMCO release was complete by April 28, 1994 and that discharge to the Ameron brine pond ceased in March 1994.

The off-site property files indicated several historical releases to both subsurface and surface soil, some of which directly impacted Edison property. While no significant reference to groundwater impact was noted, subsurface releases represent a potential threat to groundwater quality at the Edison property. Based on the information reviewed at the listed regulatory agencies, impacted surface flow from adjacent properties represents a significant potential source of historical environmental impact to Edison property.

2.4 Summary of Site Walk Findings at Adjacent Properties

Several site walks of the Edison-owned properties adjacent to the generating station were conducted by Edison and Geraghty & Miller personnel. On December 13, 1996, a site walk was conducted at the southern portion of Chadwick Channel (southeast of the southeast fuel oil tank and north of Sixth Street). This southern portion is separate from the rest of the generating station and is enclosed within a chain-link fence. Chadwick Channel bisects the area from the north, where it enters the area in a poorly defined channel which broadens to the south. At the southern property boundary, Chadwick Channel is controlled by a concrete weir that is approximately 25 feet in width. Water flowing in Chadwick Channel is retained in the flat lying area identified as the spreading basin in site documents and shown in Figure 2. The weir is raised about 4 inches above the surrounding ground surface. Water passing over the weir flows into a concrete catch basin connected to a storm sewer which extends beneath 6th Street. During the several days prior to the site walk, rain had fallen at the site. No flow was observed in Chadwick Channel on the day of the site walk; however, water was retained by the weir to a depth of several inches. The flat lying area is vegetated with grasses, shrubs, and trees some extending to a height exceeding 15 feet.

Within the enclosed area surrounding Chadwick Channel, debris was observed in the northwest central portion of the area. Broken pieces of concrete, sheet steel, and glass were among the materials present at the ground surface. The debris comprised an area of approximately 20 feet by 30 feet. A standpipe approximately 6 inches in diameter was observed, which appeared to be an observation well. The standpipe was not opened during the site walk.

Adjacent to and west of the enclosed area described above is an area that was used in the past to conduct agricultural research, as reported by Edison (Edison 1996g). The area displays remnants of cultivation of several types of shrubs and trees. Edison reported that the research included application of boiler condenser water, which had undergone some form of pretreatment, to the agricultural land. The quantity of water applied and the duration of research are not known.

West of the Agricultural Research Area, extending to south and west of the southeast fuel oil tank, is a Utility Pole Storage area previously used by the Edison Transmission and Substation Division. This area was reportedly used for storage of equipment and wooden power poles. Aerial photographic survey conducted in 1995 (ATS 1995) shows the presence of power poles in the subject area.

On December 19, 1996, Geraghty & Miller conducted a site walk of a publicly-accessible area north of the Etiwanda Generating Station. The area observed was along the access road to the Ferromet, Inc. and Bernell Hydraulic, Inc. facilities located just north of the AT&SF railroad line, which marks the northern border of the generating station. A catch basin was observed which directs surface runoff from a portion of Ferromet and Bernell Hydraulics properties to the Etiwanda Generating Station. No staining of the soil surrounding the catch basin was observed. The Ferromet facility appeared to be the primary contributor to surface runoff that is directed to the drain, based on the area of catchment.

On January 31, 1997, Geraghty & Miller conducted a site walk of the Edison-owned properties south and west of the Etiwanda Generating Station. Specific areas examined included the Agricultural Research Area, Utility Pole Storage Area, rail siding (at the northwest corner of the property), and the area in the vicinity of the East Well (see Figure 2).

Three concrete pads were observed in the eastern portion of the Agricultural Research Area. The largest pad was approximately 8 feet long and 4 feet wide with a corrugated metal standpipe protruding up from the pad and extending several feet beneath the ground surface. Water was observed in the base of the standpipe at a depth of about 4 feet beneath the ground surface. Approximately 150 feet south and west of the concrete pad were several small piles of debris. Further west another 150 feet (approximately 100 feet south of the containment for the southwest fuel oil tank), a pit, soil pile, wooden frame, and remnants of a weather station were observed.

Evidence of a utility pole storage area was observed southwest of the southwest fuel oil tank. Several utility poles composed of concrete were observed along with wooden cases reportedly used to house transmission line insulators.

The Vineyard Water Tank was observed in the area south of the switchyard near the East Well. The structure, 16 feet by 16 feet and approximately 8 feet tall, had an earthen floor and a 2-inch diameter pipe protruding from the southeastern wall. An unnamed ephemeral stream (Surface Runoff in Figure 2) was observed near the East Well. The channel which contains surface runoff from the eastern portion of the Etiwanda Generating Station was intended to flow to the east beneath Etiwanda Avenue. Plant matter observed in the channel indicated that flow had been diverted to the south beneath Sixth Street.

Another unnamed ephemeral stream was observed along the west side of the western fence line of the Etiwanda Generating Station (Surface Runoff in Figure 2). Surface runoff from a portion of the AT&SF rail line and a portion of the vacant Edison property west of the Etiwanda Generating Station contributes to the channeled flow. The southernmost segment of the channel (north of Sixth Street) is concrete lined and an additional portion is bordered in boulder-sized rip rap.

2.5 Basis of Work and Field Activities

The Phase II ESA investigation was performed in accordance with the Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP), Phase II Environmental Site Assessments, Edison Generating Stations, dated October 18, 1996, prepared by Hydro-Search, Inc., CH2M Hill, and Geraghty & Miller (Hydro-Search, CH2M Hill, Geraghty & Miller 1996) and the SAP Addendum, dated January 13, 1997, prepared by Geraghty & Miller (Geraghty & Miller 1997). Modifications and deviations from the SAP and the rationale for the deviations are summarized below.

Boring locations shown on Figure D3 and listed in Table D3 of the SAP (Hydro-Search, CH2M Hill, Geraghty & Miller 1996) and the SAP Addendum (Geraghty & Miller 1997) identified the general locations of proposed borings. In many instances, the exact locations could not be definitively sited until after a geophysical survey and more intensive site walks were conducted. The following modifications to the SAP reflect this.

- The proposed sampling location for CT3-3, at the southwest corner of the Unit 3 Cooling Tower, was relocated to the northwest of the same tower. The rationale for moving this location from that proposed was to be more representative of a possible release of Cooling Tower water.
- The proposed sampling location for UST-1, south of the existing carport, was relocated to the north and east in the same area. The rationale for moving this location was to more accurately sample according to site drawings and information gained during the geophysical survey.
- The proposed sampling depths for NEFO-1, NEFO-2, NWFO-1, NWFO-2, NWFO-3, CEFO-1, and CEFO-2 at the fuel oil tanks were 0.5 foot and 5 feet. Samples were collected at 0.5 foot and 4 feet below ground surface (bgs) because gravel encountered at 3 to 4 feet bgs caused collapse of boring walls and made sample collection of deeper soil difficult.
- The proposed sampling location for CWFO-2, east of the center west fuel oil tank, was relocated to the north of the same tank. The rationale for moving this location from that proposed was to be more representative of a possible release of oil. Proposed sample depths were 0.5 foot and 5 feet; however, samples were collected at 0.5 foot and 4 feet bgs because gravel encountered at 3 to 4 feet bgs caused collapse of boring walls and made sample collection of deeper soil difficult.
- The proposed sampling location for CWFO-3, southwest of the center west fuel oil tank, was relocated to the south of the same tank. The rationale for moving this location from that proposed was to be more representative of a possible release of oil. Proposed sample depths were 0.5 foot and 5 feet; however,

samples were collected at 0.5 foot and 4 feet bgs because gravel encountered at 3 to 4 feet bgs caused collapse of boring walls and made sample collection of deeper soil difficult.

- The proposed sampling location for CEFO-1, west of the center east fuel oil tank, was relocated to the southwest of the same tank. The rationale for moving this location from that proposed was to be more representative of a possible release of oil. Proposed sample depths were 0.5 foot and 5 feet; however, samples were collected at 0.5 foot and 4 feet bgs because gravel encountered at 3 to 4 feet bgs caused collapse of boring walls and made sample collection of deeper soil difficult.

- The proposed sampling location for CEFO-3, southeast of the center east fuel oil tank, was relocated to the east of the same tank. The rationale for moving this location from that proposed was to be more representative of a possible release of oil. The sampled location was at the site of stained soils beneath the termination of an aboveground pipe from the displacement oil storage tank area. Proposed sample depths were 0.5 foot and 5 feet; however, samples were collected at 0.5 foot and 4 feet bgs because gravel encountered at 3 to 4 feet bgs caused collapse of boring walls and made sample collection of deeper soil difficult.

- The proposed displacement oil storage tank (COS) sampling designation for CO-1 and CO-2 as shown on Figure D2 of the SAP should have been identified as COS-1 and COS-2 to be consistent with Table D3. At sampling location COS-1, proposed sample depths were 0.5 foot and 5 feet; however, samples were collected at 0.5 foot and 6 feet bgs to evaluate soil quality beneath the base of the sump.

- The proposed sampling location for COS-2, northeast of the displacement oil storage tank (see designation CO-2 on Figure D2 of the SAP), was relocated to the west of the east displacement oil storage tank to accommodate access by the hollow-stem auger drilling rig.

- The proposed sampling location for SYP-2, in the west central portion of the Switchyard, was relocated further north in the same area. The rationale for moving this location from that proposed was to be more representative of a possible release of transformer oil or Cooling Tower fallout.

- The proposed sampling location for SYP-6, in the south east portion of the Switchyard, was relocated further west in the same area to the location of evidence of surface runoff. The rationale for moving this location from that proposed was to be more representative of a possible release of transformer oil or Cooling Tower fallout.

- The proposed sampling location for PB-1, north of the south sump for Unit 4 Powerblock, was relocated further north to south of the secondary fuel oil sump. The rationale for moving this location from that proposed was to be more representative of a possible release of sump fluids. The original proposed location of PB-1 was deemed redundant with sampling location PBT-6.

- The proposed sampling location for PB-3, west of the secondary fuel oil sump, was relocated north to east of the Units 3 & 4 oil/water separator. The rationale for moving this location from that proposed was to be more representative of a possible release of sump fluids. The PB-3 location was also renamed PB-4.
- The proposed sampling location for PB-4, at the east perimeter of the Units 3 & 4 Powerblock, was renamed PB-3.
- At sampling location PB-4, proposed sample depths were 0.5 foot and 5 feet; however, samples were collected at 0.5 foot and 7 feet bgs because this boring was to investigate a sump whose floor was deeper than 5 feet bgs. Geraghty & Miller attempted to collect a sample from 10 feet bgs, but auger refusal occurred at 7.5 feet bgs and the 7-foot sample was collected.
- At sampling location PB-5, proposed sample depths were 0.5 foot and 5 feet; however, samples were collected at 0.5 foot and 4.5 feet bgs because of auger refusal at 4.5 feet bgs.
- The proposed sampling location for PB-6, north of the sump for Unit 1 Boiler, was relocated further south and west to south of the sump for Unit 2. The rationale for moving this location from that proposed was to be more accessible and equally or more representative of a possible release of sump fluids. Proposed sample depths were 0.5 foot and 5 feet; however, samples were collected at 0.5 foot and 10 feet bgs because this boring was to investigate a sump whose floor was deeper than 5 feet bgs. The 10-foot sample was intended to evaluate possible soil impacts resulting from the sump.
- The proposed sampling location for PB-7, east of the east perimeter of the Unit 1 Powerblock, was relocated further west in the same area. The rationale for moving this location from that proposed was to be more representative of a possible release of contaminants.
- At sampling location PBT-5, proposed sample depths were 0.5 foot and 3 feet. Samples were collected at 1.5 and 4.5 feet bgs because concrete and base material extended to 1.5 feet bgs. The sample depths were appropriately adjusted to collect soil approximately 0.5 foot and 3 feet below the concrete/soil interface.
- At sampling location PBT-7, proposed sample depths were 0.5 foot and 3 feet. One sample only was collected at 0.5 foot bgs because auger refusal occurred at 1.5 feet bgs.
- The proposed sampling location for PL-1, north of the fuel oil heater, was relocated west to just north of the sump for the pig launching area north of the center west fuel oil tank. This location was designated as PL-4 on Figure D2 of the SAP. The rationale for moving this location from that proposed was because no suitable sampling location could be found in the oil heater area.
- The proposed sampling location for PL-2, at the west end of the below grade primary fuel oil pumping area, was relocated west to just south of the roadway for the west fuel loading rack south of the northwest fuel oil tank. This location was designated as PL-4 on Figure D2 of the SAP. The rationale for moving this

location from that proposed was because no suitable sampling location could be found in the oil heater area.

- The proposed sampling location for PL-3, at the east end of the below grade primary fuel oil pumping area, was relocated west to the southwest corner of the primary pump area beneath an exposed below grade run of the fuel oil Pipeline northwest of the center east fuel oil tank. Fill soil in the area sampled was stained by hydrocarbons. The rationale for moving this location from that proposed was to accommodate sampling an area that had not been fully evaluated during the site walk.

- The designation for the proposed sampling location PL-4, at the pig launching sump west of the primary pump facility (see Figure D2 of the SAP), was changed from PL-1 as shown on Figure D2 of the SAP.

- The proposed sampling location for PL-5, at the east end of an abovegrade fuel oil line north of the warehouse, was relocated to the east end of the primary fuel oil pumping area, north of the center east fuel oil tank. A concrete core was taken at the proposed location; however, coring was discontinued at a depth of 12 inches beneath the concrete surface. This location was then moved to a location east of the firehouse at the southeast corner of the northwest fuel oil tank. The rationale for moving this location from that proposed was to accommodate sampling an area that had not been fully evaluated during the initial site walk, and because no suitable location could be found in the primary fuel oil pumping area.

- The proposed sampling location for PL-6, near the northeast corner of the north wastewater Retention Basin along the distillate fuel Pipeline, was relocated south to just north of the distillate fuel pumping area. The rationale for moving this location from that proposed was to better incorporate information obtained during the geophysical survey into the sampling plan.

- The proposed sampling location for PL-7, south of the Peaker Unit along the distillate fuel Pipeline, was relocated north to just south of the Peaker Unit building where the distillate fuel Pipeline surfaces at a filtration unit. The asphalt surface cover was cut, however, sampling could not be accomplished due to auger refusal on concrete. The sampling location was relocated to a position just south of the parking area on the south side of the Peaker Unit building.

- The proposed sampling location for PL-8, east of the line between the north and south wastewater Retention Basins along the distillate fuel Pipeline, was relocated northwest to a location southeast of the administration building where a lead-lined acid pipeline makes a 90 degree elbow from west to north. The rationale for moving this location from that proposed was to accommodate information obtained during the geophysical survey into the sampling plan. The soil sample collected from this location was evaluated for the presence of California Assessment Manual (CAM) Metals in addition to total petroleum hydrocarbons fuel fingerprint (TPH) as shown on Table D3 of the SAP. Metals were analyzed to assess the impacts of a suspected release of acid.

- The proposed sampling location for PL-9 was not identified in the SAP. In response to the geophysical survey, PL-9 was located west of the existing Scrap Metal Yard where a lead-lined acid Pipeline makes a 90 degree elbow from south to west. The rationale for establishing this location was to evaluate conditions at elbows that may be more susceptible to corrosion or fatigue. The soil sample collected from this location was evaluated for the presence of CAM Metals in addition to TPH as shown on Table D3 of the SAP. Metals were analyzed to show the impacts of a suspected release of acid.

- The proposed sampling location for PL-10 was not identified in the SAP. In response to the geophysical survey, PL-10 was located near the southwest corner of the Peaker Unit building where an overflow Pipeline makes a 90 degree elbow. The rationale for establishing this location was to evaluate conditions at elbows that may be more susceptible to corrosion or fatigue.

- The proposed sampling location identified as PL-11 located east of the Powerblock for Unit 1 on Figure D2 of the SAP was not sampled. Its appearance on Figure D2 was inadvertent and was misrepresented as a proposed sampling location.

- The proposed sampling location for SS-1, east of the existing shops, for investigating a Septic System, was relocated further east in the same area. The rationale for moving this location from that proposed was to be more representative of a possible release of fluids from the sewage piping and the Septic System.

- The proposed sampling location for SS-3, near the northeast corner of the Switchyard, was relocated further east in the same area. The rationale for moving this location was to gain access and be closer to the best estimated location of the septic system dry well.

- The proposed sampling location for SS-5, south of the Unit 3 Powerblock, was relocated further south in the same area. The rationale for moving this location from that proposed was to be more representative of a possible release of septic system fluids.

- The proposed sampling location for SS-6, north of the Unit 3 Powerblock, was relocated further south in the same area. The rationale for moving this location from that proposed was to be more representative of a possible release of septic system fluids.

- The designations of sampling locations presented in the SAP in Table D3 and shown on Figure D2 for the Sulfuric Acid Tanks were changed to make the sample names more logically describe the locations and to be more consistent with the Edison generating units and Cooling Tower (CT) designations. Sampling location designation changes are summarized as follows:

SAP Designation	Revised Designated	Location
SA1-1	SA3-2	CT for Unit 3
SA1-2	SA3-1	CT for Unit 3
SA2-3	SA4-1	CT for Unit 4
SA2-4	SA4-2	CT for Unit 4
SA3-5	SA1&2-1	CT for Units 1 & 2
SA3-6	SA1&2-2	CT for Units 1 & 2

- The proposed sampling location for SA3-1, east of the Sulfuric Acid Tank for the Unit 3 Cooling Tower, was relocated to the south of the same tank. The rationale for moving this location from that proposed was to be more representative of a possible release of acid. Proposed sample depths were 0.5 foot and 5 feet; however, samples were collected at 0.5 foot and 4 feet bgs because of auger refusal at 4.5 feet bgs.

- At sampling location SA3-2, proposed sample depths were 0.5 foot and 5 feet; however, samples were collected at 0.5 foot and 4 feet bgs because of auger refusal at 4.5 feet bgs.

- The proposed sampling location for SA4-1, north of the Sulfuric Acid Tank for the Unit 4 Cooling Tower (see location SA2-3 on Figure D2 of the SAP), was relocated to the south of the same tank. The rationale for moving this location from that proposed was to be more representative of a possible release of acid. Proposed sample depths were 0.5 foot and 5 feet; however, samples were collected at 0.5 foot and 4 feet bgs because gravelly soil caused auger refusal at 4.5 feet bgs.

- The proposed sampling location for SA4-2, east of the Sulfuric Acid Tank for the Unit 4 Cooling Tower (see location SA2-4 on Figure D2 of the SAP), was relocated to the southeast of the same tank. The rationale for moving this location was to be more accessible for hand augering through fill gravel.

- The proposed sampling location for SA1&2-1, east of the sulfuric acid and hypochlorite tanks for the Units 1 & 2 Cooling Tower, was relocated to the south of the Sulfuric Acid Storage Tank. The rationale for moving this location from that proposed was to be more representative of a possible release of acid.

- The proposed sampling location identified as USC-1 located west of the Cooling Tower for Unit 4 on Figure D2 of the SAP was not sampled. Its appearance on Figure D2 was inadvertent and was misrepresented as a proposed sampling location.

- The proposed sampling location PU-1 located within the Peaker Unit building was moved to the west to just north of the high pressure oil pumps. The rationale for moving this location from that proposed was to sample a location where oil was observed to be released from pump and pipe fittings. The proposed sampling depths for PU-1 were inadvertently transposed from proposed sampling depths for PU-3 as shown on Table D3 of the SAP. PU-1 was to be sampled at 0.5, 3.0, and 5.0 feet bgs and PU-3 was to be sampled at 5, 10, and 15 feet bgs.

- The proposed sampling location for PU-2, west of the Peaker Unit building, was relocated to the east. The rationale for moving this location from that proposed was to consider the results of the geophysical survey which identified several underground pipelines in the area.
- The proposed sampling location for PU-3, west of the Peaker Unit building, was relocated to the northeast. The rationale for moving this location from that proposed was to consider the results of the geophysical survey which identified several buried pipelines in the area.
- The proposed sampling location for SMY-1, in the Scrap Metal Yard, was relocated at the southwest corner of the yard. The rationale for moving this location from that proposed was to be more accessible and equally or more representative of a possible release of contaminants.
- The proposed sampling location for BY-3, in the west central portion of the Bone Yard (Laydown Area), was relocated further south in the same area. The rationale for moving this location from that proposed was to be more representative of a possible release of contaminants.
- The proposed sampling location for BY-4, in the southwest portion of the Bone Yard (Laydown Area), was relocated further south and east in the same area. The rationale for moving this location from that proposed was to be more representative of a possible release of contaminants.
- The proposed waste sampling location for HW-1, at the northeast corner of the Hazardous Waste Storage Area, was relocated to the southeast corner of the same area. The rationale for moving this location from that proposed was to be more representative of a possible release of materials. The sample location is downslope of the storage area.
- As a result of review of analytical data of soil samples from location PB-2, two additional Chadwick Channel (CC) borings CCU and CCD were advanced 20 feet north and 20 feet south of PB-2 along Chadwick Channel, respectively.
- As a result of review of analytical data of soil samples from location FBP-1 and FBP-2, the samples collected from 15 feet bgs, which were held by the laboratory, were evaluated for pH. Following pH analysis results, sample FBP-1-15 was evaluated for the presence of CAM Metals.

Deviations from the SAP Addendum and rationale for the deviations are summarized below.

- The proposed sampling location for SD-3, Surface Drainage at the northeast portion of the site, was relocated to the northwest corner of the site (Figure 2). The rationale for this relocation was that insufficient sediment was available for sampling at the initially proposed location and that the eventual sampling location could be used to assess impacts from another point of surface run-on. Impacts from run-on at the initially proposed location would be assessed by sampling at location SD-6.

- The proposed sampling location for SD-6, Surface Drainage at the southeast portion of the site, was relocated from the property perimeter to a point adjacent to the facility fenceline, as shown on Figure 2. The rationale for this relocation was to better assess potential impacts from surface runoff from the Etiwanda Generating Station. Observations during a site inspection indicated that, away from the fenceline, two surface drainage courses channel water offsite. The planned sample location targeted only one course. Rather than collect an additional sample at the other drainage course, the sampling location was moved to the facility fenceline, upstream of the diversion.

- The proposed sample location PL-13 and excavation of a section of the lead-lined acid pipeline near the Brine Pit were relocated to the 90 degree elbow in the Pipeline, about 20 feet to the east of the initially proposed location (Figure 2). The rationale for this relocation was to more accurately, based on the geophysical survey and site drawings, locate the Pipeline and sample surrounding soil.

- As a result of additional site inspection, soil samples were collected from a location inside and outside of the Vineyard Water Tank located in the southeast portion of the site (Figure 2) west of the East Well. Boring CS-1 was located inside the structure and a sample was collected at 0.5 foot bgs. Boring CS-2 was located on the east side of the structure near a steel pipe and samples were collected at 0.5 foot and 3 feet bgs. All three samples were analyzed for pesticides and pH.

3.0 RESULTS AND DATA EVALUATION

This section presents a description of the local topography, geology, and hydrogeologic setting, a brief summary of the field activities performed at the site, soil sample analytical results, a discussion of the results, and soils analytical data validation documentation. The soils analytical data obtained as a result of this Phase II ESA are compared to the screening criteria presented in Section 3.2 and an evaluation is made as to whether or not further action is recommended at each feature investigated

At the request of Edison, Geraghty & Miller did not conduct any Phase II ESA field activities to assess groundwater at the Etiwanda Generating Station because of on-going, concurrent investigations being conducted independently by Edison.

3.1 Site Topography, Geology, and Hydrogeology

The Etiwanda Generating Station site is located in the San Bernardino Valley geomorphic province, which in this area is bounded by the San Gabriel Mountains on the north and the Jurupa Mountains on the southeast. The site is on the gently southward sloping alluvial apron derived from the San Gabriel Mountains. The intermittent surface water course of Day Canyon lies approximately 1/2 mile west of the western boundary of the Etiwanda Generating Station and the intermittent surface water course of San Sevaine Canyon lies approximately 1 mile east of the eastern boundary of the generating station. Within the site, the graded Chadwick Channel is an ephemeral stream, with flow from north to south.

The surface deposits at the site have been mapped as Pleistocene nonmarine deposits and Quaternary alluvium (Rogers 1967), with a north-south lobe of the Pleistocene nonmarine deposits extending through most of the site. Both of these deposits are sandy alluvial fan deposits derived from the San Gabriel Mountains, and the distinction between them is not apparent at present, due to extensive grading. These deposits, which also include gravel and clay horizons, are believed to be about 1,000 feet thick, overlying pre-Tertiary crystalline basement rocks (Woodward-Clyde Consultants 1985).

Groundwater occurs at approximately 385 feet bgs (gauged in 1985) in an unconfined aquifer approximately 600 feet thick. The pre-development groundwater probably sloped in a south - southwesterly direction. Site data do not indicate the presence of perched water zones (Woodward-Clyde Consultants 1985). Three water supply wells on site (West Well, Center Well, and East Well) are used by Edison for various non-potable and potable purposes. Groundwater is also briefly discussed below in Section 3.3.1 4.

3.3.14

3.2 Analytical Data Screening Criteria

A set of screening criteria was established for consistent evaluation of the analytical test results. Comparing sample results to the screening criteria provides an indication of environmental conditions that may or may not require additional action (e.g., site assessment, risk analysis, remediation).

Soil sample analytical results were compared to the screening criteria presented below and summarized in Table 3.

- TPH and benzene, toluene, ethylbenzene, and total xylenes (BTEX) were compared to Soil Screening Levels published by the Los Angeles Region of the CRWQCB in their May 1996 Interim Site Assessment & Cleanup Guidebook (Los Angeles CRWQCB 1996). Although these levels have not been promulgated, and would not necessarily apply to this site if they were because it is not in the jurisdiction of the Los Angeles Region of the CRWQCB, they have been agreed upon (Hydro-Search, CH2M Hill, Geraghty & Miller 1996) to be used for this evaluation because they provide conservative screening criteria for evaluation of TPH and BTEX analytical results.

- The Toxic Substance Control Act (TSCA) cleanup threshold for total PCBs of 50 parts per million (ppm) was used to evaluate detected PCB concentrations in soil.

- Other detected soil concentrations (metals and volatile organic compounds [VOCs]) were compared to United States Environmental Protection Agency (EPA) Region IX generic Preliminary Remediation Goals (PRGs) for soil under industrial land use conditions. In general, these PRGs are conservative health-based standards (i.e., incremental cancer risk less than 10^{-6}, and a noncancer hazard index less than 1). In addition, these thresholds are also typically protective of groundwater resources. A site-specific risk assessment might demonstrate that less stringent PRGs would be appropriate. It should be noted that natural soils contain metals, so quantifiable detected metals values are normal and expected.

- As a secondary screening step for CAM Metals, soil sample analytical results were compared to the California hazardous waste criteria (Total Threshold Limit Concentration [TTLC]) as listed in California Code of Regulations (CCR), Title 22.

Sample results for the Etiwanda Generating Station were compared to these screening criteria. The screening criteria used for this Phase II ESA are not cleanup criteria. They are strictly used for comparative purposes and to provide an indication of whether or not additional action should be considered by Edison and/or a possible future land owner.

3.3 Field Activities, Sample Results, and Assessment of Site Conditions

Focused soil investigations were performed at a number of specific features of the Etiwanda Generating Station site. A description of these investigations and the resulting data are presented for each site feature investigated. Analytical results for all quality assurance/quality control (QA/QC) samples are summarized in Section 3.3.32 below, which includes a data validation assessment.

Boring logs for all borings drilled or hand augered at each of the specific features listed below are provided in Appendix B. Sample location control data for all borings drilled are included in Appendix C. Laboratory analytical data for samples collected are included in Appendix D. Chain-of-custody forms and data validation reports are provided in Appendix E.

Site field activities were performed at the Etiwanda Generating Station in accordance with the SAP/QAPP (Hydro-Search, CH2M Hill, Geraghty & Miller 1996), the SAP Addendum (Geraghty & Miller 1997), and the deviations described in Section 2.5. Specific targeted areas, identified as being typical to Etiwanda and other Edison generating stations, were investigated, as well as site-specific areas, identified as a result of interviews, document review, and site walks. All analytical results obtained from the investigations were compared to the screening criteria which were described in Section 3.2. Table 4A lists the analytical results that exceed this screening criteria. Table 4B includes all analytical results from the field investigation performed by Geraghty & Miller.

Initially, Geraghty & Miller conducted geophysical surveys of several areas where subsurface structures or potential utility lines were not well established. Geophysical surveys were conducted at the Septic Systems, suspected Underground Storage Tank (UST), sump at the Peaker Unit, buried Pipelines, and the Former Water Softener and Brine Pit.

Soil sampling was then conducted at the following features: selected Aboveground Fuel Oil Storage Tanks (identified individually on Figure 2); Transformers; Surface Water Discharge; Pipelines; Cooling Towers; Hazardous Waste Storage Area; Solid Waste Disposal Areas (Landfills); Scrap Metal Yard; Septic Systems; Site of 1995 Reported Transformer Oil Spill; Vineyard Water Tank; Peaker Unit; Bone Yard (Laydown Area); Powerblocks; Switchyard Perimeter; Sulfuric Acid Storage Tanks; Former Water Softener and Brine Pit; Possible UST (Drawing 5625202); Boiler Wash Water Storage Tank and Units 1 & 2 Cooling Tower Sludge Dewatering Area; Utility Pole Storage; and Agricultural Research Area (Figure 2). The field activities for the Etiwanda site were performed from October 24 to November 18, 1996 and on February 5 and 6, 1997.

One hundred seven soil borings were advanced using a hand auger or a hollow stem auger drill rig. All borings advanced using a drill rig were initially hand augered to a depth of 5 feet to minimize the likelihood of encountering unknown buried structures. Several of the boring locations had surface coverings of asphalt or concrete. Prior to augering at these locations, the surface was prepared by using a hand-held or walk-behind powered saw for asphalt or a rotary corer for concrete. Table 4B includes a list of all soil borings advanced, their boring ID, the depth at which samples were collected, the analytes for which they were tested, and the analytical results.

Soil samples collected from hand auger borings were transferred from the hand auger bucket and placed into jars or laboratory prepared sleeves. All samples that were to be analyzed by EPA Method 8260 for VOCs were collected in brass sleeves with the ends sealed with Teflon sheets secured into place by snug fitting endcaps to prevent loss of VOCs. Soil samples collected from borings advanced using a drill rig were collected in a California Modified Split Spoon Sampler holding three clean brass sleeves.

Samples from many locations at the site were analyzed for TPH by EPA Method 8015 modified by the California Department of Health Services (Method 8015M). As part of the laboratory reporting process, the chromatogram generated by the analytical procedure is examined and compared to typical chromatograms for known types of hydrocarbons, such as diesel, motor oil, etc. The most similar chromatogram is selected and used by the laboratory for quantification of the TPH concentration of the sample, as if it were that standard known type of hydrocarbon. These numerical concentrations are reported in the following discussion. However, this does not necessarily indicate that the hydrocarbon

type, as quantified, is actually what was in the sample, merely that the chromatogram of the sample most closely resembled that typical chromatogram.

After completion of drilling and sampling, all borings were backfilled with Enviroplug Medium brand bentonite chips hydrated with deionized or potable water, and then completed to previous surface conditions with compacted clean native soil, cold patch asphalt, or concrete.

In the following descriptions of sampling results, all analyses requested for each particular location are listed. Analytical results are listed only for analytes which were detected. In the case of organic compounds, frequently none were detected. In the case of metals, many of the metals detected are naturally occurring constituents of the soils, and this does not necessarily mean that their presence is due to site activities.

3.3.1 Ameron and TAMCO Facilities (Off-Site)

Regulatory agency file review of the Ameron and TAMCO facilities north of the site indicated potential sources of environmental impact to Edison property by either surface water flow or groundwater flow. Elevated concentrations of several CAM Metals are prevalent in soil at the Ameron and TAMCO facilities. Documented releases of several CAM Metals- and petroleum hydrocarbon-impacted surface drainage runoff were also noted at these two properties. Investigation of these facilities during the Phase II ESA, consisted of a file review at regulatory agencies.

The TAMCO facility, which borders the Etiwanda Generating Station to the north, recycles scrap metal to produce reinforcing steel bars. The reported primary sources of environmental impact at TAMCO are stockpiles of slag and baghouse dust, both high in residual metals (primarily cadmium, chromium, lead, and zinc) concentrations. Surface water runoff flowing through or over these stockpiles becomes high in dissolved-metals concentrations and presents a source for soil or groundwater impact (URS 1994). Ameron Steel and Wire facility is situated north of the TAMCO facility and has numerous soil areas where metals concentrations exceed hazardous waste criteria. The most notable impact to soil at the Ameron facility was caused by leakage from a brine pond. No adverse impacts to groundwater were reported in the files reviewed.

3.3.2 Waste Discharges (From Off-Site)

During the CRWQCB file review, monitoring data for stormwater runoff from adjacent properties to Edison property did not indicate significant impacts. Files at the DTSC and the SB DEHS, however, documented an investigation in 1985 of Chadwick Channel following a release of petroleum hydrocarbon-impacted water from TAMCO onto Edison property. In this investigation, 167 soil samples were collected throughout Chadwick Channel and the spreading basin at the south end of the site (Goodson 1985). All soil samples were analyzed for total recoverable petroleum hydrocarbons (TRPH) by EPA Method 418.1; 38 soil samples were analyzed for CAM Metals (total concentration); and 36 soil samples were analyzed for soluble concentrations of CAM Metals. While all hydrocarbon and most metals concentrations were below the screening criteria, all arsenic concentrations exceeded the screening criterion and some chromium and lead concentrations exceeded California (non-RCRA) hazardous waste criteria. As part of the Chadwick Channel investigation, a groundwater sample was collected from two water supply wells at the Etiwanda Generating Station, the Center Well and the East Well.

Results of the general chemical parameters analyses indicated that the sampled groundwater was not impacted with the reported analytes. Results of the investigation were reportedly presented in a Site Characterization Study for the Etiwanda Generating Station; however, this report was not reasonably ascertainable.

A letter, dated July 22, 1987 and included in Appendix A, from the Santa Ana Region of the CRWQCB indicated that no further action was required following the Site Characterization Study conducted at Chadwick Channel and the spreading basin (Santa Ana CRWQCB 1987).

3.3.3 Retention Basins

No Phase II sampling was conducted in conjunction with the Retention Basins, including the two North and South Retention Basins and Boiler Chemical Cleaning Basin located in the southeast corner of the facility and the Demineralizer Basin and nearby acid/caustic tank located south of the Unit 3 transformer, because of on-going, concurrent investigations being conducted independently by Edison.

3.3.4 Aboveground Storage Tanks

Aboveground Storage Tanks are used at the site for storage of fuel, lubricants, and water treatment chemicals. This section first discusses previous investigations at the Aboveground Storage Tanks, then discusses sampling at the Primary Fuel Oil Storage Tanks, which was included in the Phase II investigation.

Previous soil sampling was conducted in the vicinity of three Aboveground Fuel Oil Storage Tanks as part of a baseline tank evaluation (Edison 1995). Four trenches were advanced at the southeast and southwest fuel oil tanks with samples collected at 0.5, 1, and 3 feet bgs and five borings were advanced through the floor of the Distillate Fuel Oil Storage Tank with samples collected at 0.5, 1, and 3 feet bgs. Concentrations of TRPH (analyzed by EPA Method 418.1) were observed to a maximum concentration of 302 ppm at a depth of 0.5 foot bgs at the southeast tank, 122 ppm at a depth of 0.5 foot bgs at the southwest tank, and 84 ppm at a depth of 1 foot bgs at the distillate tank. TRPH was not observed above 8 ppm in any sample collected at a depth of 3 feet bgs.

3.3.4.1 Fuel Oil Storage Tanks

In the Phase II investigation, 12 soil borings (NEFO-1 through NEFO-3, NWFO-1 through NWFO-3, CEFO-1 through CEFO-3, and CWFO-1 through CWFO-3) were advanced using a hand auger at the Aboveground Fuel Oil Storage Tanks and Tank Containment Structures. (The sample designations refer to the northeast Fuel Oil [NEFO] Tank, northwest Fuel Oil [NWFO] Tank, center east Fuel Oil [CEFO] Tank, and center west Fuel Oil [CWFO] Tank.) Soil Borings NEFO-1, NEFO-2, and NEFO-3 were located, respectively, to the northwest, northeast, and southeast of the northeast fuel oil tank. Soil Borings NWFO-1, NWFO-2, and NWFO-3 were located, respectively, to the northwest, northeast, and southeast of the northwest fuel oil tank. Boring NWFO-3 was also intended to investigate a possible spill of fuel oil. Soil Borings CEFO-1 and CEFO-2 were located, respectively, to the southwest and northeast, of the center east fuel oil tank. Boring CEFO-3 was located at the outfall of an aboveground pipeline from the Displacement Oil Storage Area. Soil Borings CWFO-1, CWFO-2, and CWFO-3 were located, respectively, at the northwest, northeast, and south of the center west fuel oil tank. All soil borings, with the exception of NEFO-3, were sampled

at 0.5 foot and 4 feet bgs. NEFO-3 was sampled at 0.5 foot and 5 feet bgs. All samples collected at the Aboveground Fuel Oil Storage Tanks were analyzed by Method 8015M for TPH.

At the four Fuel Oil Storage Tanks where soil samples were collected, TPH as diesel ($TPH_{C12-C25}$), crude/waste oil ($TPH_{C10-C40}$), and hydraulic/motor oil ($TPH_{C20-C40}$) were detected at concentrations below the screening criteria.

3.3.4.2 Displacement Oil Storage Tanks

In the Phase II investigation, two borings (COS-1 and COS-2) were advanced at the displacement oil storage tanks and Tank Containment Structures. Soil Boring COS-1 was advanced to 6 feet bgs on the northeast side of the displacement oil storage area sump, and COS-2 was advanced to 21.5 feet bgs in the area between the two Displacement Oil Storage Tanks. COS-1 was sampled at 0.5 foot and 6 feet bgs and COS-2 was sampled at 0.5, 5, 10, 15, and 20 feet bgs. Both samples from COS-1 and the 0.5- and 5-foot samples from COS-2 were analyzed by Method 8015M for TPH. No stained soil was observed during sampling so only samples from 0.5, 5, and 6 feet bgs were analyzed.

Analytical results indicated that TPH as diesel ($TPH_{C12-C25}$) and TPH as hydraulic/motor oil ($TPH_{C20-C40}$) were detected at concentrations below the screening criteria.

3.3.4.3 Distillate Fuel Storage Tanks

One soil boring (DF-1) was advanced using a hand auger to 3 feet bgs adjacent to a sump near the distillate fuel oil loading area located to the northeast of the distillate tank. Samples were collected at 0.5 foot and 3 feet bgs and were analyzed by Method 8015M for TPH. Auger refusal was encountered at 3 feet bgs and the boring was terminated.

Analytical results indicated that TPH as diesel ($TPH_{C12-C25}$) was detected at a concentration below the screening criteria.

3.3.5 USTs

Previous soil sampling was conducted in the vicinity of three USTs that were planned for abandonment located between Units 2 and 3 south of the existing warehouse (Hinkle & Merrian 1985). Five borings were advanced to a total depth of 20 feet with soil samples collected at 5- to 10-foot intervals. TRPH by Method 418.1 was observed to a maximum concentration of 11 ppm at a depth of 10 feet bgs. TRPH was not observed above the detection limit of 1 ppm in any sample collected at a depth of 40 feet bgs. In 1986, after the three USTs were removed, a 550-gallon double-walled fiberglass tank for unleaded fuel was installed below grade (San Bernardino County Fire Department 1994). As part of the tank leak detection program, a fluid detection device placed between the fiberglass walls continuously monitors tank integrity. Edison personnel indicated to Geraghty & Miller that this system is checked daily and has not indicated tank failure (Edison 1997d).

Due to previous investigation and current UST leak prevention systems, the Phase II investigation did not conduct sampling at the referenced USTs.

3.3.6 Tank Containment Structures

The Phase II investigation of Tank Containment Structures included 14 borings. Borings NEFO-1 through NEFO-3, NWFO-1 through NWFO-3, CEFO-1 through CEFO-3, CWFO-1 through CWFO-3, COS-1, and COS-2 and analytical results of each are discussed in Section 3.3.4.1 Fuel Oil Storage Tanks, and Section 3.3.4.2, Displacement Oil Storage Tanks.

3.3.7 Transformers

Seven soil borings (PBT-1 through PBT-7) were advanced using a hand auger at locations of selected Transformers in the Powerblock and Peaker Unit areas. Soil Borings PBT-1 and PBT-2 were located at two of the five Transformers for Unit 1; Borings PBT-3 and PBT-4 were located at two of the three Transformers for Unit 2; Boring PBT-5 was located at the Transformer for Unit 3; Boring PBT-6 was located at the Transformer for Unit 4; and Boring PBT-7 was located at the east end of the Transformer on the southern side of the Peaker Unit building. Borings PBT-1 through PBT-4 were located in the gravel base surrounding selected Transformers for Units 1 & 2. The 0.5-foot depth sample was from the gravel which extended to 2 feet bgs.

Soil Borings PBT-1 through PBT-4 were advanced to 3 feet bgs, and Soil Borings PBT-5, PBT-6, and PBT-7 were advanced to 4.5, 3.5, and 1.5 feet bgs, respectively. All soil borings, with the exception of PBT-7, were sampled at 0.5 foot bgs and at the bottom of the boring. Soil Boring PBT-7 was sampled only at 0.5 foot bgs due to the presence of a concrete slab at 1.5 feet bgs. All samples were analyzed by EPA Method 8015M for TPH and EPA Method 8080 for PCBs.

Analytical results indicated that PCBs were detected in soil samples collected at Borings PBT-1, PBT-2, PBT-3, PBT-4, and PBT-7. TPH as diesel ($TPH_{C12-C25}$) was detected in soil samples collected from Borings PBT-2, PBT-3, and PBT-6; and TPH as hydraulic/motor oil ($TPH_{C20-C40}$) was detected in a soil sample collected from PBT-7. All analytes detected were below the screening criteria.

3.3.8 Surface Water Discharge

Six soil borings (SD-1 through SD-6) were advanced at the various points of surface water run-on and runoff. Boring SD-1 was located on the north perimeter of the property at the outfall of a concrete ditch that directs runoff from the railroad tracks onto Edison property. Boring SD-2 was located near the north end of the site at the upstream portion of Chadwick Channel. Boring SD-3 was located immediately outside the northwest perimeter of the generating station fenceline where stormwater is channeled onto Edison property. Boring SD-4 was located near the southern perimeter of the property (along the pathway of surface flow evaluated by location SD-3), just north of the rip-rap where the storm channel drains from the property. Boring SD-5 was located at the lowest point observed in the spreading basin, into which flow from the Chadwick Channel drains. Boring SD-6 was located along the southern perimeter fenceline of the generating station near Etiwanda Avenue, where a stormwater channel runs off of the facility. All borings were advanced to a depth of 0.5 foot bgs and one sample was collected per boring. All soil samples were analyzed by EPA Method 8015M for TPH and EPA Methods 6010 for CAM Metals and 8260 for VOCs.

Analytical results indicated TPH, as hydraulic/motor oil ($TPH_{C20-C40}$) and as crude/waste oil ($TPH_{C10-C40}$) was detected in samples at concentrations below the screening criteria.

Arsenic concentrations, ranging from not detected to 5.3 milligrams per kilogram (mg/kg), equaled or exceeded the screening criterion of 2.4 mg/kg in four of the six samples. Of these four samples, one (SD-2) was in an area of run-on and three (SD-4, SD-5, and SD-6) were in areas of runoff. Barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, vanadium, and zinc were all detected at concentrations below the screening criteria. The only VOC detected, methylene chloride in sample SD-6, was reported at a concentration below the screening criterion.

3.3.9 Pipelines

Thirteen soil borings (PL-1 through PL-13) were advanced using a hand auger along Pipelines at the site. Soil Boring PL-1 was advanced to a depth of 4.5 feet at a location about 1 foot north of the pig sump on the incoming fuel oil Pipeline. Boring PL-2 was advanced to a depth of 2 feet along the fuel oil loading rack just west of the fuel oil heaters. Boring PL-3 was advanced to a depth of 3 feet beneath an aboveground portion of the fuel oil Pipeline at the west end of the primary fuel oil pumping area. Boring PL-4 was advanced to a depth of 3 feet on the western side of the fuel oil sump priming pump facility. Boring PL-5 was advanced to a depth of 3 feet at a location approximately 30 feet north of the fuel oil sump priming pump facility and 2 feet east of a fuel oil pump. Boring PL-6 was advanced to a depth of 5 feet along the location of the underground distillate fuel Pipeline east of the water Retention Basins. Boring PL-7 was advanced to a depth of 5 feet along the location of the underground distillate fuel Pipeline at a location approximately 30 feet south of the Peaker Unit building. Boring PL-8 was advanced to a depth of 5 feet along the location of the discontinued underground acid pipeline located southeast of the existing administration building where there is a 90 degree elbow in the Pipeline. Boring PL-9 was advanced to a depth of 4 feet along the location of the discontinued underground acid pipeline located east of the Former Water Softener and Brine Pit and at the location of a 90 degree elbow in the Pipeline. Boring PL-10 was advanced to a depth of 1.6 feet at the southwest corner of the Peaker Unit building at the location of a 90 degree elbow in a distillate fuel overflow underground drainline. Boring PL-11 was advanced to a depth of 5 feet adjacent to Boring PL-10 at the southwest corner of the Peaker Unit building at the 90 degree Pipeline elbow. Boring PL-12 was advanced to a depth of 5 feet adjacent to Boring PL-4 on the western end of the fuel oil sump priming pump facility near the sump. Boring PL-13 was advanced to a depth of 5 feet at a location approximately 3 feet northeast of Boring PL-9, at a 90 degree elbow in the acid pipeline. One sample was collected from each boring at the total depth of the boring. Auger refusal was encountered in Borings PL-9 and PL-10 at 4 and 1.5 feet bgs, respectively. Borings PL-1, PL-4, and PL-12 were all adjacent to sumps.

All samples collected from soil borings, with the exception of PL-13, were analyzed by Method 8015M for TPH. Additionally, samples collected from PL-8, PL-9, PL-12, and PL-13 were analyzed by EPA Method 6010 for CAM Metals; samples collected from PL-12 and PL-13 were analyzed by EPA Method 9045 for pH; and the sample collected from PL-11 was analyzed by EPA Method 8260 for VOCs.

Analytical results indicated no detectable concentrations of TPH in samples collected from Borings PL-1, PL-4, PL-5, PL-6, PL-7, and PL-11. No VOCs were detected in the sample collected from Boring PL-11. Concentrations of TPH as hydraulic/motor oil ($TPH_{C20-C40}$) were detected in soil samples collected from Borings PL-2, PL-3, PL-9, and PL-10; however, TPH concentrations were below the screening criteria.

The TPH analysis chromatogram for soil collected at PL-10 was consistent with chromatograms showing the presence of PCBs. This observation is reasonable because PCBs elute at a time which is included in the 8015M scans of long carbon chains ($TPH_{C20-C40}$) but not necessarily reported. Because the observation was brought to Geraghty & Miller's attention by BC Laboratories, Inc. (BC Labs), soil sample PL-10-1.5 was analyzed by EPA Method 8080 for PCBs. PCBs were not detected in the sample.

Samples from locations PL-8, PL-9, and PL-13 were also analyzed by EPA Method 6010 for CAM Metals. Analytical results from soil sampled at PL-8 showed an arsenic concentration of 2.6 mg/kg, which exceeds the screening criterion of 2.4 mg/kg. Arsenic was not detected in the sample from Boring PL-9 and was detected below the screening criteria in the sample from Boring PL-13. Other metals detected at concentrations below the screening criteria include barium, beryllium, chromium, cobalt, copper, lead, molybdenum, nickel, vanadium, and zinc. The pH values of the samples collected from PL-12 and PL-13 are 9.22 and 8.49, respectively.

Field activities also included soil excavation near the elbow in the acid pipeline that was located using geophysical methods. Although the Pipeline was not encountered, asphalt was found in the excavation from approximately 1.5 to 3 feet bgs. East of this elbow, on the berm of the reservoir, a portion of an acid pipeline protruded from the ground. The Pipeline consisted of an outer steel pipe (3-inch diameter) and an inner pipe (1.5-inch diameter). A small section of the inner pipe was removed and its physical characteristics (high density, low modulus of elasticity, and low yield stress) are consistent with the interpretation, based on site drawings, that the Pipeline contains lead. Boring PL-13 was located in this general area, beneath this lead-lined Pipeline.

3.3.10 Cooling Towers

Nine soil borings (CT1&2-1, CT1&2-2, CT1&2-3, CT3-1 through CT3-3, and CT4-1 through CT4-3) were advanced using a hand auger to approximately 5.5 feet bgs at the Cooling Towers. Boring CT1&2-1 was located on the northwest corner of the west Cooling Tower for Units 1 and 2; Boring CT1&2-2 was located on the northeast corner of the center west Cooling Tower for Units 1 and 2; Boring CT1&2-3 was located on the southeast corner of the center east Cooling Tower for Units 1 and 2; Boring CT3-1 was located on the southeast side of the Cooling Tower for Unit 3; Boring CT3-2 was located in the center of the southern side of the Cooling Tower for Unit 3; Boring CT3-3 was located on the southwest corner of the Cooling Tower for Unit 3; Boring CT4-1 was located on the northwest corner of the Cooling Tower for Unit 4; Boring CT4-2 was located in the center of the northern side of the Cooling Tower for Unit 4; Boring CT4-3 was located on the southeast side of the Cooling Tower for Unit 4. The borings were sampled at approximately 0.5 foot and 5 feet bgs and all samples were analyzed by EPA Methods 6010 for CAM Metals and 9045 for pH. Due to restricted access, no samples were collected to evaluate the former incinerator previously located at the Unit 3 Cooling Tower.

Analytical results indicated that barium, cadmium, chromium, cobalt, copper, lead, nickel, vanadium, or zinc were each detected at concentrations below the screening criteria. In addition, arsenic concentrations exceeded the screening criteria of 2.4 mg/kg in three locations CT3-1 (14 mg/kg), CT3-2 (17 mg/kg), and CT4-2 (6.3 mg/kg). All samples exceeding the screening criteria for arsenic were collected from 0.5 foot bgs.

Reported pH values of the samples collected around the Cooling Towers ranged from 7.45 to 8.87.

3.3.11 Hazardous Waste Storage Area

One soil boring (HW-1) was advanced using a hand auger to 3.5 feet bgs in the southeast corner of the Hazardous Waste Storage Area. Samples were collected at 0.5 foot and 3 feet bgs. Both samples were analyzed by EPA Methods 8260 for VOCs and 6010 for CAM Metals and by Method 8015M for TPH.

No VOCs or TPH were detected in soil sampled from the Hazardous Waste Storage Area. Arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, or zinc were each detected at concentrations below screening criteria for CAM Metals.

3.3.12 Drains and Sumps

The Phase II investigation of Drains and Sumps included nine borings. Borings PB-4, PB-5, PB-6, and PB-8 were advanced near sumps in the Powerblock; analytical results are discussed in Section 3.3.22. Powerblock Borings PL-1, PL-4, and PL-12 were advanced along sections of Pipelines near sumps; analytical results are discussed in Section 3.3.9, Pipelines. Boring DF-1 was advanced adjacent to a sump near the distillate fuel oil loading area; analytical results are discussed in Section 3.3.4.3, Distillate Fuel Storage Tanks. Boring PU-3 was advanced west of the Peaker Unit building near the floor drain sump; analytical results are discussed in Section 3.3.20, Peaker Unit Floor Drain and Sump.

3.3.13 Solid Waste Disposal Area (Landfill)

Three soil borings (LF-1 through LF-3) were advanced using a drill rig to 15 feet bgs at the Landfill, located in the northwest corner of the generating station. Soil Boring LF-1 was located in the center of the Landfill; Boring LF-2 was located in the northern portion of the Landfill; and Boring LF-3 was located in the southern portion of the Landfill. All three borings were sampled at 5, 10, 15, and 20 feet bgs. The 10- and 15-foot samples from Borings LF-1 and LF-2, and the 5- and 10-foot samples from LF-3 were analyzed by EPA Methods 8260 for VOCs and 6010 for CAM Metals and by Method 8015M for TPH.

No VOCs or TPH were detected in soil sampled from the Landfill Area at 5, 10 and 15 feet bgs. Arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, or zinc were each detected at concentrations below screening criteria for CAM Metals. Logs of the Landfill borings suggest that native material occurs at approximately 5 to 10 feet bgs (Appendix B). The presumed fill material consists of silty sand that is primarily reworked native material and some fine to coarse grained sand with trace silt.

3.3.14 Water Supply Wells

No groundwater sampling was conducted as part of the Phase II investigation. During an investigation in 1985, Edison collected groundwater samples from the Center Well, East Well, West Well, and a well at TAMCO and analyzed these samples for general chemical parameters and selected metals and VOCs. The results indicated that the sampled groundwater was of acceptable quality with the reported analytes (Woodward-Clyde Consultants 1985). However, the West Well sample showed the presence of Total

Hydrocarbon (THC) (method not reported) of 260 mg/L which is substantially greater than 12 mg/L and 15 mg/L for the East and Center Wells, respectively.

Geraghty & Miller conducted a review of water quality analyses from a sample of groundwater collected on May 21, 1996. In this limited review, Geraghty & Miller did not observe any results that indicated adverse environmental impacts to groundwater.

Local groundwater information was obtained from the Santa Ana Watershed Project Authority (SAWPA), which maintains hydrologic data for the watershed of the Santa Ana River. The geographic information system database for the watershed includes the area of the Etiwanda Generating Station. A total of 9 groundwater wells are listed in the SAWPA database within 1 mile of the generating station. Also listed in the database are available measured depths to groundwater. Depth to water measurements made in May 1996 were available for five of these wells. The range of depth to water is 278 to 456 feet. This range may include both actively pumped and inactive wells .

A comparison of information obtained from SAWPA, other local water purveyors, and from Edison indicates that the SAWPA information is not complete. Although more complete depth to water data are available from other sources, the SAWPA data are representative of groundwater production wells for domestic and industrial use, which is the general use of wells in the vicinity.

3.3.15 Spills

The Phase II investigation of Spills included four borings. Borings OS-1 and OS-2 were advanced in the area of a reported transformer oil spill; analytical results are discussed in Section 3.3.18, Site of 1995 Reported Transformer Oil Spill. Boring NWFO-3 was advanced near the northwest fuel oil tank; analytical results are discussed in Section 3.3.4.1, Fuel Oil Storage Tanks. Boring PB-3 was advanced near an air preheater lube oil pump in the Powerblock; analytical results are discussed in Section 3.3.22 Powerblock.

3.3.16 Scrap Metal Yard

One soil boring (SMY-1) was advanced using a hand auger to 5.5 feet bgs at the southwest corner of the Scrap Metal Yard. Samples were collected at 0.5, 3, and 5 feet bgs. All samples collected were analyzed by EPA Methods 8260 for VOCs, 8080 for PCBs, and 6010 for CAM Metals and by Method 8015M for TPH.

Arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, or zinc were each detected in samples at concentrations below the screening criteria. Also, one sample from the surface soil (SMY1-0.5) did have detectable concentrations of xylenes and TPH as hydraulic/motor oil ($TPH_{C20-C40}$), also at concentrations below the screening criteria.

3.3.17 Septic Systems

Based on interviews and Edison drawings, four Septic Systems are in place at the Etiwanda Generating Station. These Septic Systems each consist of a concrete septic tank and two or more seepage pits, which are a minimum total depth of 25 feet bgs and constructed of common or concrete brick (Drawing 562533-3), connected by vitrified clay pipe. The Septic Systems receive wastewater from the Unit 1 and 2 control room, the maintenance shops, the

warehouse, the Peaker Unit Building, the Unit 3 and 4 control room, and the administration building. Six soil borings (SS-1 through SS-6) were advanced to 31.5 feet bgs at three of the four Septic Systems using a drill rig; the administration building Septic System was not sampled because disposal of hazardous materials to this Septic System is unlikely. Edison personnel indicated that soil Borings SS-1 and SS-2 were located to the west and east, respectively, of the Septic System for the Unit 1 and 2 control room, the maintenance shop, and the warehouse (Edison 1997e). Soil Borings SS-3 and SS-4 were located to the west and east, respectively, of the Peaker Unit building Septic System west of the north water Retention Basin. Borings SS-5 and SS-6 were located to the north and south, respectively, of the Units 3 and 4 control room Septic System. Soil samples were collected from each of the borings at 10, 20, and 30 feet bgs. The 20- and 30-foot samples were analyzed by EPA Method 353.2 for nitrates and 8260 for VOCs.

Results indicated that no VOCs were detected and that nitrates as NO_3 were detected only in soil samples from Borings SS-5 and SS-6 at concentrations below screening criteria.

3.3.18 Site of 1995 Reported Transformer Oil Spill

Two soil borings (OS-1 and OS-2) were advanced using a hand auger to 3.5 feet bgs on the west and east sides of the Reported Transformer Oil Spill area. Both borings were sampled at 0.5 foot and 3 feet bgs, and all samples were analyzed by Method 8015M for TPH.

Analytical results indicated that the only detected analyte was TPH as diesel ($TPH_{C12-C25}$) at a concentration below the screening criteria.

3.3.19 Vineyard Water Tank

Two borings (CS-1 and CS-2) were advanced at a Vineyard Water Tank, consisting of four walls, no roof, and a dirt floor, located in the southeast portion of the property near the East Well. CS-1 was advanced inside the structure to a depth of 0.5 foot where a sample was collected. Boring CS-2 was advanced outside the structure below a steel pipe set through the wall. Samples were collected at 0.5 foot and 3 feet bgs. All samples were analyzed by EPA Methods 8080 for PCBs, 8140 for pesticides, and 9045 for pH.

Analytical results indicated that all samples collected from the Former Vineyard Water Tank exhibited concentrations of pesticides, 4-4-DDE and 4-4-DDT at concentrations below the screening criteria. The pH values ranged from 5.75 to 7.96.

3.3.20 Peaker Unit Floor Drain and Sump

Three borings (PU-1 through PU-3) were advanced at the Peaker Unit. Boring PU-1 was advanced using a concrete corer. Borings PU-2 and PU-3 were advanced using a drill rig. Boring PU-1 was located inside the Peaker Unit building in the concrete floor on the ground floor north of the high pressure oil pumps; Boring PU-2 was located west of the Peaker Unit building; and Boring PU-3 was also located west of the Peaker Unit building near the floor drain sump. Borings PU-2 and PU-3 were advanced to 16.5 feet bgs and were sampled at 5, 10, and 15 feet bgs. The 5- and 10-foot samples were analyzed by Method 8015M for TPH. The 15-foot samples were not evaluated because there was no physical or analytical evidence of any suspected impact.

Boring PU-1, advanced in the Peaker Unit, was located inside of the building near the high pressure pumps. The boring was not completed to the intended depth because coring showed that the concrete exceeded 12 inches in thickness. Examination of the concrete showed surface staining of oil to a depth of approximately 0.25 inches. Even though some cracks in the concrete were visible, none were observed to extend more than a few inches from the surface. Investigation of the floor drain piping prior to coring indicated that the lateral floor drain piping was approximately 4 feet below the floor surface. Piping appeared to be welded steel.

Analytical results indicated that no TPH was detected at 5 and 10 feet bgs at boring locations PU-2 and PU-3.

3.3.21 Bone Yard (Laydown Area)

Four soil borings (BY-1 through BY-4) were advanced using a hand auger at the Bone Yard (Laydown Area). Soil Borings BY-1 and BY-2 were located on the northwest and northeast corners of the Bone Yard, respectively; and Borings BY-3 and BY-4 were located on the southwest corner and south end of the Bone Yard, respectively. Soil Boring BY-1 was advanced to 3 feet bgs and Borings BY-2 through BY-4 were advanced to 3.5 feet bgs. The four borings were sampled at 0.5 foot and 3 feet bgs and all samples were analyzed by EPA Methods 8260 for VOCs and 6010 for CAM Metals and by Method 8015M for TPH.

Arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, vanadium, or zinc were each detected at concentrations below screening criteria in soil sampled from the Bone Yard (Laydown Area). TPH as hydraulic/motor oil ($TPH_{C20-C40}$) and VOCs (xylenes and trichloroethene [TCE]) were also detected at concentrations below screening criteria.

3.3.22 Powerblock

Ten soil borings (PB-1 through PB-8, CCU, and CCD) were advanced using a hand auger in the area of the Powerblocks for the four primary generating units. Soil Boring PB-1 was advanced to 5.5 feet bgs at a location south of the fuel oil heaters for Units 3 and 4. Boring PB-2 was advanced to 5.5 feet bgs at the location of a former discharge of the process wash-down water catch basin to Chadwick Channel (also called the Unit 4 drain line). Boring PB-3 was advanced to 5.5 feet bgs at a location 25 feet northwest of the north area solution tank near the air preheater lube oil pump. Boring PB-4 was advanced to 7 feet bgs at the northwest corner of the Unit 3 and 4 oil/water separator sumps and pumps. Boring PB-5 was advanced to 4.5 feet bgs at the east end of the turbine lube oil room near the waste-oil sump. Boring PB-6 was advanced to 11 feet bgs at a location on the south side of Unit 2 turbine lube oil sump. Boring PB-7 was advanced to 5.5 feet bgs at a location east of Unit 1 boiler. Boring PB-8 was advanced to 5 feet bgs on the north side of the fuel oil sump between Units 1 and 2. Boring CCU was advanced to 0.5 foot bgs 20 feet north of Boring PB-2. Boring CCD was advanced to 0.5 foot bgs 20 feet south of Boring PB-2. Auger refusal was encountered in Boring PB-4 at 7 feet bgs, in Boring PB-5 at 4.5 feet bgs, and in Boring PB-8 at 5 feet bgs.

All borings were sampled at 0.5 foot and 5 feet bgs, with the exception of Borings PB-4, PB-5, PB-6, CCU, and CCD. Soil Boring PB-4 was sampled at 0.5 foot and 7 feet bgs, PB-5 was sampled at 0.5 foot and 4.5 feet bgs, PB-6 was sampled at 0.5 foot and 11 feet bgs, CCU and CCD were both sampled at 0.5 foot bgs. All samples collected in the Powerblock area were

analyzed by EPA Method 6010 for CAM Metals and Method 8015M for TPH. All samples from Boring PB-2 were also analyzed by Method 8080 for PCBs.

Four sampling locations were used to represent each of the Unit 1 & 2 and Unit 3 & 4 Powerblocks. Locations were selected on the perimeter to direct sampling on each side of the generally rectangular Powerblocks. Several specific components are present in the Powerblocks which may be the source of contaminants. These components include the boiler sump, oil/water blow-down discharge, oil/water separator, secondary fuel oil sump, bearing cooling water pumps, battery room, air heater lube oil pumps, and miscellaneous piping joints for lubricants and fuels.

The south perimeter of the Unit 4 Powerblock was evaluated using samples collected from Borings PBT-5 and PBT-6, located near the Unit 3 & 4 transformers. These samples and analytical results are presented in Section 3.3.7, Transformers.

Analytical results for soil samples collected from Boring PB-1 to the north of the Unit 4 boiler showed detectable concentrations of barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, or zinc, each below screening criteria.

Analytical results for soil samples collected from Boring PB-2, located in the Chadwick Channel at the former discharge of a drain line from the boiler washdown sump, indicated concentrations of barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, vanadium, zinc, TPH as hydraulic/motor oil ($TPH_{C20-C40}$), and PCBs at concentrations below the screening criteria. Arsenic concentrations of soil samples collected from Boring PB-2 (18 and 6.7 mg/kg) exceeded the screening criterion of 2.4 mg/kg.

A relatively high concentration of nickel (2,100 mg/kg) was reported for the sample at 0.5 foot bgs in Boring PB-2. This concentration exceeds the California hazardous waste criterion (TTLC of 2,000 mg/kg, as listed in Section 66261.24, CCR, Title 22).

The TPH analysis chromatogram for soil collected at PB-2 was consistent with chromatograms showing the presence of PCBs. This observation is reasonable because PCBs elute at a time which is included in the 8015M scans of long carbon chains ($TPH_{C20-C40}$) but not necessarily reported. Because the observation was brought to Geraghty & Miller's attention by BC Labs, samples PB2-0.5 and PB2-5 were analyzed by EPA Method 8080 for PCBs. While PCBs were detected in both samples, the concentrations were less than the screening criteria.

Based on these data, and at the request of Edison, two additional samples were collected in Chadwick Channel at locations CCU (20 feet upstream) and CCD (20 feet downstream) at a depth of 0.5 foot bgs. Samples were collected and analyzed by EPA Method 6010 for CAM Metals and 8080 for PCBs. Results of the two additional soil samples showed concentrations of arsenic, barium, beryllium, chromium, cobalt, copper, lead, molybdenum, nickel, vanadium, and zinc at concentrations below screening criteria. PCBs were not detected. These results indicate that the concentrations observed at location PB-2 are confined to its immediate area, and that the source of the constituents is likely the sealed drain line.

Edison conducted a detailed sampling and analysis program in the vicinity of the Unit 4 drain discharge line (boiler water blow down discharge line). As a result of sampling and analysis, limited soils excavation was performed followed by confirmation sampling. The

activities and analytical data are presented in the Chadwick Channel Site Investigation and Cleanup Report (Edison 1997f) (Appendix A) and are briefly described below.

On February 14, 1997, Edison personnel collected 26 soil samples from 11 hand auger boreholes. Sampling was conducted in the vicinity of boring PB-2 and was located in the Chadwick Channel east of the Units 1 & 2 Cooling Towers. Samples were collected in each borehole at depths from 0.5 foot bgs to between 2.5 and 3.5 feet bgs, except at one location where a sample was collected at a depth of 5.0 feet bgs. No samples were collected to the east of the drain discharge. Samples were analyzed for nickel and showed a maximum concentration of 124 mg/kg.

On February 27, 1997 soil was excavated based on the prior investigation. Soils excavation was performed by Edison. A volume of soil generated by excavating an area 6 feet by 12 feet to a depth of 6 feet was containerized in three bins for characterization and disposal. A concrete obstruction was encountered at a depth of 4 feet bgs in the southern portion of the excavation. Other obstructions included three 10- or 12-inch diameter Pipelines running in a north/south direction. These pipes were determined to be water lines for the fire suppression system. Confirmation samples were reported to be collected from the approximate center of each side wall and the bottom of the excavation, and from the base of the east wall beneath the drain line. All results were below the soil screening criterion for nickel.

The excavation was backfilled with clean sand from West Coast Sand & Gravel, Inc. On March 19, 1997, excavated soil was taken to and received by TPS Technologies disposal facility located in Adelento, California.

Analytical results of soil samples collected at location PB-3, to the east of Unit 3 boiler, indicated that barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, zinc, and TPH as hydraulic/motor oil ($TPH_{C20-C40}$) were all detected at concentrations below the screening criteria.

Analytical results of soil samples collected at location PB-4, to the west of the Unit 3 & 4 oil/water separator, indicated that barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, zinc, and TPH as hydraulic/motor oil ($TPH_{C20-C40}$) were all detected at concentrations below the screening criteria.

Analytical results of soil samples collected at location PB-5, within the turbine lube oil storage room at the west side of the Unit 1 & 2 Powerblock, indicated that barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, zinc, and TPH as crude/waste oil ($TPH_{C10-C40}$) were all detected at concentrations below the screening criteria. Auger refusal was encountered in Boring PB-5 at 4 feet bgs; however, it is believed that the waste-oil sump may extend an additional 1 foot to 2 feet.

Analytical results of soil samples collected at location PB-6, south of the Unit 2 boiler sump, indicated that arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, zinc, and TPH as diesel ($TPH_{C12-C25}$) were all detected at concentrations below the screening criteria. The deep sample was collected at 11 feet bgs to approach the base of the Unit 2 boiler sump.

Analytical results of soil samples collected at location PB-7, east of the Unit 1 boiler, indicated that arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, zinc, and TPH as diesel ($TPH_{C12-C25}$) were all detected at concentrations below the screening criteria.

Analytical results of soil samples collected at location PB-8, west of the fuel oil sump for Units 1 & 2, indicated that arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, zinc, and TPH, as hydraulic/motor oil ($TPH_{C20-C40}$), and as crude/waste oil ($TPH_{C10-C40}$) were all detected at concentrations below the screening criteria. The deep sample was collected at 5 feet bgs to approach the base of the sump.

Borings PB-4, PB-5, PB-6, and PB-8 were all adjacent to drains or sumps, as referenced in Section 3.3.12.

In summary, of the ten borings (PB-1 through PB-8, CCU, and CCD) advanced along the perimeter of the Powerblocks, samples from only one boring (PB-2) exceeded the screening criteria, specifically the criterion for arsenic.

3.3.23 Switchyard Perimeter

Six soil borings (SYP-1 through SYP-6) were advanced using a hand auger to 3.5 feet bgs at the Switchyard Perimeter. Soil Boring SYP-1 was located along the southern edge of the perimeter; Boring SYP-2 was located on the southern side of the east-west trending road that bisects the Switchyard; Boring SYP-3 was located on the western edge of the perimeter; Boring SYP-4 was located on the northern edge; and Borings SYP-5 and SYP-6 were located on the eastern edge of the Switchyard Perimeter. Samples were collected in all borings at 0.5 foot and 3 feet bgs and were analyzed by EPA Method 8080 for PCBs and Method 8015M for TPH. Samples from Borings SYP-2 and SYP-6 were additionally analyzed by EPA Method 6010 for CAM Metals to assess the possibility of fallout, or "dry deposition," of metals emanating from Units 3 and 4 Cooling Towers.

Analytical results of soil samples collected along the perimeter of the Switchyard at nominally 1 foot and 3 feet bgs did not exceed the screening criteria for PCBs or TPH. Arsenic, barium, beryllium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, or zinc were each detected at concentrations below screening criteria.

3.3.24 Sulfuric Acid Storage Tanks

Three Sulfuric Acid Storage Tanks were evaluated, one each for Units 1 & 2, Unit 3, and Unit 4.

Six soil borings (SA-1&2-1, SA-1&2-2, SA3-1, SA3-2, SA4-1, and SA4-2) were advanced at the aboveground Sulfuric Acid Storage Tanks using a hand auger. Boring SA-1&2-1 was advanced to 4 feet bgs to the south of the Sulfuric Acid Storage Tank at the Units 1 and 2 Cooling Towers. Boring SA-1&2-2 was advanced to 5.5 feet bgs at the west end of the Sulfuric Acid Storage Tank at the Units 1 and 2 Cooling Towers. Boring SA3-1 was advanced to 4 feet bgs in the roadway on the south side of the Sulfuric Acid Storage Tank for the Unit 3 Cooling Towers. Boring SA3-2 was advanced to 4 feet bgs in gravel (where yellow stained soils were observed and a release and limited soils excavation had been reported [see Section 2.2]) on the east side of the Sulfuric Acid Storage Tank for the Unit 3 Cooling Tower. Boring SA4-1 was advanced to 5 feet bgs on the south side of the Sulfuric

Acid Storage Tank for the Unit 4 Cooling Tower. Boring SA4-2 was advanced to 5 feet bgs approximately 150 feet southeast of the Sulfuric Acid Storage Tank for the Unit 4 Cooling Tower at the approximate location of a former acid tank. Samples were analyzed by EPA Method 6010 for CAM Metals.

Analytical results of soil samples collected from near the Units 1 & 2 Sulfuric Acid Storage Tank and from the Unit 4 Sulfuric Acid Storage Tank indicated detections of arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, or zinc, each at concentrations below screening criteria.

Analytical results of soil samples collected in the vicinity of the Unit 3 Sulfuric Acid Storage Tank indicated detections of barium, beryllium, cadmium, cobalt, copper, lead, mercury, molybdenum, or zinc, each at concentrations below screening criteria. Arsenic concentrations of the 0.5 foot bgs soil samples collected from Borings SA3-1 and SA3-2 (22 mg/kg and 8.7 mg/kg, respectively) exceeded the screening criterion of 2.4 mg/kg.

3.3.25 Former Water Softener and Brine Pit

Two soil borings (FBP-1 and FBP-2) were advanced using a drilling rig to 16.5 feet bgs at the approximate location of the Former Water Softener and Brine Pit. Soil Boring FBP-1 was located on the northwest corner of the suspected location of the Brine Pit. The boring was moved 1 foot west of the planned location due to auger refusal at approximately 3 feet bgs. Soil Boring FBP-2 was located adjacent to the Former Water Softeners. The boring was moved 4 feet to the west because concrete was encountered in the original boring at approximately 0.5 foot bgs, and a second time because concrete was encountered again at 1.5 feet bgs. The final boring was located 10 feet north of the original boring. Figure 2 includes a blow-up which shows the approximate orientation of the two borings and the Former Water Softener and Brine Pit equipment. Actual equipment locations may not be exactly as shown in the blow-up, because Figure 2 was based on drawings that are not "as-built" drawings.

Each boring was sampled at 5, 10, and 15 feet bgs. The 5-, 10-, and 15-foot samples were analyzed by EPA Methods 6010 for CAM Metals and 9045 for pH, except for sample FBP1-15 which was not analyzed for CAM Metals.

Analytical results indicated barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, vanadium, or zinc were each detected at concentrations below screening criteria. Arsenic concentrations of soil samples collected from Boring FBP-1 at 15 feet bgs (17 mg/kg) and at Boring FBP-2 at 10 feet bgs (2.7 mg/kg) exceeded the screening criteria of 2.4 mg/kg. The pH values for soil samples collected from FBP-2 range from 6.94 to 9.6.

3.3.26 Boiler Chemical Cleaning Basin

Previous soil sampling was conducted in the vicinity of the Boiler Chemical Cleaning Basin as part of a hydrogeologic assessment (Woodward-Clyde Consultants 1985). Soils analyses were performed for 18 metals, TCE, pentachlorophenol, and total hydrocarbons. Four borings, designated BW-1, BW-2, BW-3, and BW-4, were advanced to depths of 55, 35, 50, and 60 feet bgs, respectively, to determine concentrations of metals in soils beneath the Boiler Chemical Cleaning Basin. Analytical results of soil samples collected from all four borings indicated arsenic concentrations that exceeded the screening criterion of 2.4 mg/kg.

Three borings designated B-1, B-2, and B-3 were advanced to depths of 100, 100, and 95 feet bgs, respectively to determine background concentrations of metals in soils. Background concentrations of arsenic in deep soils were reported as 3.4 mg/kg, 2.2 mg/kg, and 7.4 mg/kg at locations B-1, B-2, and B-3, respectively. Analytical results of soil samples from two deep background borings exceeded the screening criteria for arsenic (2.4 mg/kg).

In addition to an evaluation of soil quality, the assessment included geophysical methods for subsurface features and review of area groundwater information for assessment of groundwater flow (Woodward-Clyde Consultants 1985).

This area of the site is where an on-going leak detection investigation is being conducted independently by Edison. As a result, the Phase II investigation scope did not include sampling at the Boiler Chemical Cleaning Basin.

3.3.27 Possible Underground Storage Tank (Drawing 5625202)

Two soil borings (UST-1 and UST-2) were advanced at the reported location of the UST near the carport. Soil Boring UST-1 was located to the north and UST-2 was located to the south of the suspected UST. Both borings were advanced to 21.5 feet bgs and were sampled at 10, 15, and 20 feet bgs. The 15- and 20-foot samples were analyzed by Method 8015M for TPH.

Analytical results indicated no detectable hydrocarbons. The geophysical survey did not provide substantial evidence for the presence of a UST at the location identified on site drawings; therefore, uncertainty remains that a UST may have been installed at another location. The geophysical survey and sampling could not be conducted below the nearby carport due to restricted access.

3.3.28 Boiler Wash Water Storage Tank Area and Units 1 & 2 Cooling Tower Sludge Dewatering Area

Three soil borings (BW-1 through BW-3) were advanced to 3.5 feet bgs at the Units 1 & 2 Cooling Tower Sludge Dewatering Area (called the sludge leaching basin in the Phase I ESA report). Soil Boring BW-1 was located inside the north boundary of the dewatering area; and Borings BW-2 and BW-3 were located outside the southern edge of the area. The three borings were sampled at 0.5 foot and 3 feet bgs and all samples collected were analyzed by EPA Methods 8260 for VOCs and 6010 for CAM Metals and by Method 8015M for TPH.

Analytical results indicated that arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, selenium, vanadium, zinc, TPH as diesel ($TPH_{C12-C25}$), and TCE were detected at concentrations below screening criteria. A detection of TCE in an equipment blank in the QA/QC procedures, however, suggests that the TCE result may not be valid and that TCE, if present, may be at a lower concentration than reported.

3.3.29 Utility Pole Storage

Two soil borings (UP-1 and UP-2) were advanced in areas where utility poles were stored on the Edison property west of the Etiwanda Generating Station. Both borings were advanced to a depth of 5 feet bgs and were sampled at 0.5 foot and 5 feet bgs. All soil samples were analyzed by Method 8270B for polyaromatic hydrocarbons (PAHs).

Three borings designated B-1, B-2, and B-3 were advanced to depths of 100, 100, and 95 feet bgs, respectively to determine background concentrations of metals in soils. Background concentrations of arsenic in deep soils were reported as 3.4 mg/kg, 2.2 mg/kg, and 7.4 mg/kg at locations B-1, B-2, and B-3, respectively. Analytical results of soil samples from two deep background borings exceeded the screening criteria for arsenic (2.4 mg/kg).

In addition to an evaluation of soil quality, the assessment included geophysical methods for subsurface features and review of area groundwater information for assessment of groundwater flow (Woodward-Clyde Consultants 1985).

This area of the site is where an on-going leak detection investigation is being conducted independently by Edison. As a result, the Phase II investigation scope did not include sampling at the Boiler Chemical Cleaning Basin.

3.3.27 Possible Underground Storage Tank (Drawing 5625202)

Two soil borings (UST-1 and UST-2) were advanced at the reported location of the UST near the carport. Soil Boring UST-1 was located to the north and UST-2 was located to the south of the suspected UST. Both borings were advanced to 21.5 feet bgs and were sampled at 10, 15, and 20 feet bgs. The 15- and 20-foot samples were analyzed by Method 8015M for TPH.

Analytical results indicated no detectable hydrocarbons. The geophysical survey did not provide substantial evidence for the presence of a UST at the location identified on site drawings; therefore, uncertainty remains that a UST may have been installed at another location. The geophysical survey and sampling could not be conducted below the nearby carport due to restricted access.

3.3.28 Boiler Wash Water Storage Tank Area and Units 1 & 2 Cooling Tower Sludge Dewatering Area

Three soil borings (BW-1 through BW-3) were advanced to 3.5 feet bgs at the Units 1 & 2 Cooling Tower Sludge Dewatering Area (called the sludge leaching basin in the Phase I ESA report). Soil Boring BW-1 was located inside the north boundary of the dewatering area; and Borings BW-2 and BW-3 were located outside the southern edge of the area. The three borings were sampled at 0.5 foot and 3 feet bgs and all samples collected were analyzed by EPA Methods 8260 for VOCs and 6010 for CAM Metals and by Method 8015M for TPH.

Analytical results indicated that arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, selenium, vanadium, zinc, TPH as diesel ($TPH_{C12-C25}$), and TCE were detected at concentrations below screening criteria. A detection of TCE in an equipment blank in the QA/QC procedures, however, suggests that the TCE result may not be valid and that TCE, if present, may be at a lower concentration than reported.

3.3.29 Utility Pole Storage

Two soil borings (UP-1 and UP-2) were advanced in areas where utility poles were stored on the Edison property west of the Etiwanda Generating Station. Both borings were advanced to a depth of 5 feet bgs and were sampled at 0.5 foot and 5 feet bgs. All soil samples were analyzed by Method 8270B for polyaromatic hydrocarbons (PAHs).

Analytical results indicated that no PAHs were detected in any of the four samples.

3.3.30 Second Solid Waste Disposal Area (Second Landfill)

Two soil borings (LF2-1 and LF2-2) were advanced at the Second Landfill identified at the site, southeast of the Southeast fuel oil tank and north of the spreading basin. Both borings were advanced to a depth of 10 feet bgs and were sampled at 0.5, 5 and 10 feet bgs. All soil samples were analyzed by EPA Method 6010 for CAM Metals and 8260 for VOCs and by Method 8015M for TPH.

Analytical results indicated that barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, vanadium, zinc, and TPH, identified either as crude/waste oil ($TPH_{C10-C40}$) or hydraulic/motor oil ($TPH_{C20-C40}$), were detected at concentrations below the screening criteria. Arsenic concentrations exceeded the screening criterion of 2.4 mg/kg in the two 0.5-foot bgs samples (concentrations of 6.5 and 7.3 mg/kg). No VOCs were detected in any of the Second Landfill samples.

3.3.31 Agricultural Research Area

Two soil borings (AR-1 and AR-2) were advanced at the Agricultural Research Area where Etiwanda Generating Station process water was used in irrigation practices. Both borings were advanced to a depth of 3 feet bgs and were sampled at 0.5 foot and 3 feet bgs. All soil samples were analyzed by Method 6010 for CAM Metals.

Analytical results indicated that arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, or zinc were each detected at concentrations below screening criteria.

3.3.32 Quality Assurance/Quality Control Sample Analytical Results

Analytical data provided by BC Labs were evaluated by Geraghty & Miller chemistry staff to monitor the data for quality parameters and usability. The data validation evaluates the QA/QC measures taken by the laboratory to meet the project data quality objectives (DQOs). DQOs are discussed below in terms of accuracy, precision, completeness, and representativeness in this section. A summary of the validation results with respect to project DQOs is presented following the discussion of DQOs.

It should be noted that BC Labs has reported practical quantitation limits (PQLs) on all analytical reports. These PQLs represent the detection limits identified in the SAP/QAPP (Hydro-Search, CH2M Hill, Geraghty & Miller 1996).

3.3.32.1 Accuracy

The accuracy DQO for analyses performed during the Phase II ESA at the Etiwanda Generation Station investigation was evaluated based on the results of holding times, blanks, laboratory control samples, instrument calibrations, matrix spikes, and surrogate recoveries.

- **Holding Times** - Sample holding time compliance is related to accuracy because some analyte concentrations may change between the time of sample collection

and sample analysis. Some analytes can degrade or transform if analyses are not completed within specified holding times.

- **Blanks** - Blanks are analyzed to determine potential bias in the results of laboratory analyses. Bias can be the result of contamination imparted to samples in the field due to ambient conditions or due to inadequate equipment decontamination resulting in carryover contamination between samples. Equipment blanks were collected to evaluate such possible contamination. For VOCs, trip blanks are transported from and to the laboratory with the VOC sample containers to evaluate external sources of contamination. Laboratory method blanks and preparation blanks are analyzed to determine the presence of laboratory contamination or instrument bias that could affect analytical results.

- **Laboratory Control Samples and Instrument Calibration** - Laboratory control samples (LCSs) are analyzed as a measure of accuracy for sample batches. Instrument calibrations are checked as a measure of accuracy for the method, as well.

- **Matrix Spike Analyses** - Matrix spike (MS) and matrix spike duplicate (MSD) analyses are performed for both organic and inorganic analyses as an indication of accuracy for a specific matrix. BC Labs provides project sample-specific MS/MSD results for all sample batches, regardless of batch size. The MS/MSD results were considered to be representative for all samples submitted in the batch. For organic analyses, MS and MSD recoveries are used in conjunction with other QC data when data are qualified. Additionally, if a metal concentration exceeds the spiking concentration by four times, MS and MSD spike recoveries do not apply. The relative percent difference (RPD) comparison between MS and MSD recoveries is also evaluated and is discussed in the following section describing precision.

- **Surrogate Recoveries** - Surrogate spike compounds are added to each sample analyzed for organic compounds (VOCs, TPH, and PCBs). Surrogate recoveries are evaluated as a measure of system performance. Assessment of surrogate recoveries provides a measure of accuracy in terms of bias that may be imparted to sample results due to poor analytical system performance (i.e., leaking purge and trap for VOCs, or incomplete extraction for PCBs and TPH fractions). Surrogate recoveries can also provide an indication of potential matrix interference.

3.3.32.2 Precision

The precision DQO for the Phase II ESA at the Etiwanda Generating Station was evaluated based on the comparison of results of MS and MSD analyses and laboratory duplicate analyses.

- **MS/MSD Analyses** - One measure of precision is to evaluate the RPD comparison between project sample-specific MS and MSD recoveries.

- **Laboratory Duplicate Analyses** - Sample-specific laboratory duplicate analyses were performed for inorganic parameters as an additional measure of precision. BC Labs evaluated the precision between laboratory duplicate results as part of their internal method QC. If laboratory duplicate precision did not meet BC

Labs' control limits, the batch was re-extracted and re-analyzed for the analyte in question. If precision requirements were still not met, the data from the second set of analyses were reported and were subject to qualification.

3.3.32.3 Completeness

Completeness is calculated as the ratio of data considered to be usable (quantitative and/or estimated) to the entire population of data collected at a site. A total of 196 soil samples were collected during the Phase II ESA at the Etiwanda Generating Station investigation and most data were deemed usable, with the exception of two pH results. The project completeness DQO was satisfied for all target analytes.

3.3.32.4 Representativeness

Representativeness is a DQO that is satisfied through preparation of an appropriate QAPP and adherence to the plan. One of the primary QA/QC goals of the SAP/QAPP (Hydro-Search, CH2M Hill, Geraghty & Miller 1996) was to increase the likelihood that samples obtained would be representative of the source and that sufficient sample would be collected so that all required analyses could be performed. Representativeness, like accuracy, is associated with proper sample handling and adherence to required holding times between sample collection and analysis. Representativeness is not a quantitative DQO, with control limits and specific validation criteria. Instead, representativeness can be evaluated based on the ability to implement project analytical requirements successfully. For the Phase II ESA at the Etiwanda Generating Station, sufficient sample volume(s) were submitted to BC Labs and generally analyzed within holding times, such that the results could be used to evaluate environmental conditions of the site. The SAP/QAPP (Hydro-Search, CH2M Hill, Geraghty & Miller 1996) was successfully implemented and the representativeness DQO is considered to be satisfied.

3.3.32.5 Data Validation and Project Objectives

Analytical results and supporting QC data were reviewed to provide a comprehensive evaluation of the data. All qualified, or "flagged," sample results are indicated in Tables 4A and 4B in the column identified as "Flag" and discussed briefly below. Data validation reports are included in Appendix E.

Thirteen equipment blanks and seven trip blanks were submitted to and analyzed by BC Labs along with a total of 196 soil samples.

One fuel fraction of TPH was qualified as estimated in 19 samples because the chromatogram produced was not typical of the petroleum hydrocarbon standard. In each case ($TPH_{C10-C40}$ in four samples, $TPH_{C20-C40}$ in 11 samples, and $TPH_{C12-C25}$ in four samples) the fuel fraction was detected and the reported concentration is considered approximate. Soil screening levels for TPH are 1,000 milligrams per kilogram (mg/kg) for 4 to 12 carbon chain-length hydrocarbons (TPH_{C4-C12}), 10,000 mg/kg for $TPH_{C13-C22}$, and 50,000 mg/kg for $TPH_{C23-C32}$. The maximum qualified concentrations of TPH_{C12-25}, $TPH_{C10-C40}$, and $TPH_{C20-C40}$ were 340, 2,100, and 1,700 mg/kg, respectively, which are significantly below the screening level of 10,000 mg/kg. Although these data are qualified as estimated, the actual concentrations are considered to be below the screening level due to the relative insignificance of the reported result in comparison to the screening level, even in consideration of the data qualification. In another three samples, one or more TPH fractions

were qualified ("J" or "UJ"). Because surrogates were diluted out, some quality control parameters could not be measured. Of these samples, the only detected concentrations were 240 and 1,400 mg/kg of $TPH_{C20-C40}$. These results are significantly below the screening level of 10,000 mg/kg, and therefore, no action is taken on the qualification. In six samples, one or more fuel fractions were qualified because the data validation revealed a high bias, meaning that the reported concentration detected would tend to be higher than the actual sample concentration. Of these affected samples, the maximum concentrations were significantly lower than the screening criteria. Due to the high bias, no action is taken.

Selenium results for 36 samples were qualified as estimated due to a low laboratory control sample recovery. Selenium was not detected above the PQL of 1 mg/kg in 33 of these samples and was detected at 1.1 mg/kg in three samples. The screening criterion for selenium is 8,500 mg/kg. Because the screening criterion is so much greater than the highest detected concentration and because selenium was not an anticipated constituent of concern in the subject samples, the interpretation of the data evaluation is that the results are below the screening criterion. Also, nickel and vanadium were qualified as estimated in two samples because laboratory duplicate samples produced results outside of control limits. Reported results were less than 20 percent of the respective nickel and vanadium screening criteria; therefore, these sample results are interpreted to be below soil screening criteria.

The results of the pH analysis were qualified as estimated in 11 samples and rejected in two samples because the analysis was performed after the acceptable holding time. Detected pH values for these samples ranged from 4.2 to 9.6. As noted in the data validation report, pH should be analyzed as early as possible after sampling because chemical reactions and temperature fluctuations occurring after sampling may influence the pH. The two rejected results were analyzed after 14 days following sample collection. Reported pH results for these 13 samples do not indicate corrosive or hazardous conditions and soil pH is generally stable when held in the laboratory; therefore, the suspect pH results are assumed to be qualitatively representative of actual soil conditions.

The detected TCE concentration in one sample was qualified as not detected at or above the reported concentration due to the detection of TCE in a trip blank. This qualification effectively indicates that the actual concentration may be an indeterminate amount less than the reported value. The soil screening criterion for TCE is 17 mg/kg and the reported concentration was 0.0036 mg/kg. The qualification suggests that TCE may not be present at this location and, if present, is well below screening criterion.

Of the Method 8080 analyses performed, 4,4-DDE and 4,4-DDT were qualified as estimated ("J" flags) in Samples CS-1-0.5, CS-2-0.5, CS-2-3 because MS/MSD recoveries were excessively high, indicating a high laboratory bias. Of these samples, the reported concentrations were significantly lower than the screening criteria. Due to the high bias, no action is taken.

Of the Method 8270B analyses performed, endrin aldehyde was qualified as estimated ("UJ" flag) and benzidine, 2,4-dinitrophenol, endosulfan I, heptachlor epoxide, and 2-napthylamine were rejected ("R" flag) in Samples UP-1-0.5, UP-1-3, UP-2-0.5, and UP-2-3. The narrative description of Method 8270B acknowledges that many of the 89 compounds on the 8270B analyte list can only be estimated because not all respond well to the test method (2,4-dinitrophenol is cited as a poor responder). Furthermore, several compounds are not "target analytes" of the method, in that the compounds are more accurately

measured by another test method, such as 8080, for PCBs/pesticides. Endrin aldehyde, endosulfan I, and heptachlor epoxide are three such compounds that were qualified. These were not target analytes of this investigation and had Geraghty & Miller sought confirmation or quantitation of these compounds, Method 8080 PCBs/Pesticides would have been requested. The function of the four samples that were qualified was to assess whether compounds used in wood treatment, which would have been expressed as a variety of PAHs, were present in the soil. Because no 8270B analytes were reported to be present in these samples, Geraghty & Miller concludes that wood treatment chemicals have not impacted this area and no action is taken.

Each of the blanks submitted to the laboratory was analyzed and the results were evaluated. Thirteen equipment rinsate blanks were submitted in support of the investigation, representing approximately 5.9 percent of the total number of samples. This percentage exceeds the target frequency of 5 percent stated in the SAP/QAPP (Hydro-Search, CH2M Hill, Geraghty & Miller 1996), and is considered sufficient to evaluate possible field contamination. The frequency of laboratory method blank analyses satisfied method requirements for each type of analysis performed. Zinc, cadmium, and beryllium were detected in laboratory blanks; however, these occurrences did not result in data qualifications. Also, in addition to TCE as discussed above, 1,1-dichloroethene (1,1-DCE), tetrachloroethene (PCE), 1,1,1-trichloroethane (1,1,1-TCA), and chloroform were detected in a trip blank. Other than the qualified TCE result discussed above, these compounds were not detected in any of the associated samples and no action is required regarding the analytical result.

3.3.32.6 Validation Summary

All data packages received from BC Labs were validated by Geraghty & Miller chemistry staff and were found to be acceptable, with the exceptions noted in the previous section and detailed in the individual validation reports. The analytical results generated during the Phase II ESA were used to evaluate the environmental conditions at the Etiwanda Generating Station. The quality of analytical work performed was acceptable and sufficient to meet the requirements of the SAP/QAPP (Hydro-Search, CH2M Hill, Geraghty & Miller 1996). The overall project DQO, to collect data of technical soundness and legal defensibility, was achieved.

4.0 CONCLUSIONS AND RECOMMENDATIONS

A total of 31 site features, with the potential for historic or current releases of hazardous substances or petroleum products at the Etiwanda Generating Station and adjacent Edison-owned properties, have been identified on the basis of a Phase I ESA (CH2M Hill 1997) and on the basis of site visits, interviews with Edison staff, and historic document review conducted by Geraghty & Miller. The following sections discuss the conclusions and recommendations for each site feature investigated.

Several soil samples collected at various points of Surface Water Discharge (run-on and runoff) and in the vicinity of the Units 3 and 4 Cooling Towers, Sulfuric Acid Storage Tanks, Former Water Softener and Brine Pit, and the Second Landfill had arsenic concentrations in excess of the screening criterion (Table 4A). Because the wood used to construct the Cooling Towers was treated with a compound containing arsenic, the Cooling Towers represent a potential mechanism for airborne or subsurface arsenic dispersion. However, the screening criterion used for arsenic is a relatively low concentration that assumes conservatively protective human exposure conditions and is well below hazardous waste criteria which are developed for groundwater protection. Additionally, a report on element concentrations in soils of the conterminous United States, prepared by the U.S. Geological Survey (USGS), indicates that the mean arsenic background concentration in soil samples collected in the western United States is 7 mg/kg (USGS 1984). The range of arsenic background concentrations in soil in the western United States is quoted as <0.1 to 97 mg/kg (USGS 1984).

At Edison's request, groundwater sampling and analysis were outside the scope of work for this Phase II investigation. Any reference to groundwater wells, domestic supply wells or other groundwater conditions is provided for background purposes only. Geraghty & Miller has not reached any independent conclusions and has made no recommendations in connection with groundwater issues.

4.1 Conclusions and Recommendations by Site Features

4.1.1 Ameron and TAMCO Facilities (Off-Site)

Regulatory agency records indicate that the Ameron and TAMCO facilities north of the Etiwanda Generating Station have impacted soil near the station, although these impacts may not have been completely delineated. Based upon investigative data available for review by Geraghty & Miller it does not appear that releases at the Ameron and TAMCO facilities (other than Waste Discharges, Section 4.1.2) have impacted soil at the generating station. Groundwater investigation information for Ameron and TAMCO was not included in documents available for review by Geraghty & Miller. This Phase II ESA investigation's scope of work did not include groundwater sampling and analysis.

Based on these results, no further action is recommended for soil. Because groundwater sampling and analysis were outside the scope of work for their Phase II investigation, no conclusions or recommendations are made in connection with groundwater issues.

4.1.2 Waste Discharges (From Off-Site)

Regulatory agency records indicate that historical surface releases from the TAMCO facility north of the Etiwanda Generating Station have impacted soil at the generating station and to the west of the Edison-owned property. Phase II ESA sampling and analysis conducted by Geraghty & Miller in Chadwick Channel did not indicate significant environmental impact in the channel. The Santa Ana Region of the CRWQCB reviewed the Chadwick Channel investigation conducted independently by Edison and concluded that no further action was required. Based on these results, no further action is recommended at the channel.

4.1.3 Retention Basins

The Retention Basins, including the north and south Retention Basins, the demineralizer basin, and the adjacent acid and caustic tanks, were not addressed in the Phase II ESA scope of work conducted by Geraghty & Miller because of on-going, concurrent investigations that are being conducted independently by Edison. As a result, no conclusions are drawn for the Retention Basins.

4.1.4 Aboveground Storage Tanks

The investigation around the Aboveground Storage Tanks was limited due to the Phase II ESA scope of work. However, based on the level of sampling conducted during the Phase II investigation, no further action is recommended at this time at the aboveground fuel oil, displacement oil, and distillate fuel storage tanks. Agency negotiation, additional sampling, and/or remediation may be necessary or appropriate as part of station decommissioning.

4.1.5 USTs

Previous soil sampling and analysis (Hinkel and Merrian 1985) in the vicinity of three former USTs detected TRPH at concentrations below screening criteria. The dual wall 550-gallon unleaded tank installed in 1986 is equipped with interstitial monitoring. Based on review of the reports available to Geraghty & Miller, no further action is recommended at the 550-gallon UST.

4.1.6 Tank Containment Structures

The Phase II sampling detected TPH at concentrations below screening criteria at the Containment Structures for Aboveground Storage Tanks. See the Aboveground Storage Tanks Section for investigation conclusions and recommendations.

4.1.7 Transformers

The Phase II sampling detected TPH and PCBs at concentrations below the screening criteria at the select transformers investigated. The Phase II investigation of the transformers was limited due to restricted access. No further action is recommended at this time. However, agency negotiation, sampling, and/or remediation may be necessary or appropriate as part of station decommissioning.

4.1.8 Surface Water Discharge

The Phase II sampling detected TPH and VOCs at concentrations below the screening criteria at various run-on and runoff points. Arsenic was detected in soils at a concentration that exceeded the screening criterion. It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.

4.1.9 Pipelines

The Phase II sampling detected TPH, PCBs, and CAM Metals at concentrations below the screening criteria at various Pipeline locations. Arsenic was detected in samples at a concentration that exceeded the screening criterion. It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.

Although only arsenic soil impacts were detected in samples collected during the Phase II ESA in the vicinity of the lead-lined Pipeline, it was confirmed that the Pipeline does contain lead. As such, Edison may wish to remove the abandoned lead-lined Pipeline as a potential future source of environmental impact.

4.1.10 Cooling Towers

Soil samples in the vicinity of the Units 3 and 4 Cooling Towers exhibited arsenic concentrations in excess of the screening criteria. It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.

Due to restricted access, no samples were collected to evaluate the former incinerator previously located at the Unit 3 Cooling Tower. It is anticipated that agency negotiation, additional investigation, and/or remediation may be necessary at the former incinerator as part of station decommissioning.

4.1.11 Hazardous Waste Storage Area

The Phase II ESA sampling and analysis detected CAM Metals at concentrations below the screening criteria; therefore, no further action is recommended at the Hazardous Waste Storage Area.

4.1.12 Drains and Sumps

Not all Drains and Sumps were addressed in the Phase II scope of work because of on-going, concurrent investigations that are being conducted independently by Edison. Phase II ESA conclusions and recommendations for Drains and Sumps that were investigated are included in the Powerblock, Pipelines, Aboveground Storage Tanks, and Peaker Unit Sections.

4.1.13 Solid Waste Disposal Area (Landfill)

The Phase II ESA sampling and analysis detected CAM Metals at concentrations below the screening criteria. TPH and VOCs were not detected. Based on the Phase II ESA results at the Landfill, no further action is recommended.

4.1.14 Water Supply Wells

Evaluation of available, historic monitoring records and regional hydrogeology indicates no apparent impact to groundwater near the Edison-owned groundwater production wells. Based on limited data reviewed, no past impacts to Edison-owned wells are documented.

Because groundwater sampling and analysis were outside the scope of work for this Phase II investigation, no conclusions or recommendations are made in connection with groundwater issues.

4.1.15 Spills

Conclusions and recommendations for the Spills investigated as part of the Phase II ESA are included in the Powerblock and the Site of 1995 Reported Transformer Oil Spill sections.

4.1.16 Scrap Metal Yard

The Phase II ESA sampling and analysis detected TPH and CAM Metals at concentrations below the screening criteria. No PCBs or VOCs were detected. Based on the Phase II ESA results for the Scrap Metal Yard, no further action is recommended.

4.1.17 Septic Systems

The Phase II ESA sampling and analysis detected nitrates at concentrations below the screening criteria. No VOCs were detected. Based on the Phase II ESA results around the three Septic Systems, no further action is recommended.

4.1.18 Site of 1995 Reported Transformer Oil Spill

The Phase II ESA sampling and analysis detected TPH at concentrations below the screening criteria. Based on the Phase II ESA results, no further action is recommended.

4.1.19 Vineyard Water Tank

The Phase II ESA sampling and analysis detected pesticides at concentrations below the screening criteria. Based on the Phase II ESA results, no further action is recommended.

4.1.20 Peaker Unit Floor Drain and Sump

The Phase II ESA sampling and analysis did not detect TPH at the Peaker Unit Floor Drain and Sump. Therefore, no further action is recommended at this feature.

4.1.21 Bone Yard (Laydown Area)

The Phase II ESA sampling and analysis detected TPH, CAM Metals, xylenes, and TCE at concentrations below the screening criteria at the Bone Yard. Therefore, no further action is recommended at this feature.

4.1.22 Powerblock

The Phase II sampling and analysis detected arsenic at concentrations that exceeded the screening criteria in a boring along Chadwick Channel adjacent to the Powerblock. In addition, a soil sample from the same boring indicated a concentration of nickel that exceeded the California hazardous waste criterion (TTLC). Because of the nickel exceedance, Edison conducted further sampling and analysis, soil excavation, confirmation sampling and analysis, and backfilling to remediate the area. Based on the report supplied by Edison, the remediation is complete and no further action is recommended in this area.

At other sampling locations in and around the Powerblock, results detected TPH, CAM Metals, and PCBs below the screening criteria. The Phase II ESA investigation of the Powerblock was limited due to restricted access. No further action is recommended at this time. However, agency negotiation, sampling, and/or remediation may be necessary or appropriate as part of station decommissioning.

4.1.23 Switchyard Perimeter

The Phase II ESA sampling and analysis detected TPH, CAM Metals, and PCBs at concentrations below the screening criteria around the perimeter of the Switchyard. As a result of the Phase II ESA, no further action is recommended at the Switchyard Perimeter.

4.1.24 Sulfuric Acid Storage Tanks

Soil samples collected in the vicinity of the Sulfuric Acid Storage Tanks contained concentrations of arsenic that exceeded the screening criteria. It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.

4.1.25 Former Water Softener and Brine Pit

One soil sample in the vicinity of the Former Water Softener and Brine Pit showed an arsenic concentration that exceeded the screening criteria. It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.

4.1.26 Boiler Chemical Cleaning Basin

Previous soil sampling conducted by Edison detected CAM Metals at concentrations below the screening criteria for all analytes evaluated except arsenic which exceeded the screening criteria. No Phase II ESA activities were conducted in this area because on-going concurrent investigations are being conducted independently by Edison. As a result, no conclusions are drawn for the Boiler Chemical Cleaning Basin.

4.1.27 Possible Underground Storage Tank (Drawing 5625202)

The Phase II ESA activities, including a geophysical survey and soil sampling and analysis, did not provide any evidence of an existing or former UST at the location identified on Edison Drawing 5625202. Analyses of soil samples collected from the area did not detect any TPH. Because the location of this UST was not confirmed and future demolition work near the carport area may allow access to or encounter this possible UST, no further action is recommended at this time. However, agency negotiation, sampling, and/or remediation may be required as part of station decommissioning.

4.1.28 Boiler Wash Water Storage Tank Area and Units 1 & 2 Cooling Tower Sludge Dewatering Area

The Phase II ESA sampling and analysis detected TPH and CAM Metals at concentrations below the screening criteria. As a result, no further action is recommended at the Boiler Waste Water Storage Tank Area and Units 1 & 2 Cooling Tower Sludge Dewatering Area.

4.1.29 Utility Pole Storage

The Phase II ESA sampling analysis did not detect PAHs at this feature. As a result, no further action is recommended.

4.1.30 Second Solid Waste Disposal Area (Second Landfill)

The Phase II ESA sampling and analysis detected TPH and/or VOCs at concentrations below the screening criteria. Arsenic was detected at concentrations that exceeded the screening criterion in two samples. It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.

4.1.31 Agricultural Research Area

The Phase II ESA sampling and analysis detected CAM Metals at concentrations below the screening criteria. As a result, no further action is recommended at the Agricultural Research Area.

4.2 Summary of Conclusions and Recommendations

Two of the 31 site features were not addressed in the Phase II scope of work because of on-going, concurrent investigations that are being conducted independently by Edison. As a result, no conclusions are drawn regarding these site features. These site features are:

- Retention Basins; and
- Boiler Chemical Cleaning Basin.

Two of the site features are related to groundwater issues. Because the Phase II ESA scope was limited to review of available documents only, no conclusions or recommendations are made in connection with groundwater issues for these two site features. These site features are:

- Ameron and TAMCO Facilities (Off-Site); and
- Water Supply Wells.

Three of the site features, as listed above, were combined with other site features during the Phase II investigation. These include:

- Tank Containment Structures;
- Drains and Sumps; and
- Spills.

Six site features were identified as having arsenic concentrations in soil that exceeded the screening criteria (Table 4A). It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use. These features are:

- Surface Water Discharge;
- Pipelines;
- Cooling Towers (the former incinerator will be addressed at time of decommissioning);
- Sulfuric Acid Storage Tanks;
- Former Water Softener and Brine Pit; and
- Second Solid Waste Disposal Area (Second Landfill).

At four of the site features, no further action is recommended at this time; however, agency negotiation, additional sampling, and/or remediation may be necessary or appropriate as part of decommissioning. These site features are:

- Aboveground Storage Tanks;
- Transformers;
- Powerblock; and
- Possible UST (Drawing 5625202).

Based on the Phase II investigation, the remaining 14 site features were identified as requiring no further action:

- Waste Discharges (From Off-Site);
- Underground Storage Tanks;
- Hazardous Waste Storage Area;
- Solid Waste Disposal Area (Landfill);
- Scrap Metal Yard;
- Septic Systems;

- Site of 1995 Reported Transformer Oil Spill;
- Vineyard Water Tank;
- Peaker Unit Floor Drain and Sump;
- Bone Yard (Laydown Area);
- Switchyard Perimeter;
- Boiler Wash Water Storage Tank Area and Units 1 & 2 Cooling Tower Sludge Dewatering Area;
- Utility Pole Storage; and
- Agricultural Research Area.

Based on the data validation conducted for this Phase II ESA, the quality of analytical work performed was acceptable and was sufficient to meet the requirements of the SAP/QAPP. The overall project data quality objective, to collect data of technical soundness and legal defensibility, was achieved.

5.0 LIMITATIONS

This report has been prepared for the exclusive use of Edison for the specific purpose of evaluating the potential environmental liability associated with the Etiwanda Generating Station. No warranty, expressed or implied, is made. Geraghty & Miller makes no representation regarding whether this investigation constitutes "all appropriate inquiry into the previous ownership and uses of this property consistent with good commercial or customary practice" as defined in Section 101 (35)(B) of CERLA. There are no beneficiaries of this report other than Edison, and no third party is entitled to rely upon this report without the written authorization of Geraghty & Miller, and a written agreement limiting Geraghty & Miller's liability.

Geraghty & Miller is not responsible for any claims, damages, or liabilities associated with the interpretation of these findings or reuse of the analysis, associated site data, or recommendations by third parties without the express written authorization of Geraghty & Miller. Limitations of this assessment may not be altered or waived without written consent of Geraghty & Miller.

It was beyond Geraghty & Miller's scope of work to conduct any field activities associated with groundwater. It was also beyond Geraghty & Miller's authorized scope of work to review: (1) materials containing asbestos, (2) the presence or radon, (3) the presence or lead-based paint, (4) lead in drinking water, (5) identification or delineation of jurisdictional wetlands, (6) issues associated with worker health and safety, (7) issues pertaining to compliance with environmental regulations, or (8) liabilities associated with the offsite management of solid or hazardous wastes. It was also beyond the scope of work to conduct interviews with local government officials. the exclusion of the above items is not a representation of the relevance of these nonscope considerations to the subject property.

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. These services were performed consistent with our agreement with our client.

This is a technical report and is not a legal representation or interpretation of environmental laws, rules, regulations, or policies of local, state, or federal governmental agencies. We also do not warrant the accuracy of information supplied by others nor the use of segregated portions of this report.

Any opinions or recommendations presented herein apply to site conditions existing when services were performed. Geraghty & Miller is unable to report on or accurately predict events that may change the site conditions after the described services are performed, whether occurring naturally or caused by external forces.

No investigation is thorough enough to exclude the presence of hazardous substances at a given site. If hazardous substances or hazardous conditions have not been identified during the assessment, such a finding should not therefore be construed as a guarantee of the absence of such substances or conditions, but rather as the result of the services performed within the scope and limitations of the work performed.

SIGNATURE PAGE

ETIWANDA GENERATING STATION
PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 6, 1997

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Table 1

Summary of Investigated Site Features
Etiwanda Generating Station

	Site Feature	Issue	Phase II Investigation	Phase II Investigation Results	Recommendations
Current and Past Use of Off-Site Properties					
1.	Ameron and TAMCO Facilities (Off-Site)	Stormwater and soil contamination.	A records review was conducted.	Available records indicated that soil at these facilities had metals concentrations exceeding hazardous waste criteria. Impacts to Edison property have been linked to water discharge from these facilities.	No conclusions or recommendations are made due to limited scope of investigation.
2.	Waste Discharges (From Off-Site)	TAMCO Facility contaminated stormwater.	Previous investigation collected 167 sediment samples along Chadwick Channel following a release from TAMCO (which is north of the Etiwanda Generating Station). A records review was conducted.	Reported surface discharges from the north may have impacted surface run-on to the facility.	No further action.
Current and Past Use of Etiwanda Generating Station Property					
3.	Retention Basins	Potential subsurface contamination from leaks.	On-going Leak Detection Investigation being conducted independently by Edison.	Not applicable.	Not applicable.
4.	Aboveground Storage Tanks	Potential subsurface contamination from installation and leaks.	Previous Edison sampling included a total of 13 borings below and around Aboveground Storage Tanks (SEFO, SWFO, and distillate oil).	Previous sampling detected TPH below SC.	No further action at this time. Agency negotiation, additional sampling and/or remediation may be necessary or appropriate as part of decommissioning.
			Phase II sampling included:		
			Soil sampling @ NEFO tank (3 borings)	Phase II sampling detected TPH at concentrations below SC.	No further action at this time. Agency negotiation, additional sampling and/or remediation may be necessary or appropriate as part of decommissioning.

Table 1

Summary of Investigated Site Features
Etiwanda Generating Station

Site Feature	Issue	Phase II Investigation	Phase II Investigation Results	Recommendations
Aboveground Storage Tanks (continued)		Soil sampling @ NWFO tank (3 borings)	Phase II sampling detected TPH at concentrations below SC.	No further action at this time. Agency negotiation, additional sampling and/or remediation may be necessary or appropriate as part of decommissioning.
		Soil sampling @ CEFO tank (3 borings)	Phase II sampling detected TPH at concentrations below SC.	No further action at this time. Agency negotiation, additional sampling and/or remediation may be necessary or appropriate as part of decommissioning.
		Soil sampling @ CWFO tank (3 borings)	Phase II sampling detected TPH at concentrations below SC.	No further action at this time. Agency negotiation, additional sampling and/or remediation may be necessary or appropriate as part of decommissioning.
		Soil sampling @ distillate oil tank loading area (1 boring)	Phase II sampling did not detect TPH.	No further action at this time. Agency negotiation, additional sampling and/or remediation may be necessary or appropriate as part of decommissioning.
		Soil sampling @ displacement oil tank (2 borings)	Phase II sampling detected TPH at concentrations below SC.	No further action at this time. Agency negotiation, additional sampling and/or remediation may be necessary or appropriate as part of decommissioning.
5. Underground Storage Tanks	Suspected subsurface contamination from leaks.	Previous Edison sampling included 5 borings near maintenance area vehicle fuel USTs. No other action taken per Phase I conclusion.	Previous sampling detected TPH at concentrations below SC.	No further action.
6. Tank Containment Structures	Contaminated soils from leak at NWFO tank area.	Phase II investigation included 14 borings in the vicinity of Tank Containment Structures. See Aboveground Storage Tanks Section.	See Aboveground Storage Tanks Section for Phase II investigation results.	See Aboveground Storage Tanks Section for recommendations.

Table 1

Summary of Investigated Site Features
Etiwanda Generating Station

Site Feature	Issue	Phase II Investigation	Phase II Investigation Results	Recommendations
7. Transformers	Suspected subsurface contamination from leaks and spills.	Phase II sampling included a total of 7 borings from soil by the Transformers in the Powerblock and Peaker Unit areas.	Phase II sampling detected TPH and PCBs at concentrations below SC.	No further action at this time. Agency negotiation, additional sampling and/or remediation may be necessary or appropriate as part of decommissioning.
8. Surface Water Discharge	Suspected contamination of soils from on-site and off-site drainage.	Phase II sampling included 6 borings at surface water entry and discharge points.	Phase II sampling results detected TPH and VOCs at concentrations below SC. Only arsenic concentrations exceeded SC.	It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.
9. Pipelines	Suspected subsurface contamination from leaks.	Phase II sampling included a total of 13 borings along the length of selected underground Pipelines:		
		Pig launching sump (1 boring)	Phase II sampling did not detect TPH.	No further action.
		Primary fuel pumping area (3 borings)	Phase II sampling detected TPH at concentrations below SC.	No further action.
		Truck fuel oil loading area (2 borings)	Phase II sampling detected TPH at concentrations below SC.	No further action.
		Distillate fuel underground Pipeline (2 borings)	Phase II sampling did not detect TPH at this feature.	No further action.
		Lead-lined Acid Pipeline (3 borings)	Phase II sampling detected CAM Metals. Only arsenic concentrations exceeded SC. TPH were detected below SC. Lead is suspected in pipe.	It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.

Table 1

Summary of Investigated Site Features
Etiwanda Generating Station

Site Feature	Issue	Phase II Investigation	Phase II Investigation Results	Recommendations
Pipelines (continued)		Distillate waste fuel Pipeline (2 borings)	Phase II sampling detected TPH and PCBs at concentrations below SC.	No further action.
10. Cooling Towers	Suspected soil and groundwater contamination.	Phase II sampling included a total of 9 borings at Units 1 through 4 Cooling Towers.		
		Units 1&2 Cooling Towers (3 borings)	Phase II sampling detected CAM Metals at concentrations below SC.	No further action.
		Unit 3 Cooling Towers (3 borings)	Phase II sampling detected CAM Metals. Only arsenic concentrations exceeded SC.	It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.
		Unit 4 Cooling Towers (3 borings)	Phase II sampling detected CAM Metals. Only arsenic concentrations exceeded SC.	It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.
	Former location of incinerator previously located at Unit 3 Cooling Towers.	Phase II investigation included aerial review to locate former incinerator. No sampling was conducted.	Former incinerator was identified in 1959 aerial photograph.	No further action at this time. Agency negotiation, additional sampling and/or remediation may be necessary or appropriate as part of decommissioning.

Table 1

Summary of Investigated Site Features
Etiwanda Generating Station

	Site Feature	Issue	Phase II Investigation	Phase II Investigation Results	Recommendations
11.	Hazardous Waste Storage Area	Suspected inadequate containment curb.	Phase II sampling included 1 boring in the Hazardous Waste Storage Area.	Phase II sampling detected CAM Metals at concentrations below SC. TPH was not detected.	No further action.
12.	Drains and Sumps	Suspected subsurface contamination from leaks.	Phase II investigation included 9 borings in the vicinity of Drains and Sumps. See Powerblock, Pipelines, Aboveground Storage Tanks, and Peaker Unit Sections.	See Powerblock, Pipelines, Aboveground Storage Tanks, and Peaker Unit Sections for Phase II investigation results.	See Powerblock, Pipelines, Aboveground Storage Tanks, and Peaker Unit Sections for recommendations.
13.	Solid Waste Disposal Area (Landfill)	Suspected unknown Landfill contamination.	Phase II sampling included 3 borings at the Landfill.	Phase II sampling detected CAM Metals at concentrations below SC. VOCs and TPH were not detected.	No further action.
14.	Water Supply Wells	On a site walk during the Phase II investigation, an apparent monitoring well was observed, in addition to the three production wells on site.	On-going concurrent Leak Detection Investigations being conducted independently by Edison. In addition, Phase II investigation researched regional and local groundwater conditions.	Not applicable.	No conclusions or recommendations are made due to limited scope of investigation.
15.	Spills	Past spill subsurface contamination in various locations.	Phase II investigation included 4 borings in areas of Spills. See Powerblock, Aboveground Storage Tanks, and Site of 1995 Reported Transformer Oil Spill Sections.	See Powerblock, Aboveground Storage Tanks, and Site of 1995 Reported Transformer Oil Spill Sections for Phase II investigation results.	See Powerblock, Aboveground Storage Tanks, and Site of 1995 Reported Transformer Oil Spill Sections for recommendations.

Table 1

Summary of Investigated Site Features
Etiwanda Generating Station

Site Feature	Issue	Phase II Investigation	Phase II Investigation Results	Recommendations
Additional Areas:				
16. Scrap Metal Yard	Edison reported possible mercury release.	Phase II sampling included 1 boring adjacent to the Scrap Metal Yard.	Phase II sampling detected TPH and CAM Metals at concentrations below SC. PCBs and VOCs were not detected.	No further action.
17. Septic Systems	Edison reported possible waste release; three Septic Systems identified on EGS drawings 539339 & 562519.	Phase II sampling included a total of 6 borings associated with three Septic Systems.	Phase II sampling detected nitrates at concentrations below SC. VOCs were not detected.	No further action.
18. Site of 1995 Reported Transformer Oil Spill	Edison reported possible oil release.	Phase II sampling included 2 borings in reported oil release location.	Phase II sampling detected TPH concentrations below SC.	No further action.
19. Vineyard Water Tank	Observed in site walk.	Phase II investigation included 2 borings near the Vineyard Water Tank.	Phase II sampling detected pesticides at concentrations below SC.	No further action.
20. Peaker Unit Floor Drain and Sump	Edison reported sump overfill and release.	Phase II sampling included 2 borings in and near the Peaker Unit building.	Phase II sampling did not detect TPH.	No further action.
21. Bone Yard (Laydown Area)	Edison reported possible waste release; Bone Yard (Laydown Area) identified on 1995 aerial photograph.	Phase II sampling included 4 borings in the Bone Yard (Laydown Area).	Phase II sampling detected TPH, CAM Metals, xylenes and TCE at concentrations below SC.	No further action.

Table 1

Summary of Investigated Site Features
Etiwanda Generating Station

	Site Feature	Issue	Phase II Investigation	Phase II Investigation Results	Recommendations
22.	Powerblock	Potential for soil contamination.	Phase II sampling included 10 borings in and around Units 1 & 2 and 3 & 4 Powerblock Areas. Subsequent to Phase II sampling and analysis, Edison conducted excavation and confirmation sampling in area of nickel concentrations which exceeded California hazardous waste criterion.	Phase II sampling detected arsenic at concentrations above SC. Other CAM Metals, TPH, and PCBs were below SC. Soil containing nickel at concentrations exceeding California hazardous waste criterion was removed.	No further action at this time. Agency negotiation, additional sampling and/or remediation may be necessary or appropriate as part of decommissioning.
23.	Switchyard Perimeter	Potential for soil contamination.	Phase II sampling included 6 borings along the perimeter of the Switchyard.	Phase II sampling detected CAM Metals, PCBs, and TPH at concentrations below SC.	No further action.
24.	Sulfuric Acid Storage Tanks	Reported and suspected leaks.	Soil sampling @ Unit 1&2 Sulfuric Acid Storage Tank (2 borings).	Phase II sampling detected CAM Metals at concentrations below SC.	No further action.
			Soil sampling @ Unit 3 Sulfuric Acid Storage Tank (2 borings).	Phase II sampling detected CAM Metals. Only arsenic concentrations exceeded SC.	It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.
			Soil sampling @ Unit 4 Sulfuric Acid Storage Tank (2 borings).	Phase II sampling detected CAM Metals at concentrations below SC.	No further action.
25.	Former Water Softener and Brine Pit	Edison reported possible acid release; Former Water Softener and Brine Pit identified on Edison drawing 71540-4.	Phase II sampling included 2 borings near the Former Water Softener and Brine Pit.	Phase II sampling detected CAM Metals. Only arsenic concentrations exceeded SC.	It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.

Table 1

Summary of Investigated Site Features
Etiwanda Generating Station

	Site Feature	Issue	Phase II Investigation	Phase II Investigation Results	Recommendations
26.	Boiler Chemical Cleaning Basin	Potential for soil and groundwater contamination.	Previous Edison sampling included 4 borings near Boiler Chemical Cleaning Basin. On-going Leak Detection Investigation being conducted independently by Edison.	Previous sampling detected CAM Metals at concentrations below the SC. TCE, pentachlorophenol, and TPH were not detected.	Not Applicable.
27.	Possible Underground Storage Tank (Drawing 5625202)	Potential for soil and groundwater contamination.	Phase II sampling included geophysical survey and 2 borings at suspected (or possible) former UST location.	Phase II sampling did not detect TPH.	No further action at this time. Agency negotiation, additional sampling and/or remediation may be necessary or appropriate as part of decommissioning.
28.	Boiler Wash Water Storage Tank Area and Units 1 & 2 Cooling Tower Sludge Dewatering Area	Potential for soil and groundwater contamination.	Phase II sampling included 3 borings at the Boiler Wash Water Storage Tank Area (2 borings) and Units 1 & 2 Cooling Tower Sludge Dewatering Area (1 boring).	Phase II sampling detected CAM Metals and TPH at concentrations below SC.	No further action.
29.	Utility Pole Storage	Potential leaching to soil from treated pole storage.	Phase II investigation included 2 borings at the Utility Pole Storage area.	Phase II sampling did not detect PAHs.	No further action.
30.	Second Solid Waste Disposal Area (Second Landfill)	Potential leaching to soil from debris pile.	Phase II investigation included 2 borings at the Second Landfill.	Phase II sampling detected arsenic at concentrations that exceeded SC. TPH was detected below SC. No VOCs were detected.	It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.

Table 1

Summary of Investigated Site Features
Etiwanda Generating Station

	Site Feature	Issue	Phase II Investigation	Phase II Investigation Results	Recommendations
31.	Agricultural Research Area	Potential soil contamination from irrigation using recycled condenser water.	Phase II investigation included 2 borings at the Agricultural Research Area.	Phase II sampling detected CAM Metals at concentrations below SC.	*No further action.*

CAM	California Assessment Manual
CEFO	Center-east fuel oil
CWFO	Center-west fuel oil
NEFO	Northeast fuel oil
NWFO	Northwest fuel oil
PAHs	Polyaromatic hydrocarbons
PCBs	Polychlorinated biphenyls

SC	Screening criteria
SEFO	Southeast fuel oil
SWFO	Southwest fuel oil
TCE	Trichloroethene
TPH	Total petroleum hydrocarbons
UST	Underground storage tank
VOCs	Volatile organic compounds

Table 2

Summary of Previous Site Investigative Data
Etiwanda Generating Station

Sample (ID)	Media	Analysis	Results	Reference Document
Waste Discharges (From Off-Site)				
Soil samples were collected from throughout Chadwick Channel and the spreading basin at the south end of the site. In this investigation: 167 samples were analyzed for TRPH; 38 samples were analyzed for CAM Metals; and 36 were analyzed for soluble concentrations of CAM Metals.			All TRPH results below screening criteria for TPH. Arsenic concentrations exceeded SC in 38 samples. Some metals concentrations exceeded California (non-RCRA) Hazardous Waste Criteria.	Goodson 1985.
Retention Basins				
Edison is presently conducting a leak detection investigation; results are not yet available.				Edison 1996.
Aboveground Storage Tanks				
OB-1/SE	Soil	TPH (418.1)	74 ppm @ 0.5 foot bgs 112 ppm @ 1.0 foot bgs 8 ppm @ 3.0 feet bgs	Baseline Tank Study Report South East, South West and Distillate Above Ground Oil Storage Tanks (Edison 1995).
OB-2/SE	Soil	TPH (418.1)	10 ppm @ 0.5 foot bgs 8 ppm @ 1.0 foot bgs 7 ppm @ 3.0 feet bgs	
OB-3/SE	Soil	TPH (418.1)	302 ppm @ 0.5 foot bgs 8 ppm @ 1.0 foot bgs 8 ppm @ 3.0 feet bgs	
OB-4/SE	Soil	TPH (418.1)	46 ppm @ 0.5 foot bgs 10 ppm @ 1.0 foot bgs 4 ppm @ 3.0 feet bgs	
OB-1/SW	Soil	TPH (418.1)	29 ppm @ 0.5 foot bgs 5 ppm @ 1.0 foot bgs <4 ppm @ 3.0 feet bgs	

Table 2

Summary of Previous Site Investigative Data
Etiwanda Generating Station

Sample (ID)	Media	Analysis	Results	Reference Document
OB-2/SW	Soil	TPH (418.1)	122 ppm @ 0.5 foot bgs 8 ppm @ 1.0 foot bgs 8 ppm @ 3.0 feet bgs	
OB-3/SW	Soil	TPH (418.1)	84 ppm @ 0.5 foot bgs 6 ppm @ 1.0 foot bgs 6 ppm @ 3.0 feet bgs	
OB-4/SW	Soil	TPH (418.1)	58 ppm @ 0.5 foot bgs 7 ppm @ 1.0 foot bgs 6 ppm @ 3.0 feet bgs	
IB-1	Soil	TPH (418.1)	6 ppm @ 0.5 foot bgs 8 ppm @ 1.0 foot bgs 8 ppm @ 3.0 feet bgs	
IB-2	Soil	TPH (418.1)	<4 ppm @ 0.5 foot bgs <4 ppm @ 1.0 foot bgs <4 ppm @ 3.0 feet bgs	
IB-3	Soil	TPH (418.1)	9 ppm @ 0.5 foot bgs <4 ppm @ 1.0 foot bgs <4 ppm @ 3.0 feet bgs	
IB-4	Soil	TPH (418.1)	<4 ppm @ 0.5 foot bgs 14 ppm @ 1.0 foot bgs <4 ppm @ 3.0 feet bgs	
IB-5	Soil	TPH (418.1)	<4 ppm @ 0.5 foot bgs 8.4 ppm @ 1.0 foot bgs <4 ppm @ 3.0 feet bgs	

Table 2

Summary of Previous Site Investigative Data
Etiwanda Generating Station

Sample (ID)	Media	Analysis	Results	Reference Document
Underground Storage Tanks				
SB-1	Soil	TPH (418.1)	8.8 ppm @ 5 feet bgs 6. ppm @ 10 feet bgs 6. ppm @ 20 feet bgs 9.3 ppm @ 30 feet bgs <1 ppm @ 40 feet bgs	Miscellaneous documents regarding removal of 550-gal. kerosene tank, 120-gal. naphtha tank, & 550-gal. gasoline tank, including Soil Testing and Geologic Investigation Tank Abandonment Study (Hinkle, D. and Merrian, R. 1985).
SB-2	Soil	TPH (418.1)	11 ppm @ 10 feet bgs 7.0 ppm @ 20 feet bgs <1 ppm @ 30 feet bgs <1 ppm @ 40 feet bgs	
SB-3	Soil	TPH (418.1)	7.8 ppm @ 5 feet bgs 4.9 ppm @ 10 feet bgs <1 ppm @ 20 feet bgs <1 ppm @ 30 feet bgs <1 Ppm @ 40 feet bgs	
SB-4	Soil	TPH (418.1)	<1 ppm @ 5 feet bgs 3 ppm @ 10 feet bgs <1 ppm @ 20 feet bgs <1 ppm @ 30 feet bgs <1 ppm @ 40 feet bgs	
SB-5	Soil	TPH (418.1)	<1 ppm @ 5 feet bgs <1 ppm @ 10 feet bgs <1 ppm @ 20 feet bgs <1 ppm @ 30 feet bgs <1 ppm @ 40 feet bgs	
Tank Containment Structures				
No information available in documentation supplied by Edison.				No documents available.

Table 2

Summary of Previous Site Investigative Data
Etiwanda Generating Station

Sample (ID)	Media	Analysis	Results	Reference Document
Transformers				
No information available in documentation supplied by Edison.				No documents available.
Surface Water Discharge				
No information available in documentation supplied by Edison.				No documents available.
Pipelines				
No information available in documentation supplied by Edison.				No documents available.
Cooling Towers				
No information available in documentation supplied by Edison.				No documents available.
Hazardous Waste Storage				
No information available in documentation supplied by Edison.				No documents available.
Drains and Sumps				
No information available in documentation supplied by Edison.				No documents available.
Solid Waste Disposal Area (Landfill)				
No information available in documentation supplied by Edison.				No documents available.

Table 2

Summary of Previous Site Investigative Data
Etiwanda Generating Station

Sample (ID)	Media	Analysis	Results	Reference Document
Water Supply Wells				
Edison is presently conducting a leak detection investigation; results are not yet available.				Edison 1996.
Spills				
No information available in documentation supplied by Edison.				No documents available.
Scrap Metal Yard				
No information available in documentation supplied by Edison.				No documents available.
Septic Systems				
Edison has not acted on this proposal to enhance system performance.				Units 1 & 2 Septic Systems, Letter Report Assessing Alternatives for System Enhancement - (Johns, D. 1996).
Site of 1995 ReportedTransformer Oil Spill				
No information available in documentation supplied by Edison.				No documents available.
Vineyard Water Tank				
No information available in documentation supplied by Edison.				No documents available.
Peaker Unit Floor Drain and Sump				
No information available in documentation supplied by Edison.	No documents available.			

Summary of Previous Site Investigative Data
Etiwanda Generating Station

Sample (ID)	Media	Analysis	Results	Reference Document
Bone Yard (Laydown Area)				
Edison is presently conducting a leak detection investigation; results are not yet available.				Edison 1996.
Powerblock				
CC1-0.5	Soil	Nickel	6.2 mg/kg	Edison 1997a.
CC1-2.5	Soil	Nickel	8.9 mg/kg	Edison 1997a.
CC1-5.0	Soil	Nickel	25.5 mg/kg	Edison 1997a.
CC2-0.5	Soil	Nickel	124 mg/kg	Edison 1997a.
CC2-2.5	Soil	Nickel	5.8 mg/kg	Edison 1997a.
CC2-5.0	Soil	Nickel	4.7 mg/kg	Edison 1997a.
CC3-0.5	Soil	Nickel	5.3 mg/kg	Edison 1997a.
CC3-2.5	Soil	Nickel	12.6 mg/kg	Edison 1997a.
CC3-5.0	Soil	Nickel	49.2 mg/kg	Edison 1997a.
CC4-0.5	Soil	Nickel	14.5 mg/kg	Edison 1997a.
CC4-2.5	Soil	Nickel	4.8 mg/kg	Edison 1997a.
CC4-3.5	Soil	Nickel	24.7 mg/kg	Edison 1997a.
CC5-0.5	Soil	Nickel	9.6 mg/kg	Edison 1997a.
CC5-2.5	Soil	Nickel	5.4 mg/kg	Edison 1997a.
CC5-3.5	Soil	Nickel	97.5 mg/kg	Edison 1997a.
CC6-0.5	Soil	Nickel	13.6 mg/kg	Edison 1997a.
CC6-2.5	Soil	Nickel	8.7 mg/kg	Edison 1997a.

Table 2

Summary of Previous Site Investigative Data
Etiwanda Generating Station

Sample (ID)	Media	Analysis	Results	Reference Document
CC7-0.5	Soil	Nickel	35.7 mg/kg	Edison 1997a.
CC7-2.5	Soil	Nickel	7.4 mg/kg	Edison 1997a.
CC8-0.5	Soil	Nickel	124 mg/kg	Edison 1997a.
CC8-2.5	Soil	Nickel	ND	Edison 1997a.
CC9-0.5	Soil	Nickel	6.2 mg/kg	Edison 1997a.
CC9-2.5	Soil	Nickel	19.6 mg/kg	Edison 1997a.
CC10-0.5	Soil	Nickel	52.7 mg/kg	Edison 1997a.
CC10-2.3	Soil	Nickel	158 mg/kg	Edison 1997a.
CC11-5.0	Soil	Nickel	9.7 mg/kg	Edison 1997a.
CCES3	Soil	Nickel Beryllium	5.5 mg/kg ND	Edison 1997a.
CCEW3	Soil	Nickel Beryllium	4.8 mg/kg ND	Edison 1997a.
CCEN3	Soil	Nickel Beryllium	4.0 mg/kg ND	Edison 1997a.
CCEE3	Soil	Nickel Beryllium	5.4 mg/kg ND	Edison 1997a.
CCEB	Soil	Nickel Beryllium	ND ND	Edison 1997a.
CCEE6	Soil	Nickel Beryllium	5.0 mg/kg ND	Edison 1997a.
CCW	Soil	Metals, PCBs, TPH, VOcs	Metals and one PCB were detected. Beryllium concentration exceeded screening criteria.	Edison 1997a.

Table 2

Summary of Previous Site Investigative Data
Etiwanda Generating Station

Sample (ID)	Media	Analysis	Results	Reference Document
Switchyard Perimeter				
No information available in documentation supplied by Edison.				No documents available.
Sulfuric Acid Storage Tanks				
No information available in documentation supplied by Edison.				No documents available.
Former Water Softener and Brine Pit				
No information available in documentation supplied by Edison.				No documents available.
Boiler Chemical Cleaning Basin				
B-1 (background)	Soil	Metals	Eighteen metals, trichloroethene, pentachlorophenol and total hydrocarbons were analyzed. No samples showed concentrations exceeding detection limits or background except aluminum. Background concentrations for arsenic were reported as 3.4 mg/kg, 2.2 mg/kg, and 7.4 mg/kg at locations B-1, B-2, and B-3, respectively.	Hydrogeologic Assessment, Etiwanda Generating Station (Woodward-Clyde Consultants 1985).
B-2 (background)	Soil	Metals		
B-3 (background)	Soil	Metals		
BW-1	Soil	Metals		
BW-2	Soil	Metals		
BW-3	Soil	Metals		
BW-4	Soil	Metals		
Edison is presently conducting a leak detection investigation; results are not yet available.				Edison 1996.
Possible Underground Storage Tank (Drawing 5625202)				
No information available in documentation supplied by Edison.				No documents available.

Table 2

Summary of Previous Site Investigative Data
Etiwanda Generating Station

Sample (ID)	Media	Analysis	Results	Reference Document
Boiler Wash Water Storage Tank and Units 1 & 2 Cooling Tower Sludge Dewatering Area				
No information available in documentation supplied by Edison.				No documents available.
Utility Pole Storage				
No information available in documentation supplied by Edison.				No documents available.
Second Solid Waste Disposal Area (Second Landfill)				
No information available in documentation supplied by Edison.				No documents available.
Agricultural Research Area				
No information available in documentation supplied by Edison.				No documents available.

Table 3

Summary of Soil Screening Level Criteria
Etiwanda Generating Station

Analytical Method	Analyte	Soil Screening Criteria	Units
Title 22 Metals			
EPA 6010	Antimony	680	mg/kg
EPA 6010	Arsenic	2.4	mg/kg
EPA 6010	Barium	100,000	mg/kg
EPA 6010	Beryllium	1.1	mg/kg
EPA 6010	Cadmium	850	mg/kg
EPA 6010	Chromium	450	mg/kg
EPA 6010	Cobalt	97,000	mg/kg
EPA 6010	Copper	63,000	mg/kg
EPA 6010	Lead	1,000	mg/kg
EPA 6010	Molybdenum	8,500	mg/kg
EPA 6010	Nickel (soluble salts)	34,000	mg/kg
EPA 6010	Nickel subsulfide	11,000	mg/kg
EPA 6010	Selenium	8,500	mg/kg
EPA 6010	Silver	8,500	mg/kg
EPA 6010	Thallium*	120	mg/kg
EPA 6010	Vanadium	12,000	mg/kg
EPA 6010	Zinc	100,000	mg/kg
EPA 7471	Mercury	68	mg/kg
Polychorinated Biphenyls\Pesticides			
EPA 8080	Aldrin	0.11	mg/kg
EPA 8080	alpha-BHC (aka alpha-HCH)	0.3	mg/kg
EPA 8080	beta-BHC	1.1	mg/kg
EPA 8080	Chlordane (Technical)	1.5	mg/kg
EPA 8080	delta-BHC (aka delta-HCH)	NA	mg/kg
EPA 8080	Dieldrin	0.12	mg/kg
EPA 8080	Endosulfan I**	4,100	mg/kg
EPA 8080	Endosulfan II**	4,100	mg/kg
EPA 8080	Endosulfan Sulfate**	4,100	mg/kg
EPA 8080	Endrin	200	mg/kg
EPA 8080	Endrin Aldehyde	NA	mg/kg
EPA 8080	gamma-BHC (aka gamma-HCH)	1.5	mg/kg
EPA 8080	Heptachlor	0.42	mg/kg
EPA 8080	Heptachlor epoxide	0.21	mg/kg
EPA 8080	Methoxychlor	3,400	mg/kg
EPA 8080	PCB-1016	50	mg/kg
EPA 8080	PCB-1221	50	mg/kg
EPA 8080	PCB-1232	50	mg/kg
EPA 8080	PCB-1242	50	mg/kg
EPA 8080	PCB-1248	50	mg/kg
EPA 8080	PCB-1254	50	mg/kg

Table 3

Summary of Soil Screening Level Criteria
Etiwanda Generating Station

Analytical Method	Analyte	Soil Screening Criteria	Units
EPA 8080	PCB-1260	50	mg/kg
EPA 8080	Toxaphene	1.7	mg/kg
Volatile Organic Compounds			
EPA 8260A	1,1,1,2-Tetrachloroethane	5.4	mg/kg
EPA 8260A	1,1,1-Trichloroethane	3,000	mg/kg
EPA 8260A	1,1,2,2-Tetrachloroethane	1.1	mg/kg
EPA 8260A	1,1,2-Trichloroethane	1.5	mg/kg
EPA 8260A	1,1-Dichloroethane	1,700	mg/kg
EPA 8260A	1,1-Dichloroethene	0.08	mg/kg
EPA 8260A	1,1-Dichloropropene	NA	mg/kg
EPA 8260A	1,2,3-Trichlorobenzene	NA	mg/kg
EPA 8260A	1,2,3-Trichloropropane	0.0031	mg/kg
EPA 8260A	1,2,4-Trichlorobenzene	5,500	mg/kg
EPA 8260A	1,2,4-Trimethylbenzene	NA	mg/kg
EPA 8260A	1,2-Dibromo-3-chloropropane	1.4	mg/kg
EPA 8260A	1,2-Dibromoethane	0.02	mg/kg
EPA 8260A	1,2-Dichlorobenzene	700	mg/kg
EPA 8260A	1,2-Dichloroethane	0.55	mg/kg
EPA 8260A	1,2-Dichloropropane	0.68	mg/kg
EPA 8260A	1,3,5-Trimethylbenzene	NA	mg/kg
EPA 8260A	1,3-Dichlorobenzene	860	mg/kg
EPA 8260A	1,3-Dichloropropane	NA	mg/kg
EPA 8260A	1,4-Dichlorobenzene	8.4	mg/kg
EPA 8260A	2,2-Dichloropropane	NA	mg/kg
EPA 8260A	2-Chlorotoluene	NA	mg/kg
EPA 8260A	4-Chlorotoluene	NA	mg/kg
EPA 8260A	Benzene	0.077	mg/kg
EPA 8260A	Bromobenzene	NA	mg/kg
EPA 8260A	Bromochloromethane	NA	mg/kg
EPA 8260A	Bromodichloromethane	1.4	mg/kg
EPA 8260A	Bromoform	240	mg/kg
EPA 8260A	Bromomethane	23	mg/kg
EPA 8260A	Carbon Tetrachloride	0.5	mg/kg
EPA 8260A	Chlorobenzene	220	mg/kg
EPA 8260A	Chloroethane (aka Ethyl chloride)	1,600	mg/kg
EPA 8260A	Chloroform	0.53	mg/kg
EPA 8260A	Chloromethane	2.6	mg/kg
EPA 8260A	Dibromochloromethane	23	mg/kg
EPA 8260A	Dibromomethane (aka Methylene bromide)	6,800	mg/kg
EPA 8260A	Dichlorodifluoromethane	310	mg/kg
EPA 8260A	Ethyl Benzene	17	mg/kg

Table 3

Summary of Soil Screening Level Criteria
Etiwanda Generating Station

Analytical Method	Analyte	Soil Screening Criteria	Units
EPA 8260A	Hexachlorobutadiene	24	mg/kg
EPA 8260A	Isopropylbenzene (aka Cumene)	62	mg/kg
EPA 8260A	Methylene Chloride	18	mg/kg
EPA 8260A	Naphthalene	240	mg/kg
EPA 8260A	Styrene	680	mg/kg
EPA 8260A	Tetrachloroethene	17	mg/kg
EPA 8260A	Toluene	4	mg/kg
EPA 8260A	Total Xylenes	48	mg/kg
EPA 8260A	Trichloroethene	7	mg/kg
EPA 8260A	Trichlorofluoromethane	1,300	mg/kg
EPA 8260A	Vinyl Chloride	0.035	mg/kg
EPA 8260A	cis-1,2-Dichloroethene	100	mg/kg
EPA 8260A	cis-1,3-Dichloropropene	NA	mg/kg
EPA 8260A	n-Butylbenzene	NA	mg/kg
EPA 8260A	n-Propylbenzene	NA	mg/kg
EPA 8260A	o-Xylene	48	mg/kg
EPA 8260A	p-& m-Xylenes	48	mg/kg
EPA 8260A	p-Isopropyltoluene	NA	mg/kg
EPA 8260A	sec-Butylbenzene	NA	mg/kg
EPA 8260A	tert-Butylbenzene	NA	mg/kg
EPA 8260A	trans-1,2-Dichloroethene	270	mg/kg
EPA 8260A	trans-1,3-Dichloropropene	NA	mg/kg
Petroleum Hydrocarbons			
EPA 8015M	Light Naptha	1,000	mg/kg
EPA 8015M	Aviation Fuel	1,000	mg/kg
EPA 8015M	Stoddard/White Spirits	1,000	mg/kg
EPA 8015M	Heavy Naptha/Ligroin Petroleum Benzin	1,000	mg/kg
EPA 8015M	Gasoline	1,000	mg/kg
EPA 8015M	JP4	1,000	mg/kg
EPA 8015M	JP5	1,000	mg/kg
EPA 8015M	JP6	1,000	mg/kg
EPA 8015M	JP8	1,000	mg/kg
EPA 8015M	Kerosene/Jet Fuel	1,000	mg/kg
EPA 8015M	Diesel	10,000	mg/kg
EPA 8015M	Crude/Waste Oil	10,000	mg/kg
EPA 8015M	Hydraulic Oil	10,000	mg/kg
EPA 8015M	WD-40	10,000	mg/kg
EPA 8015M	Z-oil	10,000	mg/kg
Polynuclear Aromatic Hydrocarbons			
EPA 8270B	Acenaphthene	110	mg/kg
EPA 8270B	Anthracene	5.7	mg/kg

Table 3

Summary of Soil Screening Level Criteria
Etiwanda Generating Station

Analytical Method	Analyte	Soil Screening Criteria	Units
EPA 8270B	Benzo-a-anthracene	2.6	mg/kg
EPA 8270B	Benzo-a-pyrene	0.26	mg/kg
EPA 8270B	Benzo-b-fluoranthene	2.6	mg/kg
EPA 8270B	Benzo-k-fluoranthene	26	mg/kg
EPA 8270B	Chrysene	7.2	mg/kg
EPA 8270B	Dibenzo (a,h) anthracene	0.26	mg/kg
EPA 8270B	Fluoranthene	27,000	mg/kg
EPA 8270B	Fluorene	90	mg/kg
EPA 8270B	Indeno-1,2,3-cd-pyrene	2.6	mg/kg
EPA 8270B	Pyrene	100	mg/kg
Semivolatile Organic Compounds			
EPA 8270B	1,2,4-Trichlorobenzene	5,500	mg/kg
EPA 8270B	1,2-Dichlorobenzene	700	mg/kg
EPA 8270B	1,2-Diphenylhydrazine	2.4	mg/kg
EPA 8270B	1,3-Dichlorobenzene	860	mg/kg
EPA 8270B	1,4-Dichlorobenzene	8.4	mg/kg
EPA 8270B	2,4,5-Trichlorophenol	68,000	mg/kg
EPA 8270B	2,4,6-Trichlorophenol	170	mg/kg
EPA 8270B	2,4-Dichlorophenol	2000	mg/kg
EPA 8270B	2,4-Dimethylphenol	14,000	mg/kg
EPA 8270B	2,4-Dinitrophenol	1,400	mg/kg
EPA 8270B	2,4-Dinitrotoluene	1,400	mg/kg
EPA 8270B	2,6-Dinitrotoluene	680	mg/kg
EPA 8270B	2-Chloronaphthalene	NA	mg/kg
EPA 8270B	2-Chlorophenol	370	mg/kg
EPA 8270B	2-Methyl-4,6-dinitrophenol	NA	mg/kg
EPA 8270B	2-Methylnaphthalene	NA	mg/kg
EPA 8270B	2-Methylphenol	34,000	mg/kg
EPA 8270B	2-Naphthylamine	NA	mg/kg
EPA 8270B	2-Nitroaniline	41	mg/kg
EPA 8270B	2-Nitrophenol	NA	mg/kg
EPA 8270B	3,3-Dichlorobenzidine	4.2	mg/kg
EPA 8270B	3-Nitroaniline	NA	mg/kg
EPA 8270B	4,4-DDD	7.9	mg/kg
EPA 8270B	4,4-DDE	5.6	mg/kg
EPA 8270B	4,4-DDT	5.6	mg/kg
EPA 8270B	4-Bromophenyl-phenyl-ether	NA	mg/kg
EPA 8270B	4-Chloro-3-methylphenol	NA	mg/kg
EPA 8270B	4-Chloroaniline	2,700	mg/kg
EPA 8270B	4-Chlorophenylphenyl-ether	NA	mg/kg
EPA 8270B	4-Methylphenol	3,400	mg/kg

Table 3

Summary of Soil Screening Level Criteria
Etiwanda Generating Station

Analytical Method	Analyte	Soil Screening Criteria	Units
EPA 8270B	4-Nitroaniline	NA	mg/kg
EPA 8270B	4-Nitrophenol	NA	mg/kg
EPA 8270B	Acenaphthylene	NA	mg/kg
EPA 8270B	Aldrin	0.11	mg/kg
EPA 8270B	Aniline	200	mg/kg
EPA 8270B	Benzidine	0.0083	mg/kg
EPA 8270B	Benzo-ghi-perylene	NA	mg/kg
EPA 8270B	Benzoic-acid	100,000	mg/kg
EPA 8270B	Benzyl-butyl-phthalate	930	mg/kg
EPA 8270B	Benzylalcohol	100,000	mg/kg
EPA 8270B	Di-n-butyl-phthalate	NA	mg/kg
EPA 8270B	Di-n-octylphthalate	10,000	mg/kg
EPA 8270B	Dibenzofuran	140	mg/kg
EPA 8270B	Dieldrin	0.12	mg/kg
EPA 8270B	Diethyl-phthalate	100,000	mg/kg
EPA 8270B	Dimethyl-phthalate	100,000	mg/kg
EPA 8270B	Endosulfan I	4,100	mg/kg
EPA 8270B	Endosulfan II	4,100	mg/kg
EPA 8270B	Endosulfan Sulfate	4,100	mg/kg
EPA 8270B	Endrin	200	mg/kg
EPA 8270B	Endrin Aldehyde	NA	mg/kg
EPA 8270B	Heptachlor	0.42	mg/kg
EPA 8270B	Heptachlor epoxide	0.21	mg/kg
EPA 8270B	Hexachlorobenzene	1.2	mg/kg
EPA 8270B	Hexachlorobutadiene	24	mg/kg
EPA 8270B	Hexachlorocyclopentadiene	4,600	mg/kg
EPA 8270B	Hexachloroethane	140	mg/kg
EPA 8270B	Isophorone	2,000	mg/kg
EPA 8270B	N-Nitrosodimethylamine	0.037	mg/kg
EPA 8270B	N-Nitrosodiphenylamine	390	mg/kg
EPA 8270B	N-nitrosodi-n-propylamine	0.27	mg/kg
EPA 8270B	Naphthalene	240	mg/kg
EPA 8270B	Nitrobenzene	94	mg/kg
EPA 8270B	Pentachlorophenol	7.9	mg/kg
EPA 8270B	Phenanthrene	NA	mg/kg
EPA 8270B	Phenol	100,000	mg/kg
EPA 8270B	alpha-BHC	0.3	mg/kg
EPA 8270B	beta-BHC	1.1	mg/kg
EPA 8270B	bis(2-chloro-1-methylethyl) ether	27	mg/kg
EPA 8270B	bis-2-chloroethoxy-methane	NA	mg/kg
EPA 8270B	bis-2-chloroethyl-ether	0.097	mg/kg

Table 3

Summary of Soil Screening Level Criteria
Etiwanda Generating Station

Analytical Method	Analyte	Soil Screening Criteria	Units
EPA 8270B	bis-2-ethylhexyl-phthalate	140	mg/kg
EPA 8270B	delta-BHC	NA	mg/kg
EPA 8270B	gamma-BHC	1.5	mg/kg
Organophosporus Pesticides			
EPA 8140	Azinphos methyl	NA	mg/kg
EPA 8140	Bolstar	NA	mg/kg
EPA 8140	Chlorpyrifos	2,000	mg/kg
EPA 8140	Coumaphos	NA	mg/kg
EPA 8140	Demeton	27	mg/kg
EPA 8140	Diazinon	610	mg/kg
EPA 8140	Dichlorvos	6.6	mg/kg
EPA 8140	Disulfoton	27	mg/kg
EPA 8140	Ethoprop	NA	mg/kg
EPA 8140	Fensulfothion	NA	mg/kg
EPA 8140	Fenthion	NA	mg/kg
EPA 8140	Malathion	14,000	mg/kg
EPA 8140	Merphos	20	mg/kg
EPA 8140	Mevinphos	NA	mg/kg
EPA 8140	Naled Dibrom***	1,400	mg/kg
EPA 8140	Parathion methyl	NA	mg/kg
EPA 8140	Phorate	140	mg/kg
EPA 8140	Ronnel Fenchlorphos***	34,000	mg/kg
EPA 8140	Stirophos Tetrachlorivinphos	NA	mg/kg
EPA 8140	Thionazin	NA	mg/kg
EPA 8140	Tokuthion Prothiofos	NA	mg/kg
EPA 8140	Trichloronate	NA	mg/kg

mg/kg = milligrams per kilogram

* Used the PRG for Thallic oxide

** Used the PRG for Endosulfan

*** As advised by BC Laboratories, Inc., Naled Dibrom is synonymous with Naled and Ronnel Fenchlorphos is snonymous with Ronnel, to correlate analytes with the contaminants on the EPA Region IX Preliminary Remediation Goals (PRG), August 1996 list.

Synonyms for analytes taken from the EPAs Common Synonyms for Chemicals Listed Under Section 313 of the Emergency Planning and Community Right-to-Know Act

Table 4A

Analytical Results Exceeding Screening Criteria
Etiwanda Generating Station

Sample ID	Sample Depth (Feet)	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SURFACE WATER DISCHARGE								
SD-2-0.5	0.5	2/6/97	Arsenic	2.4	3.1		1.0	mg/kg
SD-4-0.5	0.5	2/6/97	Arsenic	2.4	2.4		1.0	mg/kg
SD-5-0.5	0.5	2/6/97	Arsenic	2.4	5.3		1.0	mg/kg
SD-6-0.5	0.5	2/6/97	Arsenic	2.4	4.4		2.0	mg/kg
PIPELINES								
PL8-5	5	11/1/96	Arsenic	2.4	2.6		1	mg/kg
COOLING TOWERS								
CT3-1-0.5	0.5	10/31/96	Arsenic	2.4	14		1.0	mg/kg
CT3-2-0.5	0.5	10/31/96	Arsenic	2.4	17		1.0	mg/kg
CT4-2-0.5	0.5	10/31/96	Arsenic	2.4	6.3		1.0	mg/kg
POWERBLOCK								
PB2-0.5	0.5	11/1/96	Arsenic	2.4	18		2.0	mg/kg
PB2-5	5	11/1/96	Arsenic	2.4	6.7		1.0	mg/kg
SULFURIC ACID STORAGE TANKS								
SA3-1-0.5	0.5	10/29/96	Arsenic	2.4	22		1.0	mg/kg
SA3-2-0.5	0.5	10/29/96	Arsenic	2.4	8.7		1.0	mg/kg
FORMER WATER SOFTENER AND BRINE PIT								
FBP1-15	15	11/1/96	Arsenic	2.4	17		1	mg/kg
FBP2-10	10	11/1/96	Arsenic	2.4	2.7		1.0	mg/kg
SECOND SOLID WASTE DISPOSAL AREA (SECOND LANDFILL)								
LF2-1-0.5	0.5	2/6/97	Arsenic	2.4	6.5		1.0	mg/kg
LF2-2-0.5	0.5	2/6/97	Arsenic	2.4	7.3		2.0	mg/kg

ID Identification
PQL Practical Quantitation Limit
mg/kg milligrams per kilogram

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
ABOVEGROUND STORAGE TANKS								
Fuel Oil Storage Tanks								
NEFO1-0.5	0.5	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
NEFO1-0.5	0.5	10/29/96	TPH (Crude/Waste Oil)	10000	70	J	50.	mg/kg
NEFO1-0.5	0.5	10/29/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
NEFO1-0.5	0.5	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
NEFO1-0.5	0.5	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
NEFO1-0.5	0.5	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
NEFO1-0.5	0.5	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
NEFO1-0.5	0.5	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
NEFO1-0.5	0.5	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
NEFO1-0.5	0.5	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
NEFO1-0.5	0.5	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
NEFO1-0.5	0.5	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
NEFO1-0.5	0.5	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
NEFO1-4	4	10/29/96	TPH (Aviation Gas)	1000	ND		300	mg/kg
NEFO1-4	4	10/29/96	TPH (Crude/Waste Oil)	10000	330	J	300	mg/kg
NEFO1-4	4	10/29/96	TPH (Diesel-FFP)	10000	ND		30	mg/kg
NEFO1-4	4	10/29/96	TPH (Gasoline)	1000	ND		100	mg/kg
NEFO1-4	4	10/29/96	TPH (Heavy Naptha)	1000	ND		50	mg/kg
NEFO1-4	4	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		100	mg/kg
NEFO1-4	4	10/29/96	TPH (Jet Fuel JP4)	1000	ND		50	mg/kg
NEFO1-4	4	10/29/96	TPH (Jet Fuel JP5)	1000	ND		50	mg/kg
NEFO1-4	4	10/29/96	TPH (Jet Fuel JP8)	1000	ND		50	mg/kg
NEFO1-4	4	10/29/96	TPH (Kerosene)	1000	ND		50	mg/kg
NEFO1-4	4	10/29/96	TPH (Light Naptha)	1000	ND		300	mg/kg
NEFO1-4	4	10/29/96	TPH (Stoddard Solvent)	1000	ND		10020.	mg/kg
NEFO1-4	4	10/29/96	TPH (WD 40)	10000	ND		50	mg/kg
NEFO2-0.5	0.5	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
NEFO2-0.5	0.5	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
NEFO3-4	4	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
NEFO3-4	4	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
NEFO3-4	4	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
NEFO3-4	4	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
NEFO3-4	4	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
NEFO3-4	4	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
NEFO3-5	5	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
NEFO3-5	5	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
NEFO3-5	5	10/29/96	TPH (Crude/Waste Oil)	10000	65		50.	mg/kg
NEFO3-5	5	10/29/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
NEFO3-5	5	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
NEFO3-5	5	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
NEFO3-5	5	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
NEFO3-5	5	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
NEFO3-5	5	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
NEFO3-5	5	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
NEFO3-5	5	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
NEFO3-5	5	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
NEFO3-5	5	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
NEFO3-5	5	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
NWFO1-0.5	0.5	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
NWFO1-0.5	0.5	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
NWFO1-0.5	0.5	10/29/96	TPH (Diesel-FFP)	10000	7.4		5.0	mg/kg
NWFO1-0.5	0.5	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
NWFO1-0.5	0.5	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
NWFO1-0.5	0.5	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
NWFO1-0.5	0.5	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
NWFO1-0.5	0.5	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
NWFO1-0.5	0.5	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
NWFO1-0.5	0.5	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
NEFO2-0.5	0.5	10/29/96	TPH (Diesel-FFP)	10000	5.4		5.0	mg/kg
NEFO2-0.5	0.5	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
NEFO2-0.5	0.5	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
NEFO2-0.5	0.5	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
NEFO2-0.5	0.5	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
NEFO2-0.5	0.5	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
NEFO2-0.5	0.5	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
NEFO2-0.5	0.5	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
NEFO2-0.5	0.5	10/29/96	TPH (Light Naptha)	1000	ND		10.	mg/kg
NEFO2-0.5	0.5	10/29/96	TPH (Stoddard Solvent)	1000	ND		10.	mg/kg
NEFO3-0.5	0.5	10/29/96	TPH (WD 40)	1000	ND		50.	mg/kg
NEFO3-0.5	0.5	10/29/96	TPH (Aviation Gas)	10000	ND		20.	mg/kg
NEFO3-0.5	0.5	10/29/96	TPH (Crude/Waste Oil)	1000	ND		10.	mg/kg
NEFO3-0.5	0.5	10/29/96	TPH (Diesel-FFP)	10000	ND		50.	mg/kg
NEFO3-0.5	0.5	10/29/96	TPH (Gasoline)	10000	ND		50.	mg/kg
NEFO3-0.5	0.5	10/29/96	TPH (Heavy Naptha)	1000	ND		5.0	mg/kg
NEFO3-0.5	0.5	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
NEFO3-0.5	0.5	10/29/96	TPH (Jet Fuel JP4)	10000	ND		10.	mg/kg
NEFO3-0.5	0.5	10/29/96	TPH (Jet Fuel JP5)	1000	ND		20.	mg/kg
NEFO3-0.5	0.5	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
NEFO3-0.5	0.5	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
NEFO3-0.5	0.5	10/29/96	TPH (Light Naptha)	1000	ND		10.	mg/kg
NEFO3-0.5	0.5	10/29/96	TPH (Stoddard Solvent)	1000	ND		10.	mg/kg
NEFO3-4	4	10/29/96	TPH (WD 40)	1000	ND		50.	mg/kg
NEFO3-4	4	10/29/96	TPH (Aviation Gas)	10000	ND		20.	mg/kg
NEFO3-4	4	10/29/96	TPH (Crude/Waste Oil)	1000	ND		10.	mg/kg
NEFO3-4	4	10/29/96	TPH (Diesel-FFP)	10000	ND		50.	mg/kg
NEFO3-4	4	10/29/96	TPH (Gasoline)	10000	ND		50.	mg/kg
NEFO3-4	4	10/29/96	TPH (Heavy Naptha)	1000	ND		5.0	mg/kg
NEFO3-4	4	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
				10000	ND		10.	mg/kg
							20.	mg/kg

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
NWFO1-0.5	0.5	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
NWFO1-0.5	0.5	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
NWFO1-0.5	0.5	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
NWFO1-4	4	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
NWFO1-4	4	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
NWFO1-4	4	10/29/96	TPH (Diesel-FFP)	10000	5.6		5.0	mg/kg
NWFO1-4	4	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
NWFO1-4	4	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
NWFO1-4	4	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
NWFO1-4	4	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
NWFO1-4	4	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
NWFO1-4	4	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
NWFO1-4	4	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
NWFO1-4	4	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
NWFO1-4	4	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
NWFO1-4	4	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
NWFO2-0.5	0.5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
NWFO2-0.5	0.5	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
NWFO2-0.5	0.5	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
NWFO2-0.5	0.5	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
NWFO2-0.5	0.5	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
NWFO2-0.5	0.5	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
NWFO2-0.5	0.5	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
NWFO2-0.5	0.5	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
NWFO2-0.5	0.5	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
NWFO2-0.5	0.5	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
NWFO2-0.5	0.5	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
NWFO2-0.5	0.5	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
NWFO2-0.5	0.5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
NWFO2-4	4	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
NWFO2-4	4	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
NWFO2-4	4	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
NWFO2-4	4	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
NWFO2-4	4	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
NWFO2-4	4	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
NWFO2-4	4	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
NWFO2-4	4	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
NWFO2-4	4	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
NWFO2-4	4	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
NWFO2-4	4	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
NWFO2-4	4	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
NWFO2-4	4	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
NWFO2-4	4	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
NWFO3-0.5	0.5	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
NWFO3-0.5	0.5	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
NWFO3-0.5	0.5	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
NWFO3-0.5	0.5	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
NWFO3-0.5	0.5	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
NWFO3-0.5	0.5	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
NWFO3-0.5	0.5	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
NWFO3-0.5	0.5	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
NWFO3-0.5	0.5	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
NWFO3-0.5	0.5	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
NWFO3-0.5	0.5	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
NWFO3-0.5	0.5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
NWFO3-0.5	0.5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
NWFO3-4	4	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
NWFO3-4	4	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
NWFO3-4	4	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
NWFO3-4	4	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
NWFO3-4	4	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
NWFO3-4	4	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
NWFO3-4	4	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
NWFO3-4	4	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
NWFO3-4	4	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
NWFO3-4	4	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
NWFO3-4	4	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
NWFO3-4	4	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
CEFO1-0.5	0.5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
CEFO1-0.5	0.5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
CEFO1-0.5	0.5	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
CEFO1-0.5	0.5	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
CEFO1-0.5	0.5	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
CEFO1-0.5	0.5	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
CEFO1-0.5	0.5	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	75		20.	mg/kg
CEFO1-0.5	0.5	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
CEFO1-0.5	0.5	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
CEFO1-0.5	0.5	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
CEFO1-0.5	0.5	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
CEFO1-0.5	0.5	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
CEFO1-0.5	0.5	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
CEFO1-0.5	0.5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
CEFO1-4	4	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
CEFO1-4	4	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
CEFO1-4	4	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
CEFO1-4	4	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
CEFO1-4	4	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
CEFO1-4	4	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
CEFO1-4	4	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
CEFO1-4	4	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
CEFO1-4	4	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CEFO1-4	4	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
CEFO1-4	4	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
CEFO1-4	4	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
CEFO1-4	4	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
CEFO2-0.5	0.5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
CEFO2-0.5	0.5	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
CEFO2-0.5	0.5	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
CEFO2-0.5	0.5	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
CEFO2-0.5	0.5	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
CEFO2-0.5	0.5	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
CEFO2-0.5	0.5	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
CEFO2-0.5	0.5	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
CEFO2-0.5	0.5	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
CEFO2-0.5	0.5	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
CEFO2-0.5	0.5	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
CEFO2-0.5	0.5	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
CEFO2-0.5	0.5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
CEFO2-0.5	0.5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
CEFO2-4	4	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
CEFO2-4	4	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
CEFO2-4	4	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
CEFO2-4	4	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
CEFO2-4	4	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
CEFO2-4	4	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
CEFO2-4	4	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
CEFO2-4	4	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
CEFO2-4	4	10/31/96	TPH (Kerosene)	1000	ND		50.	mg/kg
CEFO2-4	4	10/31/96	TPH (Light Naptha)	1000	ND		20.	mg/kg
CEFO2-4	4	10/31/96	TPH (Stoddard Solvent)	1000	ND		10.	mg/kg
CEFO2-4	4	10/31/96	TPH (WD 40)	10000	ND			

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CEFO3-0.5	0.5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
CEFO3-0.5	0.5	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
CEFO3-0.5	0.5	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
CEFO3-0.5	0.5	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
CEFO3-0.5	0.5	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
CEFO3-0.5	0.5	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	130		20.	mg/kg
CEFO3-0.5	0.5	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
CEFO3-0.5	0.5	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
CEFO3-0.5	0.5	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
CEFO3-0.5	0.5	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
CEFO3-0.5	0.5	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
CEFO3-0.5	0.5	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
CEFO3-0.5	0.5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
CEFO3-4	4	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
CEFO3-4	4	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
CEFO3-4	4	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
CEFO3-4	4	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
CEFO3-4	4	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
CEFO3-4	4	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
CEFO3-4	4	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
CEFO3-4	4	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
CEFO3-4	4	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
CEFO3-4	4	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
CEFO3-4	4	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
CEFO3-4	4	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
CEFO3-4	4	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
CWFO1-0.5	0.5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
CWFO1-0.5	0.5	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
CWFO1-0.5	0.5	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
CWFO1-0.5	0.5	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CWFO1-0.5	0.5	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
CWFO1-0.5	0.5	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
CWFO1-0.5	0.5	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
CWFO1-0.5	0.5	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
CWFO1-0.5	0.5	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
CWFO1-0.5	0.5	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
CWFO1-0.5	0.5	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
CWFO1-0.5	0.5	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
CWFO1-0.5	0.5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
CWFO1-0.5	0.5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
CWFO1-4	4	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
CWFO1-4	4	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
CWFO1-4	4	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
CWFO1-4	4	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
CWFO1-4	4	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
CWFO1-4	4	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
CWFO1-4	4	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
CWFO1-4	4	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
CWFO1-4	4	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
CWFO1-4	4	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
CWFO1-4	4	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
CWFO1-4	4	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
CWFO1-4	4	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
CWFO2-0.5	0.5	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
CWFO2-0.5	0.5	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
CWFO2-0.5	0.5	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
CWFO2-0.5	0.5	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
CWFO2-0.5	0.5	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
CWFO2-0.5	0.5	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
CWFO2-0.5	0.5	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
CWFO2-0.5	0.5	10/31/96						

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CWFO2-0.5	0.5	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
CWFO2-0.5	0.5	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
CWFO2-0.5	0.5	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
CWFO2-0.5	0.5	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
CWFO2-4	4	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
CWFO2-4	4	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
CWFO2-4	4	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
CWFO2-4	4	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
CWFO2-4	4	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
CWFO2-4	4	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
CWFO2-4	4	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
CWFO2-4	4	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
CWFO2-4	4	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
CWFO2-4	4	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
CWFO2-4	4	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
CWFO2-4	4	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
CWFO2-4	4	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
CWFO2-4	4	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
CWFO3-0.5	0.5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
CWFO3-0.5	0.5	10/31/96	TPH (Crude/Waste Oil)	10000	130		50.	mg/kg
CWFO3-0.5	0.5	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
CWFO3-0.5	0.5	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
CWFO3-0.5	0.5	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
CWFO3-0.5	0.5	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
CWFO3-0.5	0.5	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
CWFO3-0.5	0.5	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
CWFO3-0.5	0.5	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
CWFO3-0.5	0.5	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
CWFO3-0.5	0.5	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
CWFO3-0.5	0.5	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CWFO3-0.5	0.5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
CWFO3-4	4	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
CWFO3-4	4	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
CWFO3-4	4	10/31/96	TPH (Diesel-FFP)	10000	6.0		5.0	mg/kg
CWFO3-4	4	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
CWFO3-4	4	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
CWFO3-4	4	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
CWFO3-4	4	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
CWFO3-4	4	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
CWFO3-4	4	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
CWFO3-4	4	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
CWFO3-4	4	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
CWFO3-4	4	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
CWFO3-4	4	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
Displacement Oil Storage Tanks								
COS1-0.5	0.5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
COS1-0.5	0.5	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
COS1-0.5	0.5	10/31/96	TPH (Diesel-FFP)	10000	5.2		5.0	mg/kg
COS1-0.5	0.5	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
COS1-0.5	0.5	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
COS1-0.5	0.5	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
COS1-0.5	0.5	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
COS1-0.5	0.5	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
COS1-0.5	0.5	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
COS1-0.5	0.5	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
COS1-0.5	0.5	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
COS1-0.5	0.5	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
COS1-0.5	0.5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
COS1-0.5	0.5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
COS1-6	6	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
COS1-6	6	10/31/96						

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
COS1-6	6	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
COS1-6	6	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
COS1-6	6	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
COS1-6	6	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	98		20.	mg/kg
COS1-6	6	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
COS1-6	6	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
COS1-6	6	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
COS1-6	6	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
COS1-6	6	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
COS1-6	6	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
COS2-0.5	0.5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
COS2-0.5	0.5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
COS2-0.5	0.5	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
COS2-0.5	0.5	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
COS2-0.5	0.5	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
COS2-0.5	0.5	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
COS2-0.5	0.5	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
COS2-0.5	0.5	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
COS2-0.5	0.5	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
COS2-0.5	0.5	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
COS2-0.5	0.5	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
COS2-0.5	0.5	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
COS2-0.5	0.5	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
COS2-0.5	0.5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
COS2-5	5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
COS2-5	5	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
COS2-5	5	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
COS2-5	5	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
COS2-5	5	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
COS2-5	5	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
COS2-5	5	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
COS2-5	5	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
COS2-5	5	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
COS2-5	5	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
COS2-5	5	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
COS2-5	5	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
COS2-5	5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
Distillate Fuel Storage Tanks								
DF1-0.5	0.5	11/4/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
DF1-0.5	0.5	11/4/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
DF1-0.5	0.5	11/4/96	TPH (Diesel-FFP)	10000	5.7	J	5.0	mg/kg
DF1-0.5	0.5	11/4/96	TPH (Gasoline)	1000	ND		20.	mg/kg
DF1-0.5	0.5	11/4/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
DF1-0.5	0.5	11/4/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
DF1-0.5	0.5	11/4/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
DF1-0.5	0.5	11/4/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
DF1-0.5	0.5	11/4/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
DF1-0.5	0.5	11/4/96	TPH (Kerosene)	1000	ND		10.	mg/kg
DF1-0.5	0.5	11/4/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
DF1-0.5	0.5	11/4/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
DF1-0.5	0.5	11/4/96	TPH (WD 40)	10000	ND		10.	mg/kg
DF1-3	3	11/4/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
DF1-3	3	11/4/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
DF1-3	3	11/4/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
DF1-3	3	11/4/96	TPH (Gasoline)	1000	ND		20.	mg/kg
DF1-3	3	11/4/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
DF1-3	3	11/4/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
DF1-3	3	11/4/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
DF1-3	3	11/4/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
DF1-3	3	11/4/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
DF1-3	3	11/4/96	TPH (Kerosene)	1000	ND		10.	mg/kg
DF1-3	3	11/4/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
DF1-3	3	11/4/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
DF1-3	3	11/4/96	TPH (WD 40)	10000	ND		10.	mg/kg
TRANSFORMERS								
PBT1-0.5	0.5	11/4/96	PCB-1016	50	ND		.05	mg/kg
PBT1-0.5	0.5	11/4/96	PCB-1221	50	ND		.05	mg/kg
PBT1-0.5	0.5	11/4/96	PCB-1232	50	ND		.05	mg/kg
PBT1-0.5	0.5	11/4/96	PCB-1242	50	ND		.05	mg/kg
PBT1-0.5	0.5	11/4/96	PCB-1248	50	ND		.05	mg/kg
PBT1-0.5	0.5	11/4/96	PCB-1254	50	ND		.05	mg/kg
PBT1-0.5	0.5	11/4/96	PCB-1260	50	.31		.05	mg/kg
PBT1-0.5	0.5	11/4/96	Total PCBs (Summation)	50	.31		.05	mg/kg
PBT1-0.5	0.5	11/4/96	TPH (Aviation Gas)	1000	ND		1000	mg/kg
PBT1-0.5	0.5	11/4/96	TPH (Crude/Waste Oil)	10000	2100	J	1000	mg/kg
PBT1-0.5	0.5	11/4/96	TPH (Diesel-FFP)	10000	ND		100	mg/kg
PBT1-0.5	0.5	11/4/96	TPH (Gasoline)	1000	ND		400	mg/kg
PBT1-0.5	0.5	11/4/96	TPH (Heavy Naptha)	1000	ND		200	mg/kg
PBT1-0.5	0.5	11/4/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		400	mg/kg
PBT1-0.5	0.5	11/4/96	TPH (Jet Fuel JP4)	1000	ND		200	mg/kg
PBT1-0.5	0.5	11/4/96	TPH (Jet Fuel JP5)	1000	ND		200	mg/kg
PBT1-0.5	0.5	11/4/96	TPH (Jet Fuel JP8)	1000	ND		200	mg/kg
PBT1-0.5	0.5	11/4/96	TPH (Kerosene)	1000	ND		200	mg/kg
PBT1-0.5	0.5	11/4/96	TPH (Light Naptha)	1000	ND		1000	mg/kg
PBT1-0.5	0.5	11/4/96	TPH (Stoddard Solvent)	1000	ND		400	mg/kg
PBT1-0.5	0.5	11/4/96	TPH (WD 40)	10000	ND		200	mg/kg
PBT1-3	3	11/4/96	PCB-1016	50	ND		0.050	mg/kg
PBT1-3	3	11/4/96	PCB-1221	50	ND		0.050	mg/kg
PBT1-3	3	11/4/96	PCB-1232	50	ND		0.050	mg/kg
PBT1-3	3	11/4/96	PCB-1242	50	ND		0.050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PBT1-3	3	11/4/96	PCB-1248	50	ND		0.050	mg/kg
PBT1-3	3	11/4/96	PCB-1254	50	ND		0.050	mg/kg
PBT1-3	3	11/4/96	PCB-1260	50	ND		0.050	mg/kg
PBT1-3	3	11/4/96	Total PCBs (Summation)	50	ND		0.050	mg/kg
PBT1-3	3	11/4/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
PBT1-3	3	11/4/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
PBT1-3	3	11/4/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
PBT1-3	3	11/4/96	TPH (Gasoline)	1000	ND		20.	mg/kg
PBT1-3	3	11/4/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
PBT1-3	3	11/4/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
PBT1-3	3	11/4/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
PBT1-3	3	11/4/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
PBT1-3	3	11/4/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PBT1-3	3	11/4/96	TPH (Kerosene)	1000	ND		10.	mg/kg
PBT1-3	3	11/4/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PBT1-3	3	11/4/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PBT1-3	3	11/4/96	TPH (WD 40)	10000	ND		10.	mg/kg
PBT2-0.5	0.5	11/1/96	PCB-1016	50	ND		0.050	mg/kg
PBT2-0.5	0.5	11/1/96	PCB-1221	50	ND		0.050	mg/kg
PBT2-0.5	0.5	11/1/96	PCB-1232	50	ND		0.050	mg/kg
PBT2-0.5	0.5	11/1/96	PCB-1242	50	ND		0.050	mg/kg
PBT2-0.5	0.5	11/1/96	PCB-1248	50	ND		0.050	mg/kg
PBT2-0.5	0.5	11/1/96	PCB-1254	50	.068		0.050	mg/kg
PBT2-0.5	0.5	11/1/96	PCB-1260	50	.068		0.050	mg/kg
PBT2-0.5	0.5	11/1/96	Total PCBs (Summation)	1000	ND		50.	mg/kg
PBT2-0.5	0.5	11/1/96	TPH (Aviation Gas)	10000	74		50.	mg/kg
PBT2-0.5	0.5	11/1/96	TPH (Crude/Waste Oil)	10000	ND		5.0	mg/kg
PBT2-0.5	0.5	11/1/96	TPH (Diesel-FFP)	1000	ND		20.	mg/kg
PBT2-0.5	0.5	11/1/96	TPH (Gasoline)	1000	ND		10.	mg/kg
PBT2-0.5	0.5	11/1/96	TPH (Heavy Naptha)					

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PBT2-0.5	0.5	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
PBT2-0.5	0.5	11/1/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
PBT2-0.5	0.5	11/1/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
PBT2-0.5	0.5	11/1/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PBT2-0.5	0.5	11/1/96	TPH (Kerosene)	1000	ND		10.	mg/kg
PBT2-0.5	0.5	11/1/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PBT2-0.5	0.5	11/1/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PBT2-0.5	0.5	11/1/96	TPH (WD 40)	10000	ND		10.	mg/kg
PBT2-3	3	11/1/96	PCB-1016	50	ND		0.050	mg/kg
PBT2-3	3	11/1/96	PCB-1221	50	ND		0.050	mg/kg
PBT2-3	3	11/1/96	PCB-1232	50	ND		0.050	mg/kg
PBT2-3	3	11/1/96	PCB-1242	50	ND		0.050	mg/kg
PBT2-3	3	11/1/96	PCB-1248	50	ND		0.050	mg/kg
PBT2-3	3	11/1/96	PCB-1254	50	ND		0.050	mg/kg
PBT2-3	3	11/1/96	PCB-1260	50	ND		0.050	mg/kg
PBT2-3	3	11/1/96	Total PCBs (Summation)	50	ND		0.050	mg/kg
PBT2-3	3	11/1/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
PBT2-3	3	11/1/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
PBT2-3	3	11/1/96	TPH (Diesel-FFP)	10000	5.2		5.0	mg/kg
PBT2-3	3	11/1/96	TPH (Gasoline)	1000	ND		20.	mg/kg
PBT2-3	3	11/1/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
PBT2-3	3	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
PBT2-3	3	11/1/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
PBT2-3	3	11/1/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
PBT2-3	3	11/1/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PBT2-3	3	11/1/96	TPH (Kerosene)	1000	ND		10.	mg/kg
PBT2-3	3	11/1/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PBT2-3	3	11/1/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PBT2-3	3	11/1/96	TPH (WD 40)	10000	ND		10.	mg/kg
PBT3-0.5	0.5	11/4/96	PCB-1016	50	ND		0.050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PBT3-0.5	0.5	11/4/96	PCB-1221	50	ND		0.050	mg/kg
PBT3-0.5	0.5	11/4/96	PCB-1232	50	ND		0.050	mg/kg
PBT3-0.5	0.5	11/4/96	PCB-1242	50	ND		0.050	mg/kg
PBT3-0.5	0.5	11/4/96	PCB-1248	50	ND		0.050	mg/kg
PBT3-0.5	0.5	11/4/96	PCB-1254	50	ND		0.050	mg/kg
PBT3-0.5	0.5	11/4/96	PCB-1260	50	.072		0.050	mg/kg
PBT3-0.5	0.5	11/4/96	Total PCBs (Summation)	50	.072		0.050	mg/kg
PBT3-0.5	0.5	11/4/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
PBT3-0.5	0.5	11/4/96	TPH (Crude/Waste Oil)	10000	100		50.	mg/kg
PBT3-0.5	0.5	11/4/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
PBT3-0.5	0.5	11/4/96	TPH (Gasoline)	1000	ND		20.	mg/kg
PBT3-0.5	0.5	11/4/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
PBT3-0.5	0.5	11/4/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
PBT3-0.5	0.5	11/4/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
PBT3-0.5	0.5	11/4/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
PBT3-0.5	0.5	11/4/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PBT3-0.5	0.5	11/4/96	TPH (Kerosene)	1000	ND		10.	mg/kg
PBT3-0.5	0.5	11/4/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PBT3-0.5	0.5	11/4/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PBT3-0.5	0.5	11/4/96	TPH (WD 40)	10000	ND		10.	mg/kg
PBT3-0.5	0.5	11/4/96	PCB-1016	50	ND		0.050	mg/kg
PBT3-3	3	11/4/96	PCB-1221	50	ND		0.050	mg/kg
PBT3-3	3	11/4/96	PCB-1232	50	ND		0.050	mg/kg
PBT3-3	3	11/4/96	PCB-1242	50	ND		0.050	mg/kg
PBT3-3	3	11/4/96	PCB-1248	50	ND		0.050	mg/kg
PBT3-3	3	11/4/96	PCB-1254	50	ND		0.050	mg/kg
PBT3-3	3	11/4/96	PCB-1260	50	ND		0.050	mg/kg
PBT3-3	3	11/4/96	Total PCBs (Summation)	1000	ND		50.	mg/kg
PBT3-3	3	11/4/96	TPH (Aviation Gas)	10000	ND		50.	mg/kg
PBT3-3	3	11/4/96	TPH (Crude/Waste Oil)					

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PBT3-3	3	11/4/96	TPH (Diesel-FFP)	10000	5.3	J	5.0	mg/kg
PBT3-3	3	11/4/96	TPH (Gasoline)	1000	ND		20.	mg/kg
PBT3-3	3	11/4/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
PBT3-3	3	11/4/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
PBT3-3	3	11/4/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
PBT3-3	3	11/4/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
PBT3-3	3	11/4/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PBT3-3	3	11/4/96	TPH (Kerosene)	1000	ND		10.	mg/kg
PBT3-3	3	11/4/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PBT3-3	3	11/4/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PBT3-3	3	11/4/96	TPH (WD 40)	10000	ND		10.	mg/kg
PBT4-0.5	0.5	11/4/96	PCB-1016	50	ND		.02	mg/kg
PBT4-0.5	0.5	11/4/96	PCB-1221	50	ND		.02	mg/kg
PBT4-0.5	0.5	11/4/96	PCB-1232	50	ND		.02	mg/kg
PBT4-0.5	0.5	11/4/96	PCB-1242	50	ND		.02	mg/kg
PBT4-0.5	0.5	11/4/96	PCB-1248	50	ND		.02	mg/kg
PBT4-0.5	0.5	11/4/96	PCB-1254	50	ND		.02	mg/kg
PBT4-0.5	0.5	11/4/96	PCB-1260	50	.22		.02	mg/kg
PBT4-0.5	0.5	11/4/96	Total PCBs (Summation)	50	.22		.02	mg/kg
PBT4-0.5	0.5	11/4/96	TPH (Aviation Gas)	1000	ND		200	mg/kg
PBT4-0.5	0.5	11/4/96	TPH (Crude/Waste Oil)	10000	480	J	200	mg/kg
PBT4-0.5	0.5	11/4/96	TPH (Diesel-FFP)	10000	ND		20	mg/kg
PBT4-0.5	0.5	11/4/96	TPH (Gasoline)	1000	ND		80	mg/kg
PBT4-0.5	0.5	11/4/96	TPH (Heavy Naptha)	1000	ND		40	mg/kg
PBT4-0.5	0.5	11/4/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		80	mg/kg
PBT4-0.5	0.5	11/4/96	TPH (Jet Fuel JP4)	1000	ND		40	mg/kg
PBT4-0.5	0.5	11/4/96	TPH (Jet Fuel JP5)	1000	ND		40	mg/kg
PBT4-0.5	0.5	11/4/96	TPH (Jet Fuel JP8)	1000	ND		40	mg/kg
PBT4-0.5	0.5	11/4/96	TPH (Kerosene)	1000	ND		200	mg/kg
PBT4-0.5	0.5	11/4/96	TPH (Light Naptha)					

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PBT4-0.5	0.5	11/4/96	TPH (Stoddard Solvent)	1000	ND		80	mg/kg
PBT4-0.5	0.5	11/4/96	TPH (WD 40)	10000	ND		40	mg/kg
PBT4-3	3	11/4/96	PCB-1016	50	ND		0.050	mg/kg
PBT4-3	3	11/4/96	PCB-1221	50	ND		0.050	mg/kg
PBT4-3	3	11/4/96	PCB-1232	50	ND		0.050	mg/kg
PBT4-3	3	11/4/96	PCB-1242	50	ND		0.050	mg/kg
PBT4-3	3	11/4/96	PCB-1248	50	ND		0.050	mg/kg
PBT4-3	3	11/4/96	PCB-1254	50	ND		0.050	mg/kg
PBT4-3	3	11/4/96	PCB-1260	50	ND		0.050	mg/kg
PBT4-3	3	11/4/96	Total PCBs (Summation)	50	ND		0.050	mg/kg
PBT4-3	3	11/4/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
PBT4-3	3	11/4/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
PBT4-3	3	11/4/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
PBT4-3	3	11/4/96	TPH (Gasoline)	1000	ND		20.	mg/kg
PBT4-3	3	11/4/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
PBT4-3	3	11/4/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
PBT4-3	3	11/4/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
PBT4-3	3	11/4/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
PBT4-3	3	11/4/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PBT4-3	3	11/4/96	TPH (Kerosene)	1000	ND		10.	mg/kg
PBT4-3	3	11/4/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PBT4-3	3	11/4/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PBT4-3	3	11/4/96	TPH (WD 40)	10000	ND		10.	mg/kg
PBT5-01.5	1.5	10/31/96	PCB-1016	50	ND		0.050	mg/kg
PBT5-01.5	1.5	10/31/96	PCB-1221	50	ND		0.050	mg/kg
PBT5-01.5	1.5	10/31/96	PCB-1232	50	ND		0.050	mg/kg
PBT5-01.5	1.5	10/31/96	PCB-1242	50	ND		0.050	mg/kg
PBT5-01.5	1.5	10/31/96	PCB-1248	50	ND		0.050	mg/kg
PBT5-01.5	1.5	10/31/96	PCB-1254	50	ND		0.050	mg/kg
PBT5-01.5	1.5	10/31/96	PCB-1260					

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PBT5-01.5	1.5	10/31/96	Total PCBs (Summation)	50	ND		0.050	mg/kg
PBT5-01.5	1.5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
PBT5-01.5	1.5	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
PBT5-01.5	1.5	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
PBT5-01.5	1.5	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
PBT5-01.5	1.5	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
PBT5-01.5	1.5	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
PBT5-01.5	1.5	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
PBT5-01.5	1.5	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
PBT5-01.5	1.5	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PBT5-01.5	1.5	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
PBT5-01.5	1.5	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PBT5-01.5	1.5	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PBT5-01.5	1.5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
PBT5-04.5	4.5	10/31/96	PCB-1016	50	ND		0.050	mg/kg
PBT5-04.5	4.5	10/31/96	PCB-1221	50	ND		0.050	mg/kg
PBT5-04.5	4.5	10/31/96	PCB-1232	50	ND		0.050	mg/kg
PBT5-04.5	4.5	10/31/96	PCB-1242	50	ND		0.050	mg/kg
PBT5-04.5	4.5	10/31/96	PCB-1248	50	ND		0.050	mg/kg
PBT5-04.5	4.5	10/31/96	PCB-1254	50	ND		0.050	mg/kg
PBT5-04.5	4.5	10/31/96	PCB-1260	50	ND		0.050	mg/kg
PBT5-04.5	4.5	10/31/96	Total PCBs (Summation)	50	ND		0.050	mg/kg
PBT5-04.5	4.5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
PBT5-04.5	4.5	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
PBT5-04.5	4.5	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
PBT5-04.5	4.5	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
PBT5-04.5	4.5	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
PBT5-04.5	4.5	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
PBT5-04.5	4.5	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
PBT5-04.5	4.5	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PBT5-04.5	4.5	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PBT5-04.5	4.5	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
PBT5-04.5	4.5	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PBT5-04.5	4.5	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PBT5-04.5	4.5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
PBT6-0.5	0.5	11/4/96	PCB-1016	50	ND		0.050	mg/kg
PBT6-0.5	0.5	11/4/96	PCB-1221	50	ND		0.050	mg/kg
PBT6-0.5	0.5	11/4/96	PCB-1232	50	ND		0.050	mg/kg
PBT6-0.5	0.5	11/4/96	PCB-1242	50	ND		0.050	mg/kg
PBT6-0.5	0.5	11/4/96	PCB-1248	50	ND		0.050	mg/kg
PBT6-0.5	0.5	11/4/96	PCB-1254	50	ND		0.050	mg/kg
PBT6-0.5	0.5	11/4/96	PCB-1260	50	ND		0.050	mg/kg
PBT6-0.5	0.5	11/4/96	Total PCBs (Summation)	50	ND		0.050	mg/kg
PBT6-0.5	0.5	11/4/96	TPH (Aviation Gas)	1000	ND		200	mg/kg
PBT6-0.5	0.5	11/4/96	TPH (Crude/Waste Oil)	10000	ND		200	mg/kg
PBT6-0.5	0.5	11/4/96	TPH (Diesel-FFP)	10000	340	J	20	mg/kg
PBT6-0.5	0.5	11/4/96	TPH (Gasoline)	1000	ND		80	mg/kg
PBT6-0.5	0.5	11/4/96	TPH (Heavy Naptha)	1000	ND		40	mg/kg
PBT6-0.5	0.5	11/4/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		80	mg/kg
PBT6-0.5	0.5	11/4/96	TPH (Jet Fuel JP4)	1000	ND		40	mg/kg
PBT6-0.5	0.5	11/4/96	TPH (Jet Fuel JP5)	1000	ND		40	mg/kg
PBT6-0.5	0.5	11/4/96	TPH (Jet Fuel JP8)	1000	ND		40	mg/kg
PBT6-0.5	0.5	11/4/96	TPH (Kerosene)	1000	ND		40	mg/kg
PBT6-0.5	0.5	11/4/96	TPH (Light Naptha)	1000	ND		200	mg/kg
PBT6-0.5	0.5	11/4/96	TPH (Stoddard Solvent)	1000	ND		80	mg/kg
PBT6-0.5	0.5	11/4/96	TPH (WD 40)	10000	ND		40	mg/kg
PBT6-0.5	0.5	11/4/96	PCB-1016	50	ND		0.050	mg/kg
PBT6-3	3	11/4/96	PCB-1221	50	ND		0.050	mg/kg
PBT6-3	3	11/4/96	PCB-1232	50	ND		0.050	mg/kg
PBT6-3	3	11/4/96	PCB-1242	50	ND		0.050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PBT6-3	3	11/4/96	PCB-1248	50	ND		0.050	mg/kg
PBT6-3	3	11/4/96	PCB-1254	50	ND		0.050	mg/kg
PBT6-3	3	11/4/96	PCB-1260	50	ND		0.050	mg/kg
PBT6-3	3	11/4/96	Total PCBs (Summation)	50	ND		0.050	mg/kg
PBT6-3	3	11/4/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
PBT6-3	3	11/4/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
PBT6-3	3	11/4/96	TPH (Diesel-FFP)	10000	70	J	5.0	mg/kg
PBT6-3	3	11/4/96	TPH (Gasoline)	1000	ND		20.	mg/kg
PBT6-3	3	11/4/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
PBT6-3	3	11/4/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
PBT6-3	3	11/4/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
PBT6-3	3	11/4/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
PBT6-3	3	11/4/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PBT6-3	3	11/4/96	TPH (Kerosene)	1000	ND		10.	mg/kg
PBT6-3	3	11/4/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PBT6-3	3	11/4/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PBT6-3	3	11/4/96	TPH (WD 40)	10000	ND		10.	mg/kg
PBT7-0.5	0.5	11/4/96	PCB-1016	50	ND		.3	mg/kg
PBT7-0.5	0.5	11/4/96	PCB-1221	50	ND		.3	mg/kg
PBT7-0.5	0.5	11/4/96	PCB-1232	50	ND		.3	mg/kg
PBT7-0.5	0.5	11/4/96	PCB-1242	50	ND		.3	mg/kg
PBT7-0.5	0.5	11/4/96	PCB-1248	50	ND		.3	mg/kg
PBT7-0.5	0.5	11/4/96	PCB-1254	50	1.5		.3	mg/kg
PBT7-0.5	0.5	11/4/96	PCB-1260	50	ND		.3	mg/kg
PBT7-0.5	0.5	11/4/96	Total PCBs (Summation)	50	1.5		.3	mg/kg
PBT7-0.5	0.5	11/4/96	TPH (Aviation Gas)	1000	ND		100	mg/kg
PBT7-0.5	0.5	11/4/96	TPH (Crude/Waste Oil)	10000	ND		100	mg/kg
PBT7-0.5	0.5	11/4/96	TPH (Diesel-FFP)	10000	ND		10	mg/kg
PBT7-0.5	0.5	11/4/96	TPH (Gasoline)	1000	ND		40	mg/kg
PBT7-0.5	0.5	11/4/96	TPH (Heavy Naptha)	1000	ND		20	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PBT7-0.5	0.5	11/4/96	TPH (Hydraulic Oil / Motor-Oil)	10000	120	J	40	mg/kg
PBT7-0.5	0.5	11/4/96	TPH (Jet Fuel JP4)	1000	ND		20	mg/kg
PBT7-0.5	0.5	11/4/96	TPH (Jet Fuel JP5)	1000	ND		20	mg/kg
PBT7-0.5	0.5	11/4/96	TPH (Jet Fuel JP8)	1000	ND		20	mg/kg
PBT7-0.5	0.5	11/4/96	TPH (Kerosene)	1000	ND		20	mg/kg
PBT7-0.5	0.5	11/4/96	TPH (Light Naptha)	1000	ND		100	mg/kg
PBT7-0.5	0.5	11/4/96	TPH (Stoddard Solvent)	1000	ND		40	mg/kg
PBT7-0.5	0.5	11/4/96	TPH (WD 40)	10000	ND		20	mg/kg
SURFACE WATER DISCHARGE								
SD-1-0.5	0.5	2/6/97	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SD-1-0.5	0.5	2/6/97	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	2,2-Dichloropropane	NA	ND			

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-1-0.5	0.5	2/6/97	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	Antimony	680	ND		5.0	mg/kg
SD-1-0.5	0.5	2/6/97	Arsenic	2.4	2.0		1.0	mg/kg
SD-1-0.5	0.5	2/6/97	Barium	100000	103		.5	mg/kg
SD-1-0.5	0.5	2/6/97	Benzene	0.077	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	Beryllium	1.1	.43		.1	mg/kg
SD-1-0.5	0.5	2/6/97	Bromobenzene	NA	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	Bromochloromethane	NA	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	Bromoform	240	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	Bromomethane	23	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	Cadmium	850	.52		.1	mg/kg
SD-1-0.5	0.5	2/6/97	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	Chlorobenzene	220	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	Chloroethane	1600	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	Chloroform	0.53	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	Chloromethane	2.6	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	Chromium	450	15		.5	mg/kg
SD-1-0.5	0.5	2/6/97	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
SD-1-0.5	0.5	2/6/97	Cobalt	97000	6.1		.5	mg/kg
SD-1-0.5	0.5	2/6/97	Copper	63000	31		.5	mg/kg
SD-1-0.5	0.5	2/6/97	Dibromochloromethane	23	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	Dibromomethane	6800	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	Ethyl Benzene	17	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	Isopropylbenzene	62	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	Lead	1000	6.0		1.0	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-1-0.5	0.5	2/6/97	Mercury	68	ND		.02	mg/kg
SD-1-0.5	0.5	2/6/97	Methylene Chloride	18	ND		0.010	mg/kg
SD-1-0.5	0.5	2/6/97	Molybdenum	8500	ND		.5	mg/kg
SD-1-0.5	0.5	2/6/97	n-Butylbenzene	NA	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	n-Propylbenzene	NA	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	Naphthalene	240	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	Nickel	11000	10		.5	mg/kg
SD-1-0.5	0.5	2/6/97	o-Xylene	48	ND		.002	mg/kg
SD-1-0.5	0.5	2/6/97	p-& m-Xylenes	48	ND		.002	mg/kg
SD-1-0.5	0.5	2/6/97	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	sec-Butylbenzene	NA	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	Selenium	8500	ND		1.0	mg/kg
SD-1-0.5	0.5	2/6/97	Silver	8500	ND		.5	mg/kg
SD-1-0.5	0.5	2/6/97	Styrene	680	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	Tetrachloroethene	17	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	Thallium	120	ND		5.0	mg/kg
SD-1-0.5	0.5	2/6/97	Toluene	4	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	TPH (Aviation Gas)	1000	ND		50.	mg/kg
SD-1-0.5	0.5	2/6/97	TPH (Crude/Waste Oil)	10000	28	U	20.	mg/kg
SD-1-0.5	0.5	2/6/97	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
SD-1-0.5	0.5	2/6/97	TPH (Gasoline)	1000	ND		20.	mg/kg
SD-1-0.5	0.5	2/6/97	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
SD-1-0.5	0.5	2/6/97	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
SD-1-0.5	0.5	2/6/97	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
SD-1-0.5	0.5	2/6/97	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
SD-1-0.5	0.5	2/6/97	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
SD-1-0.5	0.5	2/6/97	TPH (Kerosene)	1000	ND		10.	mg/kg
SD-1-0.5	0.5	2/6/97	TPH (Light Naptha)	1000	ND		50.	mg/kg
SD-1-0.5	0.5	2/6/97	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-1-0.5	0.5	2/6/97	TPH (WD 40)	10000	ND		10.	mg/kg
SD-1-0.5	0.5	2/6/97	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SD-1-0.5	0.5	2/6/97	Trichloroethene	7	ND		0.0020	mg/kg
SD-1-0.5	0.5	2/6/97	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SD-1-0.5	0.5	2/6/97	Vanadium	12000	44		.5	mg/kg
SD-1-0.5	0.5	2/6/97	Vinyl Chloride	0.035	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	Zinc	100000	60		.5	mg/kg
SD-2-0.5	0.5	2/6/97	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SD-2-0.5	0.5	2/6/97	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	2-Chlorotoluene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-2-0.5	0.5	2/6/97	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	Antimony	680	ND		5.0	mg/kg
SD-2-0.5	0.5	2/6/97	Arsenic	2.4	3.1		1.0	mg/kg
SD-2-0.5	0.5	2/6/97	Barium	100000	99		.5	mg/kg
SD-2-0.5	0.5	2/6/97	Benzene	0.077	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	Beryllium	1.1	.42		.13	mg/kg
SD-2-0.5	0.5	2/6/97	Bromobenzene	NA	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	Bromochloromethane	NA	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	Bromoform	240	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	Bromomethane	23	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	Cadmium	850	.61		.12	mg/kg
SD-2-0.5	0.5	2/6/97	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	Chlorobenzene	220	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	Chloroethane	1600	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	Chloroform	0.53	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	Chloromethane	2.6	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	Chromium	450	86		.5	mg/kg
SD-2-0.5	0.5	2/6/97	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
SD-2-0.5	0.5	2/6/97	Cobalt	97000	5.0		.5	mg/kg
SD-2-0.5	0.5	2/6/97	Copper	63000	82		.5	mg/kg
SD-2-0.5	0.5	2/6/97	Dibromochloromethane	23	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	Dibromomethane	6800	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	Ethyl Benzene	17	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	Isopropylbenzene	62	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	Lead	1000	42		1.0	mg/kg
SD-2-0.5	0.5	2/6/97	Mercury	68	.046		.02	mg/kg
SD-2-0.5	0.5	2/6/97						

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-2-0.5	0.5	2/6/97	Methylene Chloride	18	ND		0.010	mg/kg
SD-2-0.5	0.5	2/6/97	Molybdenum	8500	3.9		.5	mg/kg
SD-2-0.5	0.5	2/6/97	n-Butylbenzene	NA	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	n-Propylbenzene	NA	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	Naphthalene	240	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	Nickel	11000	35		.5	mg/kg
SD-2-0.5	0.5	2/6/97	o-Xylene	48	ND		.002	mg/kg
SD-2-0.5	0.5	2/6/97	p-& m-Xylenes	48	ND		.002	mg/kg
SD-2-0.5	0.5	2/6/97	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	sec-Butylbenzene	NA	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	Selenium	NA	ND		1.0	mg/kg
SD-2-0.5	0.5	2/6/97	Silver	NA	ND		.5	mg/kg
SD-2-0.5	0.5	2/6/97	Styrene	NA	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	Tetrachloroethene	NA	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	Thallium	NA	ND		5.0	mg/kg
SD-2-0.5	0.5	2/6/97	Toluene	NA	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	TPH (Aviation Gas)	NA	ND		200	mg/kg
SD-2-0.5	0.5	2/6/97	TPH (Crude/Waste Oil)	NA	ND		80	mg/kg
SD-2-0.5	0.5	2/6/97	TPH (Diesel-FFP)	NA	ND		20	mg/kg
SD-2-0.5	0.5	2/6/97	TPH (Gasoline)	NA	ND		80	mg/kg
SD-2-0.5	0.5	2/6/97	TPH (Heavy Naptha)	NA	ND		40	mg/kg
SD-2-0.5	0.5	2/6/97	TPH (Hydraulic Oil / Motor-Oil)	NA	250		80	mg/kg
SD-2-0.5	0.5	2/6/97	TPH (Jet Fuel JP4)	NA	ND		40.	mg/kg
SD-2-0.5	0.5	2/6/97	TPH (Jet Fuel JP5)	NA	ND		40	mg/kg
SD-2-0.5	0.5	2/6/97	TPH (Jet Fuel JP8)	NA	ND		40	mg/kg
SD-2-0.5	0.5	2/6/97	TPH (Kerosene)	NA	ND		40	mg/kg
SD-2-0.5	0.5	2/6/97	TPH (Light Naptha)	NA	ND		200	mg/kg
SD-2-0.5	0.5	2/6/97	TPH (Stoddard Solvent)	NA	ND		80	mg/kg
SD-2-0.5	0.5	2/6/97	TPH (WD 40)	NA	ND		40	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-2-0.5	0.5	2/6/97	trans-1,2-Dichloroethene	NA	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SD-2-0.5	0.5	2/6/97	Trichloroethene	NA	ND		0.0020	mg/kg
SD-2-0.5	0.5	2/6/97	Trichlorofluoromethane	NA	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	Vanadium	NA	50		.5	mg/kg
SD-2-0.5	0.5	2/6/97	Vinyl Chloride	NA	ND		0.0050	mg/kg
SD-2-0.5	0.5	2/6/97	Zinc	NA	268		.5	mg/kg
SD-3-0.5	0.5	2/6/97	1,1,1,2-Tetrachloroethane	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	1,1,1-Trichloroethane	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	1,1,2,2-Tetrachloroethane	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	1,1,2-Trichloroethane	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	1,1-Dichloroethane	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	1,1-Dichloroethene	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	1,2,3-Trichloropropane	NA	ND		0.010	mg/kg
SD-3-0.5	0.5	2/6/97	1,2,4-Trichlorobenzene	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	1,2-Dibromo-3-chloropropane	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	1,2-Dibromoethane	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	1,2-Dichlorobenzene	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	1,2-Dichloroethane	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	1,2-Dichloropropane	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	1,3-Dichlorobenzene	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	1,4-Dichlorobenzene	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	2,2-Dichloropropane	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	2-Chlorotoluene	NA				
SD-3-0.5	0.5	2/6/97	4-Chlorotoluene					

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-3-0.5	0.5	2/6/97	Antimony	NA	ND		5.0	mg/kg
SD-3-0.5	0.5	2/6/97	Arsenic	NA	ND		1.0	mg/kg
SD-3-0.5	0.5	2/6/97	Barium	NA	103		.5	mg/kg
SD-3-0.5	0.5	2/6/97	Benzene	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	Beryllium	NA	.30		.1	mg/kg
SD-3-0.5	0.5	2/6/97	Bromobenzene	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	Bromochloromethane	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	Bromodichloromethane	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	Bromoform	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	Bromomethane	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	Cadmium	NA	.38		.1	mg/kg
SD-3-0.5	0.5	2/6/97	Carbon Tetrachloride	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	Chlorobenzene	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	Chloroethane	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	Chloroform	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	Chloromethane	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	Chromium	NA	22		.5	mg/kg
SD-3-0.5	0.5	2/6/97	cis-1,2-Dichloroethene	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	cis-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SD-3-0.5	0.5	2/6/97	Cobalt	NA	5.4		.5	mg/kg
SD-3-0.5	0.5	2/6/97	Copper	NA	26		.5	mg/kg
SD-3-0.5	0.5	2/6/97	Dibromochloromethane	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	Dibromomethane	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	Dichlorodifluoromethane	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	Ethyl Benzene	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	Hexachlorobutadiene	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	Isopropylbenzene	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	Lead	NA	14		1.0	mg/kg
SD-3-0.5	0.5	2/6/97	Mercury	NA	ND		.02	mg/kg
SD-3-0.5	0.5	2/6/97	Methylene Chloride	NA	ND		0.010	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-3-0.5	0.5	2/6/97	Molybdenum	NA	.52		.5	mg/kg
SD-3-0.5	0.5	2/6/97	n-Butylbenzene	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	n-Propylbenzene	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	Naphthalene	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	Nickel	NA	12		.5	mg/kg
SD-3-0.5	0.5	2/6/97	o-Xylene	NA	ND		.002	mg/kg
SD-3-0.5	0.5	2/6/97	p-& m-Xylenes	NA	ND		.002	mg/kg
SD-3-0.5	0.5	2/6/97	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	sec-Butylbenzene	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	Selenium	NA	ND		1.0	mg/kg
SD-3-0.5	0.5	2/6/97	Silver	NA	ND		.5	mg/kg
SD-3-0.5	0.5	2/6/97	Styrene	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	Tetrachloroethene	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	Thallium	NA	ND		5.0	mg/kg
SD-3-0.5	0.5	2/6/97	Toluene	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	TPH (Aviation Gas)	NA	ND		50.	mg/kg
SD-3-0.5	0.5	2/6/97	TPH (Crude/Waste Oil)	NA	29	U	20.	mg/kg
SD-3-0.5	0.5	2/6/97	TPH (Diesel-FFP)	NA	ND		5.0	mg/kg
SD-3-0.5	0.5	2/6/97	TPH (Gasoline)	NA	ND		20.	mg/kg
SD-3-0.5	0.5	2/6/97	TPH (Heavy Naptha)	NA	ND		10.	mg/kg
SD-3-0.5	0.5	2/6/97	TPH (Hydraulic Oil / Motor-Oil)	NA	ND		20.	mg/kg
SD-3-0.5	0.5	2/6/97	TPH (Jet Fuel JP4)	NA	ND		10.	mg/kg
SD-3-0.5	0.5	2/6/97	TPH (Jet Fuel JP5)	NA	ND		10.	mg/kg
SD-3-0.5	0.5	2/6/97	TPH (Jet Fuel JP8)	NA	ND		10.	mg/kg
SD-3-0.5	0.5	2/6/97	TPH (Kerosene)	NA	ND		10.	mg/kg
SD-3-0.5	0.5	2/6/97	TPH (Light Naptha)	NA	ND		50.	mg/kg
SD-3-0.5	0.5	2/6/97	TPH (Stoddard Solvent)	NA	ND		20.	mg/kg
SD-3-0.5	0.5	2/6/97	TPH (WD 40)	NA	ND		10.	mg/kg
SD-3-0.5	0.5	2/6/97	trans-1,2-Dichloroethene				0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-3-0.5	0.5	2/6/97	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SD-3-0.5	0.5	2/6/97	Trichloroethene	NA	ND		0.0020	mg/kg
SD-3-0.5	0.5	2/6/97	Trichlorofluoromethane	NA	ND		0.0050	mg/kg
SD-3-0.5	0.5	2/6/97	Vanadium	NA	35		.5	mg/kg
SD-3-0.5	0.5	2/6/97	Vinyl Chloride	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	Zinc	NA	178		.5	mg/kg
SD-4-0.5	0.5	2/6/97	1,1,1,2-Tetrachloroethane	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	1,1,1-Trichloroethane	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	1,1,2,2-Tetrachloroethane	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	1,1,2-Trichloroethane	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	1,1-Dichloroethane	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	1,1-Dichloroethene	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	1,2,3-Trichloropropane	NA	ND		0.010	mg/kg
SD-4-0.5	0.5	2/6/97	1,2,4-Trichlorobenzene	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	1,2-Dibromo-3-chloropropane	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	1,2-Dibromoethane	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	1,2-Dichlorobenzene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	1,2-Dichloroethane	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	1,2-Dichloropropane	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	1,3-Dichlorobenzene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	1,4-Dichlorobenzene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	Antimony	NA	ND		5.0	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-4-0.5	0.5	2/6/97	Arsenic	NA	2.4		1.0	mg/kg
SD-4-0.5	0.5	2/6/97	Barium	NA	103		.5	mg/kg
SD-4-0.5	0.5	2/6/97	Benzene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	Beryllium	NA	.27		.1	mg/kg
SD-4-0.5	0.5	2/6/97	Bromobenzene	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	Bromochloromethane	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	Bromodichloromethane	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	Bromoform	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	Bromomethane	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	Cadmium	NA	.14		.1	mg/kg
SD-4-0.5	0.5	2/6/97	Carbon Tetrachloride	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	Chlorobenzene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	Chloroethane	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	Chloroform	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	Chloromethane	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	Chromium	NA	23		.5	mg/kg
SD-4-0.5	0.5	2/6/97	cis-1,2-Dichloroethene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	cis-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SD-4-0.5	0.5	2/6/97	Cobalt	NA	4.5		.5	mg/kg
SD-4-0.5	0.5	2/6/97	Copper	NA	27		.5	mg/kg
SD-4-0.5	0.5	2/6/97	Dibromochloromethane	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	Dibromomethane	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	Dichlorodifluoromethane	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	Ethyl Benzene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	Hexachlorobutadiene	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	Isopropylbenzene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	Lead	NA	13		1.0	mg/kg
SD-4-0.5	0.5	2/6/97	Mercury	NA	ND		.02	mg/kg
SD-4-0.5	0.5	2/6/97	Methylene Chloride	NA	ND		0.010	mg/kg
SD-4-0.5	0.5	2/6/97	Molybdenum	NA	ND		.5	mg/kg

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-4-0.5	0.5	2/6/97	n-Butylbenzene	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	n-Propylbenzene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	Naphthalene	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	Nickel	NA	14		.5	mg/kg
SD-4-0.5	0.5	2/6/97	o-Xylene	NA	ND		.002	mg/kg
SD-4-0.5	0.5	2/6/97	p-& m-Xylenes	NA	ND		.002	mg/kg
SD-4-0.5	0.5	2/6/97	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	sec-Butylbenzene	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	Selenium	NA	ND		1.0	mg/kg
SD-4-0.5	0.5	2/6/97	Silver	NA	ND		.5	mg/kg
SD-4-0.5	0.5	2/6/97	Styrene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	Tetrachloroethene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	Thallium	NA	ND		5.0	mg/kg
SD-4-0.5	0.5	2/6/97	Toluene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	TPH (Aviation Gas)	NA	ND		50.	mg/kg
SD-4-0.5	0.5	2/6/97	TPH (Crude/Waste Oil)	NA	ND		20.	mg/kg
SD-4-0.5	0.5	2/6/97	TPH (Diesel-FFP)	NA	ND		5.0	mg/kg
SD-4-0.5	0.5	2/6/97	TPH (Gasoline)	NA	ND		20.	mg/kg
SD-4-0.5	0.5	2/6/97	TPH (Heavy Naptha)	NA	ND		10.	mg/kg
SD-4-0.5	0.5	2/6/97	TPH (Hydraulic Oil / Motor-Oil)	NA	95		20.	mg/kg
SD-4-0.5	0.5	2/6/97	TPH (Jet Fuel JP4)	NA	ND		10.	mg/kg
SD-4-0.5	0.5	2/6/97	TPH (Jet Fuel JP5)	NA	ND		10.	mg/kg
SD-4-0.5	0.5	2/6/97	TPH (Jet Fuel JP8)	NA	ND		10.	mg/kg
SD-4-0.5	0.5	2/6/97	TPH (Kerosene)	NA	ND		10.	mg/kg
SD-4-0.5	0.5	2/6/97	TPH (Light Naptha)	NA	ND		50.	mg/kg
SD-4-0.5	0.5	2/6/97	TPH (Stoddard Solvent)	NA	ND		20.	mg/kg
SD-4-0.5	0.5	2/6/97	TPH (WD 40)	NA	ND		10.	mg/kg
SD-4-0.5	0.5	2/6/97	trans-1,2-Dichloroethene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg

Analytical Results
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Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-4-0.5	0.5	2/6/97	Trichloroethene	NA	ND		0.0020	mg/kg
SD-4-0.5	0.5	2/6/97	Trichlorofluoromethane	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	Vanadium	NA	38		.5	mg/kg
SD-4-0.5	0.5	2/6/97	Vinyl Chloride	NA	ND		0.0050	mg/kg
SD-4-0.5	0.5	2/6/97	Zinc	NA	70		.5	mg/kg
SD-5-0.5	0.5	2/6/97	1,1,1,2-Tetrachloroethane	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	1,1,1-Trichloroethane	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	1,1,2,2-Tetrachloroethane	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	1,1,2-Trichloroethane	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	1,1-Dichloroethane	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	1,1-Dichloroethene	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	1,2,3-Trichloropropane	NA	ND		0.010	mg/kg
SD-5-0.5	0.5	2/6/97	1,2,4-Trichlorobenzene	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	1,2-Dibromo-3-chloropropane	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	1,2-Dibromoethane	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	1,2-Dichlorobenzene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	1,2-Dichloroethane	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	1,2-Dichloropropane	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	1,3-Dichlorobenzene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	1,4-Dichlorobenzene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	2,2-Dichloropropane	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	4-Chlorotoluene	NA	ND		5.0	mg/kg
SD-5-0.5	0.5	2/6/97	Antimony	NA	5.3		1.0	mg/kg
SD-5-0.5	0.5	2/6/97	Arsenic					

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-5-0.5	0.5	2/6/97	Barium	NA	134		.5	mg/kg
SD-5-0.5	0.5	2/6/97	Benzene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	Beryllium	NA	.47		.13	mg/kg
SD-5-0.5	0.5	2/6/97	Bromobenzene	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	Bromochloromethane	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	Bromodichloromethane	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	Bromoform	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	Bromomethane	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	Cadmium	NA	.93		.12	mg/kg
SD-5-0.5	0.5	2/6/97	Carbon Tetrachloride	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	Chlorobenzene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	Chloroethane	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	Chloroform	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	Chloromethane	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	Chromium	NA	182		.5	mg/kg
SD-5-0.5	0.5	2/6/97	cis-1,2-Dichloroethene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	cis-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SD-5-0.5	0.5	2/6/97	Cobalt	NA	8.0		.5	mg/kg
SD-5-0.5	0.5	2/6/97	Copper	NA	132		.5	mg/kg
SD-5-0.5	0.5	2/6/97	Dibromochloromethane	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	Dibromomethane	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	Dichlorodifluoromethane	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	Ethyl Benzene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	Hexachlorobutadiene	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	Isopropylbenzene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	Lead	NA	118		1.0	mg/kg
SD-5-0.5	0.5	2/6/97	Mercury	NA	.075		.02	mg/kg
SD-5-0.5	0.5	2/6/97	Methylene Chloride	NA	ND		0.010	mg/kg
SD-5-0.5	0.5	2/6/97	Molybdenum	NA	3.5		.5	mg/kg
SD-5-0.5	0.5	2/6/97	n-Butylbenzene	NA	ND		0.0050	mg/kg

Analytical Results
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Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-5-0.5	0.5	2/6/97	n-Propylbenzene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	Naphthalene	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	Nickel	NA	72		.5	mg/kg
SD-5-0.5	0.5	2/6/97	o-Xylene	NA	ND		.002	mg/kg
SD-5-0.5	0.5	2/6/97	p-& m-Xylenes	NA	ND		.002	mg/kg
SD-5-0.5	0.5	2/6/97	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	sec-Butylbenzene	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	Selenium	NA	ND		1.0	mg/kg
SD-5-0.5	0.5	2/6/97	Silver	NA	ND		.5	mg/kg
SD-5-0.5	0.5	2/6/97	Styrene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	Tetrachloroethene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	Thallium	NA	ND		5.0	mg/kg
SD-5-0.5	0.5	2/6/97	Toluene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	TPH (Aviation Gas)	NA	ND		300	mg/kg
SD-5-0.5	0.5	2/6/97	TPH (Crude/Waste Oil)	NA	ND		100	mg/kg
SD-5-0.5	0.5	2/6/97	TPH (Diesel-FFP)	NA	ND		50	mg/kg
SD-5-0.5	0.5	2/6/97	TPH (Gasoline)	NA	ND		100	mg/kg
SD-5-0.5	0.5	2/6/97	TPH (Heavy Naptha)	NA	ND		50	mg/kg
SD-5-0.5	0.5	2/6/97	TPH (Hydraulic Oil / Motor-Oil)	NA	360		100	mg/kg
SD-5-0.5	0.5	2/6/97	TPH (Jet Fuel JP4)	NA	ND		50	mg/kg
SD-5-0.5	0.5	2/6/97	TPH (Jet Fuel JP5)	NA	ND		50	mg/kg
SD-5-0.5	0.5	2/6/97	TPH (Jet Fuel JP8)	NA	ND		50	mg/kg
SD-5-0.5	0.5	2/6/97	TPH (Kerosene)	NA	ND		50	mg/kg
SD-5-0.5	0.5	2/6/97	TPH (Light Naptha)	NA	ND		300	mg/kg
SD-5-0.5	0.5	2/6/97	TPH (Stoddard Solvent)	NA	ND		100	mg/kg
SD-5-0.5	0.5	2/6/97	TPH (WD 40)	NA	ND		50	mg/kg
SD-5-0.5	0.5	2/6/97	trans-1,2-Dichloroethene	NA	ND		0.0020	mg/kg
SD-5-0.5	0.5	2/6/97	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SD-5-0.5	0.5	2/6/97	Trichloroethene	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-5-0.5	0.5	2/6/97	Trichlorofluoromethane	NA	ND		0.0050	mg/kg
SD-5-0.5	0.5	2/6/97	Vanadium	NA	84		.5	mg/kg
SD-5-0.5	0.5	2/6/97	Vinyl Chloride	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	Zinc	NA	447		.5	mg/kg
SD-6-0.5	0.5	2/6/97	1,1,1,2-Tetrachloroethane	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	1,1,1-Trichloroethane	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	1,1,2,2-Tetrachloroethane	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	1,1,2-Trichloroethane	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	1,1-Dichloroethane	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	1,1-Dichloroethene	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	1,2,3-Trichloropropane	NA	ND		0.010	mg/kg
SD-6-0.5	0.5	2/6/97	1,2,4-Trichlorobenzene	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	1,2-Dibromo-3-chloropropane	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	1,2-Dibromoethane	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	1,2-Dichlorobenzene	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	1,2-Dichloroethane	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	1,2-Dichloropropane	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	1,3-Dichlorobenzene	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	1,4-Dichlorobenzene	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	Antimony	NA	ND		5.0	mg/kg
SD-6-0.5	0.5	2/6/97	Arsenic	NA	4.4		2.0	mg/kg
SD-6-0.5	0.5	2/6/97	Barium	NA	178		.5	mg/kg

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-6-0.5	0.5	2/6/97	Benzene	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	Beryllium	NA	.46		.26	mg/kg
SD-6-0.5	0.5	2/6/97	Bromobenzene	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	Bromochloromethane	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	Bromodichloromethane	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	Bromoform	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	Bromomethane	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	Cadmium	NA	.67		.24	mg/kg
SD-6-0.5	0.5	2/6/97	Carbon Tetrachloride	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	Chlorobenzene	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	Chloroethane	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	Chloroform	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	Chloromethane	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	Chromium	NA	51		.5	mg/kg
SD-6-0.5	0.5	2/6/97	cis-1,2-Dichloroethene	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	cis-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SD-6-0.5	0.5	2/6/97	Cobalt	NA	5.2		.5	mg/kg
SD-6-0.5	0.5	2/6/97	Copper	NA	163		.56	mg/kg
SD-6-0.5	0.5	2/6/97	Dibromochloromethane	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	Dibromomethane	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	Dichlorodifluoromethane	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	Ethyl Benzene	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	Hexachlorobutadiene	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	Isopropylbenzene	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	Lead	NA	43		1.0	mg/kg
SD-6-0.5	0.5	2/6/97	Mercury	NA	.11		.02	mg/kg
SD-6-0.5	0.5	2/6/97	Methylene Chloride	NA	.091		0.010	mg/kg
SD-6-0.5	0.5	2/6/97	Molybdenum	NA	1.2		.56	mg/kg
SD-6-0.5	0.5	2/6/97	n-Butylbenzene	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	n-Propylbenzene	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-6-0.5	0.5	2/6/97	Naphthalene	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	Nickel	NA	58		.5	mg/kg
SD-6-0.5	0.5	2/6/97	o-Xylene	NA	ND		.002	mg/kg
SD-6-0.5	0.5	2/6/97	p-& m-Xylenes	NA	ND		.002	mg/kg
SD-6-0.5	0.5	2/6/97	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	sec-Butylbenzene	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	Selenium	8500	3.8		1.25	mg/kg
SD-6-0.5	0.5	2/6/97	Silver	8500	ND		.5	mg/kg
SD-6-0.5	0.5	2/6/97	Styrene	680	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	Tetrachloroethene	17	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	Thallium	120	ND		5.0	mg/kg
SD-6-0.5	0.5	2/6/97	Toluene	4	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	TPH (Aviation Gas)	1000	ND	UJ	2000	mg/kg
SD-6-0.5	0.5	2/6/97	TPH (Crude/Waste Oil)	10000	ND	UJ	800	mg/kg
SD-6-0.5	0.5	2/6/97	TPH (Diesel-FFP)	10000	ND	UJ	400	mg/kg
SD-6-0.5	0.5	2/6/97	TPH (Gasoline)	1000	ND	UJ	800	mg/kg
SD-6-0.5	0.5	2/6/97	TPH (Heavy Naptha)	1000	ND	UJ	400	mg/kg
SD-6-0.5	0.5	2/6/97	TPH (Hydraulic Oil / Motor-Oil)	10000	1400	J	800	mg/kg
SD-6-0.5	0.5	2/6/97	TPH (Jet Fuel JP4)	1000	ND	UJ	400	mg/kg
SD-6-0.5	0.5	2/6/97	TPH (Jet Fuel JP5)	1000	ND	UJ	400	mg/kg
SD-6-0.5	0.5	2/6/97	TPH (Jet Fuel JP8)	1000	ND	UJ	400	mg/kg
SD-6-0.5	0.5	2/6/97	TPH (Kerosene)	1000	ND	UJ	400	mg/kg
SD-6-0.5	0.5	2/6/97	TPH (Light Naptha)	1000	ND	UJ	2000	mg/kg
SD-6-0.5	0.5	2/6/97	TPH (Stoddard Solvent)	1000	ND	UJ	800	mg/kg
SD-6-0.5	0.5	2/6/97	TPH (WD 40)	10000	ND	UJ	400	mg/kg
SD-6-0.5	0.5	2/6/97	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SD-6-0.5	0.5	2/6/97	Trichloroethene	7	ND		0.0020	mg/kg
SD-6-0.5	0.5	2/6/97	Trichlorofluoromethane	1300	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-6-0.5	0.5	2/6/97	Vanadium	12000	63.		.5	mg/kg
SD-6-0.5	0.5	2/6/97	Vinyl Chloride	0.035	ND		0.0050	mg/kg
SD-6-0.5	0.5	2/6/97	Zinc	100000	189		.5	mg/kg
PIPELINES								
PL1-4.5	4.5	11/1/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
PL1-4.5	4.5	11/1/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
PL1-4.5	4.5	11/1/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
PL1-4.5	4.5	11/1/96	TPH (Gasoline)	1000	ND		20.	mg/kg
PL1-4.5	4.5	11/1/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
PL1-4.5	4.5	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
PL1-4.5	4.5	11/1/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
PL1-4.5	4.5	11/1/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
PL1-4.5	4.5	11/1/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PL1-4.5	4.5	11/1/96	TPH (Kerosene)	1000	ND		10.	mg/kg
PL1-4.5	4.5	11/1/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PL1-4.5	4.5	11/1/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PL1-4.5	4.5	11/1/96	TPH (WD 40)	10000	ND		10.	mg/kg
PL1-4.5	4.5	11/1/96	TPH (WD 40)	10000	ND		10.	mg/kg
PL2-2	2	11/1/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PL2-2	2	11/1/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PL2-2	2	11/1/96	TPH (Kerosene)	1000	ND		10.	mg/kg
PL2-2	2	11/1/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PL2-2	2	11/1/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
PL2-2	2	11/1/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
PL2-2	2	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	10000	81	J	20.	mg/kg
PL2-2	2	11/1/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
PL2-2	2	11/1/96	TPH (Gasoline)	1000	ND		20.	mg/kg
PL2-2	2	11/1/96	TPH (Diesel-FFP)	10000	ND		10.	mg/kg
PL2-2	2	11/1/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
PL2-2	2	11/1/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PL3-3	3	11/1/96	TPH (WD 40)	10000	ND		100	mg/kg
PL3-3	3	11/1/96	TPH (Stoddard Solvent)	1000	ND		200	mg/kg
PL3-3	3	11/1/96	TPH (Light Naptha)	1000	ND		500	mg/kg
PL3-3	3	11/1/96	TPH (Kerosene)	1000	ND		100	mg/kg
PL3-3	3	11/1/96	TPH (Jet Fuel JP8)	1000	ND		100	mg/kg
PL3-3	3	11/1/96	TPH (Jet Fuel JP5)	1000	ND		100	mg/kg
PL3-3	3	11/1/96	TPH (Jet Fuel JP4)	1000	ND		100	mg/kg
PL3-3	3	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	10000	600	J	200	mg/kg
PL3-3	3	11/1/96	TPH (Heavy Naptha)	1000	ND		100	mg/kg
PL3-3	3	11/1/96	TPH (Gasoline)	1000	ND		200	mg/kg
PL3-3	3	11/1/96	TPH (Diesel-FFP)	10000	ND		50	mg/kg
PL3-3	3	11/1/96	TPH (Crude/Waste Oil)	10000	ND		500	mg/kg
PL3-3	3	11/1/96	TPH (Aviation Gas)	1000	ND		500	mg/kg
PL4-3	3	11/1/96	TPH (WD 40)	10000	ND		10.	mg/kg
PL4-3	3	11/1/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PL4-3	3	11/1/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PL4-3	3	11/1/96	TPH (Kerosene)	1000	ND		10.	mg/kg
PL4-3	3	11/1/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PL4-3	3	11/1/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
PL4-3	3	11/1/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
PL4-3	3	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
PL4-3	3	11/1/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
PL4-3	3	11/1/96	TPH (Gasoline)	1000	ND		20.	mg/kg
PL4-3	3	11/1/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
PL4-3	3	11/1/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
PL4-3	3	11/1/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
PL5-3	3	11/1/96	TPH (WD 40)	10000	ND		10.	mg/kg
PL5-3	3	11/1/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PL5-3	3	11/1/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PL5-3	3	11/1/96	TPH (Kerosene)	1000	ND		10.	mg/kg

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PL5-3	3	11/1/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PL5-3	3	11/1/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
PL5-3	3	11/1/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
PL5-3	3	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
PL5-3	3	11/1/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
PL5-3	3	11/1/96	TPH (Gasoline)	1000	ND		20.	mg/kg
PL5-3	3	11/1/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
PL5-3	3	11/1/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
PL5-3	3	11/1/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
PL6-5	5	11/1/96	TPH (WD 40)	10000	ND		10.	mg/kg
PL6-5	5	11/1/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PL6-5	5	11/1/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PL6-5	5	11/1/96	TPH (Kerosene)	1000	ND		10.	mg/kg
PL6-5	5	11/1/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PL6-5	5	11/1/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
PL6-5	5	11/1/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
PL6-5	5	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
PL6-5	5	11/1/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
PL6-5	5	11/1/96	TPH (Gasoline)	1000	ND		20.	mg/kg
PL6-5	5	11/1/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
PL6-5	5	11/1/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
PL6-5	5	11/1/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
PL6-5	5	11/1/96	TPH (WD 40)	10000	ND		10.	mg/kg
PL7-5	5	11/1/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PL7-5	5	11/1/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PL7-5	5	11/1/96	TPH (Kerosene)	1000	ND		10.	mg/kg
PL7-5	5	11/1/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PL7-5	5	11/1/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
PL7-5	5	11/1/96	TPH (Jet Fuel JP4)	1000	ND		20.	mg/kg
PL7-5	5	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND			

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PL7-5	5	11/1/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
PL7-5	5	11/1/96	TPH (Gasoline)	1000	ND		20.	mg/kg
PL7-5	5	11/1/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
PL7-5	5	11/1/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
PL8-5	5	11/1/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
PL8-5	5	11/1/96	Zinc	100000	36		1	mg/kg
PL8-5	5	11/1/96	Vanadium	12000	45		1	mg/kg
PL8-5	5	11/1/96	TPH (WD 40)	10000	ND		10.	mg/kg
PL8-5	5	11/1/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PL8-5	5	11/1/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PL8-5	5	11/1/96	TPH (Kerosene)	1000	ND		10.	mg/kg
PL8-5	5	11/1/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PL8-5	5	11/1/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
PL8-5	5	11/1/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
PL8-5	5	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
PL8-5	5	11/1/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
PL8-5	5	11/1/96	TPH (Gasoline)	1000	ND		20.	mg/kg
PL8-5	5	11/1/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
PL8-5	5	11/1/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
PL8-5	5	11/1/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
PL8-5	5	11/1/96	Thallium	120	ND		5	mg/kg
PL8-5	5	11/1/96	Silver	8500	ND		1	mg/kg
PL8-5	5	11/1/96	Selenium	8500	ND		1	mg/kg
PL8-5	5	11/1/96	Nickel	11000	9.1		1	mg/kg
PL8-5	5	11/1/96	Molybdenum	8500	.51		1	mg/kg
PL8-5	5	11/1/96	Mercury	68	ND		0	mg/kg
PL8-5	5	11/1/96	Lead	1000	3.6		1	mg/kg
PL8-5	5	11/1/96	Copper	63000	12		1	mg/kg
PL8-5	5	11/1/96	Cobalt	97000	7.2		1	mg/kg
PL8-5	5	11/1/96	Chromium	450	14		1	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PL8-5	5	11/1/96	Cadmium	850	ND		0	mg/kg
PL8-5	5	11/1/96	Beryllium	1.1	.64		0	mg/kg
PL8-5	5	11/1/96	Barium	100000	112		1	mg/kg
PL8-5	5	11/1/96	Arsenic	2.4	2.6		1	mg/kg
PL8-5	5	11/1/96	Antimony	680	ND		5	mg/kg
PL9-4	4	11/4/96	Zinc	100000	35		1	mg/kg
PL9-4	4	11/4/96	Vanadium	12000	38		1	mg/kg
PL9-4	4	11/4/96	TPH (WD 40)	10000	ND		10.	mg/kg
PL9-4	4	11/4/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
PL9-4	4	11/4/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
PL9-4	4	11/4/96	TPH (Kerosene)	1000	ND		10.	mg/kg
PL9-4	4	11/4/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
PL9-4	4	11/4/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
PL9-4	4	11/4/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
PL9-4	4	11/4/96	TPH (Hydraulic Oil / Motor-Oil)	10000	38	J	20.	mg/kg
PL9-4	4	11/4/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
PL9-4	4	11/4/96	TPH (Gasoline)	1000	ND		20.	mg/kg
PL9-4	4	11/4/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
PL9-4	4	11/4/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
PL9-4	4	11/4/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
PL9-4	4	11/4/96	Thallium	120	ND		5	mg/kg
PL9-4	4	11/4/96	Silver	8500	ND		1	mg/kg
PL9-4	4	11/4/96	Selenium	8500	ND		1	mg/kg
PL9-4	4	11/4/96	Nickel	11000	9.1		1	mg/kg
PL9-4	4	11/4/96	Molybdenum	8500	ND		1	mg/kg
PL9-4	4	11/4/96	Mercury	68	ND		0	mg/kg
PL9-4	4	11/4/96	Lead	1000	4.6		1	mg/kg
PL9-4	4	11/4/96	Copper	63000	15		1	mg/kg
PL9-4	4	11/4/96	Cobalt	97000	5.1		1	mg/kg
PL9-4	4	11/4/96	Chromium	450	15			

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PL9-4	4	11/4/96	Cadmium	850	ND		0	mg/kg
PL9-4	4	11/4/96	Beryllium	1.1	.53		0	mg/kg
PL9-4	4	11/4/96	Barium	100000	116		1	mg/kg
PL9-4	4	11/4/96	Arsenic	2.4	ND		1	mg/kg
PL9-4	4	11/4/96	Antimony	680	ND		5	mg/kg
PL10-1.5	1.5	11/1/96	TPH (WD 40)	10000	ND		80	mg/kg
PL10-1.5	1.5	11/1/96	TPH (Stoddard Solvent)	1000	ND		200	mg/kg
PL10-1.5	1.5	11/1/96	TPH (Light Naptha)	1000	ND		400	mg/kg
PL10-1.5	1.5	11/1/96	TPH (Kerosene)	1000	ND		80	mg/kg
PL10-1.5	1.5	11/1/96	TPH (Jet Fuel JP8)	1000	ND		80	mg/kg
PL10-1.5	1.5	11/1/96	TPH (Jet Fuel JP5)	1000	ND		80	mg/kg
PL10-1.5	1.5	11/1/96	TPH (Jet Fuel JP4)	1000	ND		80	mg/kg
PL10-1.5	1.5	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	10000	590	J	200	mg/kg
PL10-1.5	1.5	11/1/96	TPH (Heavy Naptha)	1000	ND		80	mg/kg
PL10-1.5	1.5	11/1/96	TPH (Gasoline)	1000	ND		200	mg/kg
PL10-1.5	1.5	11/1/96	TPH (Diesel-FFP)	10000	ND		40	mg/kg
PL10-1.5	1.5	11/1/96	TPH (Crude/Waste Oil)	10000	ND		400.	mg/kg
PL10-1.5	1.5	11/1/96	TPH (Aviation Gas)	1000	ND		400	mg/kg
PL10-1.5	1.5	11/1/96	Total PCBs (Summation)	50	ND		0	mg/kg
PL10-1.5	1.5	11/1/96	PCB-1260	50	ND		0	mg/kg
PL10-1.5	1.5	11/1/96	PCB-1254	50	ND		0	mg/kg
PL10-1.5	1.5	11/1/96	PCB-1248	50	ND		0	mg/kg
PL10-1.5	1.5	11/1/96	PCB-1242	50	ND		0	mg/kg
PL10-1.5	1.5	11/1/96	PCB-1232	50	ND		0	mg/kg
PL10-1.5	1.5	11/1/96	PCB-1221	50	ND		0	mg/kg
PL10-1.5	1.5	11/1/96	PCB-1016	50	ND		0	mg/kg
PL-11-4	4	2/5/97	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PL-11-4	4	2/5/97	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
PL-11-4	4	2/5/97	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	2-Chlorotoluene	NA	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	4-Chlorotoluene	NA	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	Benzene	0.077	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	Bromobenzene	NA	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	Bromochloromethane	NA	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	Bromodichloromethane	1.4	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	Bromoform	240	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	Bromomethane	23	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	Chlorobenzene	220	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	Chloroethane	1600	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	Chloroform	0.53	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	Chloromethane	2.6	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PL-11-4	4	2/5/97	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
PL-11-4	4	2/5/97	Dibromochloromethane	23	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	Dibromomethane	6800	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	Ethyl Benzene	17	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	Hexachlorobutadiene	24	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	Isopropylbenzene	62	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	Methylene Chloride	18	ND		0.010	mg/kg
PL-11-4	4	2/5/97	n-Butylbenzene	NA	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	n-Propylbenzene	NA	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	Naphthalene	240	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	o-Xylene	48	ND		.002	mg/kg
PL-11-4	4	2/5/97	p-& m-Xylenes	48	ND		.002	mg/kg
PL-11-4	4	2/5/97	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	sec-Butylbenzene	NA	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	Styrene	NA	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	tert-Butylbenzene	NA	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	Tetrachloroethene	NA	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	Toluene	NA	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	TPH (Aviation Gas)	NA	ND		50.	mg/kg
PL-11-4	4	2/5/97	TPH (Crude/Waste Oil)	NA	ND		20.	mg/kg
PL-11-4	4	2/5/97	TPH (Diesel-FFP)	NA	ND		5.0	mg/kg
PL-11-4	4	2/5/97	TPH (Gasoline)	NA	ND		20.	mg/kg
PL-11-4	4	2/5/97	TPH (Heavy Naptha)	NA	ND		10.	mg/kg
PL-11-4	4	2/5/97	TPH (Hydraulic Oil / Motor-Oil)	NA	ND		20.	mg/kg
PL-11-4	4	2/5/97	TPH (Jet Fuel JP4)	NA	ND		10.	mg/kg
PL-11-4	4	2/5/97	TPH (Jet Fuel JP5)	NA	ND		10.	mg/kg
PL-11-4	4	2/5/97	TPH (Jet Fuel JP8)	NA	ND		10.	mg/kg
PL-11-4	4	2/5/97	TPH (Kerosene)	NA	ND		10.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PL-11-4	4	2/5/97	TPH (Light Naptha)	NA	ND		50.	mg/kg
PL-11-4	4	2/5/97	TPH (Stoddard Solvent)	NA	ND		20.	mg/kg
PL-11-4	4	2/5/97	TPH (WD 40)	NA	ND		10.	mg/kg
PL-11-4	4	2/5/97	trans-1,2-Dichloroethene	NA	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
PL-11-4	4	2/5/97	Trichloroethene	NA	ND		0.0020	mg/kg
PL-11-4	4	2/5/97	Trichlorofluoromethane	NA	ND		0.0050	mg/kg
PL-11-4	4	2/5/97	Vinyl Chloride	NA	ND		0.0050	mg/kg
PL-12-5	5	2/5/97	Antimony	NA	ND		5.0	mg/kg
PL-12-5	5	2/5/97	Arsenic	NA	140		1.0	mg/kg
PL-12-5	5	2/5/97	Barium	NA	.40		.5	mg/kg
PL-12-5	5	2/5/97	Beryllium	NA	.21		.1	mg/kg
PL-12-5	5	2/5/97	Cadmium	NA	14		.1	mg/kg
PL-12-5	5	2/5/97	Chromium	NA	7.2		.5	mg/kg
PL-12-5	5	2/5/97	Cobalt	NA	12		.5	mg/kg
PL-12-5	5	2/5/97	Copper	NA	2.8		.5	mg/kg
PL-12-5	5	2/5/97	Lead	NA	ND		1.0	mg/kg
PL-12-5	5	2/5/97	Mercury	NA	ND		.02	mg/kg
PL-12-5	5	2/5/97	Molybdenum	NA	9.4		.5	mg/kg
PL-12-5	5	2/5/97	Nickel	NA	9.22		.5	mg/kg
PL-12-5	5	2/5/97	pH	NA	ND		-	pH Units
PL-12-5	5	2/5/97	Selenium	NA	ND		1.0	mg/kg
PL-12-5	5	2/5/97	Silver	NA	ND		.5	mg/kg
PL-12-5	5	2/5/97	Thallium	NA	ND		5.0	mg/kg
PL-12-5	5	2/5/97	TPH (Aviation Gas)	NA	ND		50.	mg/kg
PL-12-5	5	2/5/97	TPH (Crude/Waste Oil)	NA	ND		20.	mg/kg
PL-12-5	5	2/5/97	TPH (Diesel-FFP)	NA	ND		5.0	mg/kg
PL-12-5	5	2/5/97	TPH (Gasoline)	NA	ND		20.	mg/kg
PL-12-5	5	2/5/97	TPH (Heavy Naptha)	NA	ND		10.	mg/kg
PL-12-5	5	2/5/97	TPH (Hydraulic Oil / Motor-Oil)	NA	ND		20.	mg/kg
PL-12-5	5	2/5/97						

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PL-12-5	5	2/5/97	TPH (Jet Fuel JP4)	NA	ND		10.	mg/kg
PL-12-5	5	2/5/97	TPH (Jet Fuel JP5)	NA	ND		10.	mg/kg
PL-12-5	5	2/5/97	TPH (Jet Fuel JP8)	NA	ND		10.	mg/kg
PL-12-5	5	2/5/97	TPH (Kerosene)	NA	ND		10.	mg/kg
PL-12-5	5	2/5/97	TPH (Light Naptha)	NA	ND		50.	mg/kg
PL-12-5	5	2/5/97	TPH (Stoddard Solvent)	NA	ND		20.	mg/kg
PL-12-5	5	2/5/97	TPH (WD 40)	NA	ND		10.	mg/kg
PL-12-5	5	2/5/97	Vanadium	NA	45		.5	mg/kg
PL-12-5	5	2/5/97	Zinc	NA	42		.5	mg/kg
PL-13-5	5	2/5/97	Antimony	NA	ND		5.0	mg/kg
PL-13-5	5	2/5/97	Arsenic	NA	1.1		1.0	mg/kg
PL-13-5	5	2/5/97	Barium	NA	92		.5	mg/kg
PL-13-5	5	2/5/97	Beryllium	NA	.36		.1	mg/kg
PL-13-5	5	2/5/97	Cadmium	NA	.20		.1	mg/kg
PL-13-5	5	2/5/97	Chromium	NA	12		.5	mg/kg
PL-13-5	5	2/5/97	Cobalt	NA	5.2		.5	mg/kg
PL-13-5	5	2/5/97	Copper	NA	8.8		.5	mg/kg
PL-13-5	5	2/5/97	Lead	NA	10		1.0	mg/kg
PL-13-5	5	2/5/97	Mercury	NA	ND		.02	mg/kg
PL-13-5	5	2/5/97	Molybdenum	NA	ND		.5	mg/kg
PL-13-5	5	2/5/97	Nickel	NA	7.8		.5	mg/kg
PL-13-5	5	2/5/97	pH	NA	8.49		-	pH Units
PL-13-5	5	2/5/97	Selenium	8500	ND		1.0	mg/kg
PL-13-5	5	2/5/97	Silver	8500	ND		.5	mg/kg
PL-13-5	5	2/5/97	Thallium	120	ND		5.0	mg/kg
PL-13-5	5	2/5/97	Vanadium	12000	37		.5	mg/kg
PL-13-5	5	2/5/97	Zinc	100000	64		.5	mg/kg
COOLING TOWERS								
CT1/2-1-0.5	0.5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT1/2-1-0.5	0.5	10/31/96	Arsenic	2.4	ND		1.0	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CT1/2-1-0.5	0.5	10/31/96	Barium	100000	99		.5	mg/kg
CT1/2-1-0.5	0.5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT1/2-1-0.5	0.5	10/31/96	Cadmium	850	ND		.1	mg/kg
CT1/2-1-0.5	0.5	10/31/96	Chromium	450	21		.5	mg/kg
CT1/2-1-0.5	0.5	10/31/96	Cobalt	97000	6.0		.5	mg/kg
CT1/2-1-0.5	0.5	10/31/96	Copper	63000	13		.5	mg/kg
CT1/2-1-0.5	0.5	10/31/96	Lead	1000	2.9		1.0	mg/kg
CT1/2-1-0.5	0.5	10/31/96	Mercury	68	ND		.02	mg/kg
CT1/2-1-0.5	0.5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT1/2-1-0.5	0.5	10/31/96	Nickel	11000	9.3		.5	mg/kg
CT1/2-1-0.5	0.5	10/31/96	pH	NA	8.87		-	pH Units
CT1/2-1-0.5	0.5	10/31/96	Selenium	8500	ND		1.0	mg/kg
CT1/2-1-0.5	0.5	10/31/96	Silver	8500	ND		.5	mg/kg
CT1/2-1-0.5	0.5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT1/2-1-0.5	0.5	10/31/96	Vanadium	12000	35		.5	mg/kg
CT1/2-1-0.5	0.5	10/31/96	Zinc	100000	41		.5	mg/kg
CT1/2-1-0.5	0.5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT1/2-1-5	5	10/31/96	Arsenic	2.4	ND		1.0	mg/kg
CT1/2-1-5	5	10/31/96	Barium	100000	114		.5	mg/kg
CT1/2-1-5	5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT1/2-1-5	5	10/31/96	Cadmium	850	ND		.1	mg/kg
CT1/2-1-5	5	10/31/96	Chromium	450	17		.5	mg/kg
CT1/2-1-5	5	10/31/96	Cobalt	97000	6.4		.5	mg/kg
CT1/2-1-5	5	10/31/96	Copper	63000	13		.5	mg/kg
CT1/2-1-5	5	10/31/96	Lead	1000	2.6		1.0	mg/kg
CT1/2-1-5	5	10/31/96	Mercury	68	ND		.02	mg/kg
CT1/2-1-5	5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT1/2-1-5	5	10/31/96	Nickel	11000	9.5		.5	mg/kg
CT1/2-1-5	5	10/31/96	pH	NA	8.65	J	-	pH Units
CT1/2-1-5	5	10/31/96	Selenium	8500	ND		1.0	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CT1/2-1-5	5	10/31/96	Silver	8500	ND		.5	mg/kg
CT1/2-1-5	5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT1/2-1-5	5	10/31/96	Vanadium	12000	42		.5	mg/kg
CT1/2-1-5	5	10/31/96	Zinc	100000	41		.5	mg/kg
CT1/2-2-0.5	0.5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT1/2-2-0.5	0.5	10/31/96	Arsenic	2.4	1.5		1.0	mg/kg
CT1/2-2-0.5	0.5	10/31/96	Barium	100000	151		.5	mg/kg
CT1/2-2-0.5	0.5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT1/2-2-0.5	0.5	10/31/96	Cadmium	850	.25		.1	mg/kg
CT1/2-2-0.5	0.5	10/31/96	Chromium	450	47		.5	mg/kg
CT1/2-2-0.5	0.5	10/31/96	Cobalt	97000	10		.5	mg/kg
CT1/2-2-0.5	0.5	10/31/96	Copper	63000	26		.5	mg/kg
CT1/2-2-0.5	0.5	10/31/96	Lead	1000	6.1		1.0	mg/kg
CT1/2-2-0.5	0.5	10/31/96	Mercury	68	ND		.02	mg/kg
CT1/2-2-0.5	0.5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT1/2-2-0.5	0.5	10/31/96	Nickel	11000	19		.5	mg/kg
CT1/2-2-0.5	0.5	10/31/96	pH	NA	8.14	J	-	pH Units
CT1/2-2-0.5	0.5	10/31/96	Selenium	8500	ND		1.0	mg/kg
CT1/2-2-0.5	0.5	10/31/96	Silver	8500	ND		.5	mg/kg
CT1/2-2-0.5	0.5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT1/2-2-0.5	0.5	10/31/96	Vanadium	12000	55		.5	mg/kg
CT1/2-2-0.5	0.5	10/31/96	Zinc	100000	91		.5	mg/kg
CT1/2-2-5	5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT1/2-2-5	5	10/31/96	Arsenic	2.4	ND		1.0	mg/kg
CT1/2-2-5	5	10/31/96	Barium	100000	103		.5	mg/kg
CT1/2-2-5	5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT1/2-2-5	5	10/31/96	Cadmium	850	ND		.1	mg/kg
CT1/2-2-5	5	10/31/96	Chromium	450	15		.5	mg/kg
CT1/2-2-5	5	10/31/96	Cobalt	97000	5.6		.5	mg/kg
CT1/2-2-5	5	10/31/96	Copper	63000	12		.5	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CT1/2-2-5	5	10/31/96	Lead	1000	2.1		1.0	mg/kg
CT1/2-2-5	5	10/31/96	Mercury	68	ND		.02	mg/kg
CT1/2-2-5	5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT1/2-2-5	5	10/31/96	Nickel	11000	8.9		.5	mg/kg
CT1/2-2-5	5	10/31/96	pH	NA	8.27	J	-	pH Units
CT1/2-2-5	5	10/31/96	Selenium	8500	ND		1.0	mg/kg
CT1/2-2-5	5	10/31/96	Silver	8500	ND		.5	mg/kg
CT1/2-2-5	5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT1/2-2-5	5	10/31/96	Vanadium	12000	36		.5	mg/kg
CT1/2-2-5	5	10/31/96	Zinc	100000	41		.5	mg/kg
CT1/2-2-5	5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Arsenic	2.4	ND		1.0	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Barium	100000	37		.5	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Cadmium	850	ND		.1	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Chromium	450	7.8		.5	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Cobalt	97000	2.3		.5	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Copper	63000	5.1		.5	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Lead	1000	1.5		1.0	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Mercury	68	ND		.02	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Nickel	11000	4.1		.5	mg/kg
CT1/2-3-0.5	0.5	10/31/96	pH	NA	7.73	J	-	pH Units
CT1/2-3-0.5	0.5	10/31/96	Selenium	8500	ND		1.0	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Silver	8500	ND		.5	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Vanadium	12000	16		.5	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Zinc	100000	18		.5	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT1/2-3-0.5	0.5	10/31/96	Arsenic	2.4	ND		1.0	mg/kg
CT1/2-3-5	5	10/31/96						
CT1/2-3-5	5	10/31/96						

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CT1/2-3-5	5	10/31/96	Barium	100000	38		.5	mg/kg
CT1/2-3-5	5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT1/2-3-5	5	10/31/96	Cadmium	850	ND		.1	mg/kg
CT1/2-3-5	5	10/31/96	Chromium	450	7.6		.5	mg/kg
CT1/2-3-5	5	10/31/96	Cobalt	97000	2.3		.5	mg/kg
CT1/2-3-5	5	10/31/96	Copper	63000	5.1		.5	mg/kg
CT1/2-3-5	5	10/31/96	Lead	1000	1.4		1.0	mg/kg
CT1/2-3-5	5	10/31/96	Mercury	68	ND		.02	mg/kg
CT1/2-3-5	5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT1/2-3-5	5	10/31/96	Nickel	11000	4.4		.5	mg/kg
CT1/2-3-5	5	10/31/96	pH	NA	8.31	J	-	pH Units
CT1/2-3-5	5	10/31/96	Selenium	8500	ND		1.0	mg/kg
CT1/2-3-5	5	10/31/96	Silver	8500	ND		.5	mg/kg
CT1/2-3-5	5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT1/2-3-5	5	10/31/96	Vanadium	12000	14		.5	mg/kg
CT1/2-3-5	5	10/31/96	Zinc	100000	17		.5	mg/kg
CT3-1-0.5	0.5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT3-1-0.5	0.5	10/31/96	Arsenic	2.4	14		1.0	mg/kg
CT3-1-0.5	0.5	10/31/96	Barium	100000	99		.5	mg/kg
CT3-1-0.5	0.5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT3-1-0.5	0.5	10/31/96	Cadmium	850	ND		.1	mg/kg
CT3-1-0.5	0.5	10/31/96	Chromium	450	59		.5	mg/kg
CT3-1-0.5	0.5	10/31/96	Cobalt	97000	5.7		.5	mg/kg
CT3-1-0.5	0.5	10/31/96	Copper	63000	37		.5	mg/kg
CT3-1-0.5	0.5	10/31/96	Lead	1000	4.7		1.0	mg/kg
CT3-1-0.5	0.5	10/31/96	Mercury	68	ND		.02	mg/kg
CT3-1-0.5	0.5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT3-1-0.5	0.5	10/31/96	Nickel	11000	13		.5	mg/kg
CT3-1-0.5	0.5	10/31/96	pH	NA	7.70		-	pH Units
CT3-1-0.5	0.5	10/31/96	Selenium	8500	ND		1.0	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CT3-1-0.5	0.5	10/31/96	Silver	8500	ND		.5	mg/kg
CT3-1-0.5	0.5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT3-1-0.5	0.5	10/31/96	Vanadium	12000	44		.5	mg/kg
CT3-1-0.5	0.5	10/31/96	Zinc	100000	44		.5	mg/kg
CT3-1-5	5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT3-1-5	5	10/31/96	Arsenic	2.4	1.2		1.0	mg/kg
CT3-1-5	5	10/31/96	Barium	100000	90		.5	mg/kg
CT3-1-5	5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT3-1-5	5	10/31/96	Cadmium	850	ND		.1	mg/kg
CT3-1-5	5	10/31/96	Chromium	450	13		.5	mg/kg
CT3-1-5	5	10/31/96	Cobalt	97000	5.4		.5	mg/kg
CT3-1-5	5	10/31/96	Copper	63000	11		.5	mg/kg
CT3-1-5	5	10/31/96	Lead	1000	3.1		1.0	mg/kg
CT3-1-5	5	10/31/96	Mercury	68	ND		.02	mg/kg
CT3-1-5	5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT3-1-5	5	10/31/96	Nickel	11000	8.2		.5	mg/kg
CT3-1-5	5	10/31/96	pH	NA	8.11		-	pH Units
CT3-1-5	5	10/31/96	Selenium	8500	ND		1.0	mg/kg
CT3-1-5	5	10/31/96	Silver	8500	ND		.5	mg/kg
CT3-1-5	5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT3-1-5	5	10/31/96	Vanadium	12000	38		.5	mg/kg
CT3-1-5	5	10/31/96	Zinc	100000	37		.5	mg/kg
CT3-1-5	5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT3-2-0.5	0.5	10/31/96	Arsenic	2.4	17		1.0	mg/kg
CT3-2-0.5	0.5	10/31/96	Barium	100000	100		.5	mg/kg
CT3-2-0.5	0.5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT3-2-0.5	0.5	10/31/96	Cadmium	850	.14		.1	mg/kg
CT3-2-0.5	0.5	10/31/96	Chromium	450	18		.5	mg/kg
CT3-2-0.5	0.5	10/31/96	Cobalt	97000	5.8		.5	mg/kg
CT3-2-0.5	0.5	10/31/96	Copper	63000	14		.5	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CT3-2-0.5	0.5	10/31/96	Lead	1000	3.2		1.0	mg/kg
CT3-2-0.5	0.5	10/31/96	Mercury	68	ND		.02	mg/kg
CT3-2-0.5	0.5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT3-2-0.5	0.5	10/31/96	Nickel	11000	8.9		.5	mg/kg
CT3-2-0.5	0.5	10/31/96	pH	NA	7.49		-	pH Units
CT3-2-0.5	0.5	10/31/96	Selenium	8500	ND		1.0	mg/kg
CT3-2-0.5	0.5	10/31/96	Silver	8500	ND		.5	mg/kg
CT3-2-0.5	0.5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT3-2-0.5	0.5	10/31/96	Vanadium	12000	59		.5	mg/kg
CT3-2-5	5	10/31/96	Zinc	100000	41		.5	mg/kg
CT3-2-5	5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT3-2-5	5	10/31/96	Arsenic	2.4	1.0		1.0	mg/kg
CT3-2-5	5	10/31/96	Barium	100000	119		.5	mg/kg
CT3-2-5	5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT3-2-5	5	10/31/96	Cadmium	850	ND		.1	mg/kg
CT3-2-5	5	10/31/96	Chromium	450	11		.5	mg/kg
CT3-2-5	5	10/31/96	Cobalt	97000	6.4		.5	mg/kg
CT3-2-5	5	10/31/96	Copper	63000	12		.5	mg/kg
CT3-2-5	5	10/31/96	Lead	1000	3.4		1.0	mg/kg
CT3-2-5	5	10/31/96	Mercury	68	ND		.02	mg/kg
CT3-2-5	5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT3-2-5	5	10/31/96	Nickel	11000	22		.5	mg/kg
CT3-2-5	5	10/31/96	pH	NA	7.93		-	pH Units
CT3-2-5	5	10/31/96	Selenium	8500	ND		1.0	mg/kg
CT3-2-5	5	10/31/96	Silver	8500	ND		.5	mg/kg
CT3-2-5	5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT3-2-5	5	10/31/96	Vanadium	12000	53		.5	mg/kg
CT3-2-5	5	10/31/96	Zinc	100000	36		.5	mg/kg
CT3-3-0.5	0.5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT3-3-0.5	0.5	10/31/96	Arsenic	2.4	ND		1.0	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CT3-3-0.5	0.5	10/31/96	Barium	100000	124		.5	mg/kg
CT3-3-0.5	0.5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT3-3-0.5	0.5	10/31/96	Cadmium	850	.12		.1	mg/kg
CT3-3-0.5	0.5	10/31/96	Chromium	450	13		.5	mg/kg
CT3-3-0.5	0.5	10/31/96	Cobalt	97000	6.0		.5	mg/kg
CT3-3-0.5	0.5	10/31/96	Copper	63000	13		.5	mg/kg
CT3-3-0.5	0.5	10/31/96	Lead	1000	5.4		1.0	mg/kg
CT3-3-0.5	0.5	10/31/96	Mercury	68	ND		.02	mg/kg
CT3-3-0.5	0.5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT3-3-0.5	0.5	10/31/96	Nickel	11000	12		.5	mg/kg
CT3-3-0.5	0.5	10/31/96	pH	NA	7.79		-	pH Units
CT3-3-0.5	0.5	10/31/96	Selenium	8500	ND		1.0	mg/kg
CT3-3-0.5	0.5	10/31/96	Silver	8500	ND		.5	mg/kg
CT3-3-0.5	0.5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT3-3-0.5	0.5	10/31/96	Vanadium	12000	49		.5	mg/kg
CT3-3-0.5	0.5	10/31/96	Zinc	100000	43		.5	mg/kg
CT3-3-0.5	0.5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT3-3-5	5	10/31/96	Arsenic	2.4	ND		1.0	mg/kg
CT3-3-5	5	10/31/96	Barium	100000	113		.5	mg/kg
CT3-3-5	5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT3-3-5	5	10/31/96	Cadmium	850	ND		.1	mg/kg
CT3-3-5	5	10/31/96	Chromium	450	11		.5	mg/kg
CT3-3-5	5	10/31/96	Cobalt	97000	5.8		.5	mg/kg
CT3-3-5	5	10/31/96	Copper	63000	11		.5	mg/kg
CT3-3-5	5	10/31/96	Lead	1000	3.4		1.0	mg/kg
CT3-3-5	5	10/31/96	Mercury	68	ND		.02	mg/kg
CT3-3-5	5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT3-3-5	5	10/31/96	Nickel	11000	8.4		.5	mg/kg
CT3-3-5	5	10/31/96	pH	NA	7.94		-	pH Units
CT3-3-5	5	10/31/96	Selenium	8500	ND		1.0	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CT3-3-5	5	10/31/96	Silver	8500	ND		.5	mg/kg
CT3-3-5	5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT3-3-5	5	10/31/96	Vanadium	12000	38		.5	mg/kg
CT3-3-5	5	10/31/96	Zinc	100000	37		.5	mg/kg
CT4-1-0.5	0.5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT4-1-0.5	0.5	10/31/96	Arsenic	2.4	2.3		1.0	mg/kg
CT4-1-0.5	0.5	10/31/96	Barium	100000	90		.5	mg/kg
CT4-1-0.5	0.5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT4-1-0.5	0.5	10/31/96	Cadmium	850	.31		.1	mg/kg
CT4-1-0.5	0.5	10/31/96	Chromium	450	16		.5	mg/kg
CT4-1-0.5	0.5	10/31/96	Cobalt	97000	5.6		.5	mg/kg
CT4-1-0.5	0.5	10/31/96	Copper	63000	18		.5	mg/kg
CT4-1-0.5	0.5	10/31/96	Lead	1000	6.4		1.0	mg/kg
CT4-1-0.5	0.5	10/31/96	Mercury	68	ND		.02	mg/kg
CT4-1-0.5	0.5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT4-1-0.5	0.5	10/31/96	Nickel	11000	11		.5	mg/kg
CT4-1-0.5	0.5	10/31/96	pH	NA	7.96	J	-	pH Units
CT4-1-0.5	0.5	10/31/96	Selenium	8500	ND		1.0	mg/kg
CT4-1-0.5	0.5	10/31/96	Silver	8500	ND		.5	mg/kg
CT4-1-0.5	0.5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT4-1-0.5	0.5	10/31/96	Vanadium	12000	37		.5	mg/kg
CT4-1-0.5	0.5	10/31/96	Zinc	100000	81		.5	mg/kg
CT4-1-5	5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT4-1-5	5	10/31/96	Arsenic	2.4	1.1		1.0	mg/kg
CT4-1-5	5	10/31/96	Barium	100000	86		.5	mg/kg
CT4-1-5	5	10/31/96	Beryllium	1.1	.17		.1	mg/kg
CT4-1-5	5	10/31/96	Cadmium	850	ND		.1	mg/kg
CT4-1-5	5	10/31/96	Chromium	450	12		.5	mg/kg
CT4-1-5	5	10/31/96	Cobalt	97000	5.0		.5	mg/kg
CT4-1-5	5	10/31/96	Copper	63000	9.0		.5	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CT4-1-5	5	10/31/96	Lead	1000	3.0		1.0	mg/kg
CT4-1-5	5	10/31/96	Mercury	68	ND		.02	mg/kg
CT4-1-5	5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT4-1-5	5	10/31/96	Nickel	11000	7.6		.5	mg/kg
CT4-1-5	5	10/31/96	pH	NA	8.45	J	-	pH Units
CT4-1-5	5	10/31/96	Selenium	8500	ND		1.0	mg/kg
CT4-1-5	5	10/31/96	Silver	8500	ND		.5	mg/kg
CT4-1-5	5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT4-1-5	5	10/31/96	Vanadium	12000	38		.5	mg/kg
CT4-1-5	5	10/31/96	Zinc	100000	31		.5	mg/kg
CT4-1-5	5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT4-2-0.5	0.5	10/31/96	Arsenic	2.4	6.3		1.0	mg/kg
CT4-2-0.5	0.5	10/31/96	Barium	100000	118		.5	mg/kg
CT4-2-0.5	0.5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT4-2-0.5	0.5	10/31/96	Cadmium	850	.79		.1	mg/kg
CT4-2-0.5	0.5	10/31/96	Chromium	450	20		.5	mg/kg
CT4-2-0.5	0.5	10/31/96	Cobalt	97000	7.5		.5	mg/kg
CT4-2-0.5	0.5	10/31/96	Copper	63000	46		.5	mg/kg
CT4-2-0.5	0.5	10/31/96	Lead	1000	7.6		1.0	mg/kg
CT4-2-0.5	0.5	10/31/96	Mercury	68	ND		.02	mg/kg
CT4-2-0.5	0.5	10/31/96	Molybdenum	8500	.72		.5	mg/kg
CT4-2-0.5	0.5	10/31/96	Nickel	11000	18		.5	mg/kg
CT4-2-0.5	0.5	10/31/96	pH	NA	7.65		-	pH Units
CT4-2-0.5	0.5	10/31/96	Selenium	8500	ND		1.0	mg/kg
CT4-2-0.5	0.5	10/31/96	Silver	8500	ND		.5	mg/kg
CT4-2-0.5	0.5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT4-2-0.5	0.5	10/31/96	Vanadium	12000	46		.5	mg/kg
CT4-2-0.5	0.5	10/31/96	Zinc	100000	74		.5	mg/kg
CT4-2-0.5	0.5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT4-2-5	5	10/31/96	Arsenic	2.4	ND		1.0	mg/kg
CT4-2-5	5	10/31/96						

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CT4-2-5	5	10/31/96	Barium	100000	97		.5	mg/kg
CT4-2-5	5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT4-2-5	5	10/31/96	Cadmium	850	.12		.1	mg/kg
CT4-2-5	5	10/31/96	Chromium	450	14		.5	mg/kg
CT4-2-5	5	10/31/96	Cobalt	97000	5.5		.5	mg/kg
CT4-2-5	5	10/31/96	Copper	63000	13		.5	mg/kg
CT4-2-5	5	10/31/96	Lead	1000	3.2		1.0	mg/kg
CT4-2-5	5	10/31/96	Mercury	68	ND		.02	mg/kg
CT4-2-5	5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT4-2-5	5	10/31/96	Nickel	11000	9.0		.5	mg/kg
CT4-2-5	5	10/31/96	pH	NA	8.02		-	pH Units
CT4-2-5	5	10/31/96	Selenium	8500	ND		1.0	mg/kg
CT4-2-5	5	10/31/96	Silver	8500	ND		.5	mg/kg
CT4-2-5	5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT4-2-5	5	10/31/96	Vanadium	12000	33		.5	mg/kg
CT4-3-0.5	0.5	10/31/96	Zinc	100000	47		.5	mg/kg
CT4-3-0.5	0.5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT4-3-0.5	0.5	10/31/96	Arsenic	2.4	1.9		1.0	mg/kg
CT4-3-0.5	0.5	10/31/96	Barium	100000	114		.5	mg/kg
CT4-3-0.5	0.5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT4-3-0.5	0.5	10/31/96	Cadmium	850	ND		.1	mg/kg
CT4-3-0.5	0.5	10/31/96	Chromium	450	16		.5	mg/kg
CT4-3-0.5	0.5	10/31/96	Cobalt	97000	5.0		.5	mg/kg
CT4-3-0.5	0.5	10/31/96	Copper	63000	80		.5	mg/kg
CT4-3-0.5	0.5	10/31/96	Lead	1000	3.1		1.0	mg/kg
CT4-3-0.5	0.5	10/31/96	Mercury	68	ND		.02	mg/kg
CT4-3-0.5	0.5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT4-3-0.5	0.5	10/31/96	Nickel	11000	11		.5	mg/kg
CT4-3-0.5	0.5	10/31/96	pH	NA	7.50		-	pH Units
CT4-3-0.5	0.5	10/31/96	Selenium	8500	ND		1.0	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CT4-3-0.5	0.5	10/31/96	Silver	8500	ND		.5	mg/kg
CT4-3-0.5	0.5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT4-3-0.5	0.5	10/31/96	Vanadium	12000	37		.5	mg/kg
CT4-3-0.5	0.5	10/31/96	Zinc	100000	60		.5	mg/kg
CT4-3-5	5	10/31/96	Antimony	680	ND		5.0	mg/kg
CT4-3-5	5	10/31/96	Arsenic	2.4	2.3		1.0	mg/kg
CT4-3-5	5	10/31/96	Barium	100000	87		.5	mg/kg
CT4-3-5	5	10/31/96	Beryllium	1.1	ND		.1	mg/kg
CT4-3-5	5	10/31/96	Cadmium	850	ND		.1	mg/kg
CT4-3-5	5	10/31/96	Chromium	450	15		.5	mg/kg
CT4-3-5	5	10/31/96	Cobalt	97000	4.3		.5	mg/kg
CT4-3-5	5	10/31/96	Copper	63000	26		.5	mg/kg
CT4-3-5	5	10/31/96	Lead	1000	4.8		1.0	mg/kg
CT4-3-5	5	10/31/96	Mercury	68	ND		.02	mg/kg
CT4-3-5	5	10/31/96	Molybdenum	8500	ND		.5	mg/kg
CT4-3-5	5	10/31/96	Nickel	11000	9.3		.5	mg/kg
CT4-3-5	5	10/31/96	pH	NA	7.45		-	pH Units
CT4-3-5	5	10/31/96	Selenium	8500	ND		1.0	mg/kg
CT4-3-5	5	10/31/96	Silver	8500	ND		.5	mg/kg
CT4-3-5	5	10/31/96	Thallium	120	ND		5.0	mg/kg
CT4-3-5	5	10/31/96	Vanadium	12000	35		.5	mg/kg
CT4-3-5	5	10/31/96	Zinc	100000	58		.5	mg/kg
HAZAROUS WASTE STORAGE AREA								
HW-1-0.5	0.5	10/30/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
HW-1-0.5	0.5	10/30/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
HW-1-0.5	0.5	10/30/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	2-Chlorotoluene	NA	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	Antimony	680	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	Arsenic	2.4	ND		5.0	mg/kg
HW-1-0.5	0.5	10/30/96	Barium	100000	100		1.0	mg/kg
HW-1-0.5	0.5	10/30/96	Benzene	0.077	ND		.5	mg/kg
HW-1-0.5	0.5	10/30/96	Beryllium	1.1	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	Bromobenzene	NA	ND		.13	mg/kg
HW-1-0.5	0.5	10/30/96	Bromochloromethane	NA	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	Bromodichloromethane	1.4	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	Bromoform	240	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	Bromomethane	23	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	Cadmium	850	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	Carbon Tetrachloride	0.5	ND		.12	mg/kg
HW-1-0.5	0.5	10/30/96	Chlorobenzene	220	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	Chloroethane	1600	ND		0.0020	mg/kg
							0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
HW-1-0.5	0.5	10/30/96	Chloroform	0.53	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	Chloromethane	2.6	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	Chromium	450	17		.5	mg/kg
HW-1-0.5	0.5	10/30/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
HW-1-0.5	0.5	10/30/96	Cobalt	97000	6.5		.5	mg/kg
HW-1-0.5	0.5	10/30/96	Copper	63000	34		.5	mg/kg
HW-1-0.5	0.5	10/30/96	Dibromochloromethane	23	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	Dibromomethane	6800	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	Ethyl Benzene	17	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	Isopropylbenzene	62	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	Lead	1000	12		1.0	mg/kg
HW-1-0.5	0.5	10/30/96	Mercury	68	ND		.02	mg/kg
HW-1-0.5	0.5	10/30/96	Methylene Chloride	18	ND		0.010	mg/kg
HW-1-0.5	0.5	10/30/96	Molybdenum	8500	ND		.5	mg/kg
HW-1-0.5	0.5	10/30/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	Naphthalene	240	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	Nickel	11000	12		.5	mg/kg
HW-1-0.5	0.5	10/30/96	o-Xylene	48	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	Selenium	8500	ND	UJ	1.0	mg/kg
HW-1-0.5	0.5	10/30/96	Silver	8500	ND		.5	mg/kg
HW-1-0.5	0.5	10/30/96	Styrene	680	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	Tetrachloroethene	17	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
HW-1-0.5	0.5	10/30/96	Thallium	120	ND		5.0	mg/kg
HW-1-0.5	0.5	10/30/96	Toluene	4	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
HW-1-0.5	0.5	10/30/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
HW-1-0.5	0.5	10/30/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
HW-1-0.5	0.5	10/30/96	TPH (Gasoline)	1000	ND		20.	mg/kg
HW-1-0.5	0.5	10/30/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
HW-1-0.5	0.5	10/30/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
HW-1-0.5	0.5	10/30/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
HW-1-0.5	0.5	10/30/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
HW-1-0.5	0.5	10/30/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
HW-1-0.5	0.5	10/30/96	TPH (Kerosene)	1000	ND		10.	mg/kg
HW-1-0.5	0.5	10/30/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
HW-1-0.5	0.5	10/30/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
HW-1-0.5	0.5	10/30/96	TPH (WD 40)	10000	ND		10.	mg/kg
HW-1-0.5	0.5	10/30/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
HW-1-0.5	0.5	10/30/96	Trichloroethene	7	ND		0.0020	mg/kg
HW-1-0.5	0.5	10/30/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	Vanadium	12000	40		.5	mg/kg
HW-1-0.5	0.5	10/30/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
HW-1-0.5	0.5	10/30/96	Zinc	100000	55		.5	mg/kg
HW-1-3	3	10/30/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
HW-1-3	3	10/30/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
HW-1-3	3	10/30/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	Antimony	680	ND		5.0	mg/kg
HW-1-3	3	10/30/96	Arsenic	2.4	1.1		1.0	mg/kg
HW-1-3	3	10/30/96	Barium	100000	70		.5	mg/kg
HW-1-3	3	10/30/96	Benzene	0.077	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	Beryllium	1.1	.19		.13	mg/kg
HW-1-3	3	10/30/96	Bromobenzene	NA	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	Bromochloromethane	NA	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	Bromoform	240	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	Bromomethane	23	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	Cadmium	850	ND		.12	mg/kg
HW-1-3	3	10/30/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	Chlorobenzene	220	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	Chloroethane	1600	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	Chloroform	0.53	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
HW-1-3	3	10/30/96	Chloromethane	2.6	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	Chromium	450	12		.5	mg/kg
HW-1-3	3	10/30/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
HW-1-3	3	10/30/96	Cobalt	97000	4.6		.5	mg/kg
HW-1-3	3	10/30/96	Copper	63000	23		.5	mg/kg
HW-1-3	3	10/30/96	Dibromochloromethane	23	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	Dibromomethane	6800	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	Ethyl Benzene	17	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	Isopropylbenzene	62	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	Lead	1000	2.8		1.0	mg/kg
HW-1-3	3	10/30/96	Mercury	68	ND		.02	mg/kg
HW-1-3	3	10/30/96	Methylene Chloride	18	ND		0.010	mg/kg
HW-1-3	3	10/30/96	Molybdenum	8500	ND		.5	mg/kg
HW-1-3	3	10/30/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	Naphthalene	240	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	Nickel	11000	7.3		.5	mg/kg
HW-1-3	3	10/30/96	o-Xylene	48	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	Selenium	8500	ND	UJ	1.0	mg/kg
HW-1-3	3	10/30/96	Silver	8500	ND		.5	mg/kg
HW-1-3	3	10/30/96	Styrene	680	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	Tetrachloroethene	17	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	Thallium	120	ND		5.0	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
HW-1-3	3	10/30/96	Toluene	4	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
HW-1-3	3	10/30/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
HW-1-3	3	10/30/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
HW-1-3	3	10/30/96	TPH (Gasoline)	1000	ND		20.	mg/kg
HW-1-3	3	10/30/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
HW-1-3	3	10/30/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
HW-1-3	3	10/30/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
HW-1-3	3	10/30/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
HW-1-3	3	10/30/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
HW-1-3	3	10/30/96	TPH (Kerosene)	1000	ND		10.	mg/kg
HW-1-3	3	10/30/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
HW-1-3	3	10/30/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
HW-1-3	3	10/30/96	TPH (WD 40)	10000	ND		10.	mg/kg
HW-1-3	3	10/30/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
HW-1-3	3	10/30/96	Trichloroethene	7	ND		0.0020	mg/kg
HW-1-3	3	10/30/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	Vanadium	12000	37		.5	mg/kg
HW-1-3	3	10/30/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
HW-1-3	3	10/30/96	Zinc	100000	35		.5	mg/kg
SOLID WASTE DISPOSAL AREA (LANDFILL)								
LF1-10	10	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
LF1-10	10	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
LF1-10	10	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
LF1-10	10	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
LF1-10	10	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
LF1-10	10	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
LF1-10	10	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
LF1-10	10	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF1-10	10	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
LF1-10	10	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
LF1-10	10	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF1-10	10	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
LF1-10	10	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
LF1-10	10	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
LF1-10	10	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
LF1-10	10	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
LF1-10	10	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF1-10	10	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
LF1-10	10	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
LF1-10	10	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
LF1-10	10	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
LF1-10	10	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
LF1-10	10	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
LF1-10	10	10/29/96	Antimony	680	ND		5.0	mg/kg
LF1-10	10	10/29/96	Arsenic	2.4	ND		1.0	mg/kg
LF1-10	10	10/29/96	Barium	100000	72		.5	mg/kg
LF1-10	10	10/29/96	Benzene	0.077	ND		0.0020	mg/kg
LF1-10	10	10/29/96	Beryllium	1.1	.17		.13	mg/kg
LF1-10	10	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg
LF1-10	10	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
LF1-10	10	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
LF1-10	10	10/29/96	Bromoform	240	ND		0.0020	mg/kg
LF1-10	10	10/29/96	Bromomethane	23	ND		0.0050	mg/kg
LF1-10	10	10/29/96	Cadmium	850	.35		.12	mg/kg
LF1-10	10	10/29/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
LF1-10	10	10/29/96	Chlorobenzene	220	ND		0.0020	mg/kg
LF1-10	10	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
LF1-10	10	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF1-10	10	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg
LF1-10	10	10/29/96	Chromium	450	11		.5	mg/kg
LF1-10	10	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
LF1-10	10	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
LF1-10	10	10/29/96	Cobalt	97000	4.2		.5	mg/kg
LF1-10	10	10/29/96	Copper	63000	14		.5	mg/kg
LF1-10	10	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
LF1-10	10	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
LF1-10	10	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
LF1-10	10	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
LF1-10	10	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
LF1-10	10	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
LF1-10	10	10/29/96	Lead	1000	1.8		1.0	mg/kg
LF1-10	10	10/29/96	Mercury	68	ND		.02	mg/kg
LF1-10	10	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
LF1-10	10	10/29/96	Molybdenum	8500	ND		.5	mg/kg
LF1-10	10	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
LF1-10	10	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
LF1-10	10	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
LF1-10	10	10/29/96	Nickel	11000	7.0		.5	mg/kg
LF1-10	10	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
LF1-10	10	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
LF1-10	10	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
LF1-10	10	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
LF1-10	10	10/29/96	Selenium	8500	ND	UJ	1.0	mg/kg
LF1-10	10	10/29/96	Silver	8500	ND		.5	mg/kg
LF1-10	10	10/29/96	Styrene	680	ND		0.0020	mg/kg
LF1-10	10	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
LF1-10	10	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
LF1-10	10	10/29/96	Thallium	120	ND		5.0	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF1-10	10	10/29/96	Toluene	4	ND		0.0020	mg/kg
LF1-10	10	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
LF1-10	10	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
LF1-10	10	10/29/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
LF1-10	10	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
LF1-10	10	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
LF1-10	10	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
LF1-10	10	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
LF1-10	10	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
LF1-10	10	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
LF1-10	10	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
LF1-10	10	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
LF1-10	10	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
LF1-10	10	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
LF1-10	10	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
LF1-10	10	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
LF1-10	10	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg
LF1-10	10	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
LF1-10	10	10/29/96	Vanadium	12000	26		.5	mg/kg
LF1-10	10	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
LF1-10	10	10/29/96	Zinc	100000	30		.5	mg/kg
LF1-15	15	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
LF1-15	15	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
LF1-15	15	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
LF1-15	15	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
LF1-15	15	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
LF1-15	15	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
LF1-15	15	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
LF1-15	15	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
LF1-15	15	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF1-15	15	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
LF1-15	15	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF1-15	15	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
LF1-15	15	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
LF1-15	15	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
LF1-15	15	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
LF1-15	15	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
LF1-15	15	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF1-15	15	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
LF1-15	15	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
LF1-15	15	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
LF1-15	15	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
LF1-15	15	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
LF1-15	15	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
LF1-15	15	10/29/96	Antimony	680	ND		5.0	mg/kg
LF1-15	15	10/29/96	Arsenic	2.4	ND		1.0	mg/kg
LF1-15	15	10/29/96	Barium	100000	112		.5	mg/kg
LF1-15	15	10/29/96	Benzene	0.077	ND		0.0020	mg/kg
LF1-15	15	10/29/96	Beryllium	1.1	.45		.13	mg/kg
LF1-15	15	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg
LF1-15	15	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
LF1-15	15	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
LF1-15	15	10/29/96	Bromoform	240	ND		0.0020	mg/kg
LF1-15	15	10/29/96	Bromomethane	23	ND		0.0050	mg/kg
LF1-15	15	10/29/96	Cadmium	850	ND		.12	mg/kg
LF1-15	15	10/29/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
LF1-15	15	10/29/96	Chlorobenzene	220	ND		0.0020	mg/kg
LF1-15	15	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
LF1-15	15	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg
LF1-15	15	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF1-15	15	10/29/96	Chromium	450	12		.5	mg/kg
LF1-15	15	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
LF1-15	15	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
LF1-15	15	10/29/96	Cobalt	97000	5.4		.5	mg/kg
LF1-15	15	10/29/96	Copper	63000	9.1		.5	mg/kg
LF1-15	15	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
LF1-15	15	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
LF1-15	15	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
LF1-15	15	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
LF1-15	15	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
LF1-15	15	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
LF1-15	15	10/29/96	Lead	1000	2.6		1.0	mg/kg
LF1-15	15	10/29/96	Mercury	68	ND		.02	mg/kg
LF1-15	15	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
LF1-15	15	10/29/96	Molybdenum	8500	ND		.5	mg/kg
LF1-15	15	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
LF1-15	15	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
LF1-15	15	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
LF1-15	15	10/29/96	Nickel	11000	7.0		.5	mg/kg
LF1-15	15	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
LF1-15	15	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
LF1-15	15	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
LF1-15	15	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
LF1-15	15	10/29/96	Selenium	8500	ND	UJ	1.0	mg/kg
LF1-15	15	10/29/96	Silver	8500	ND		.5	mg/kg
LF1-15	15	10/29/96	Styrene	680	ND		0.0020	mg/kg
LF1-15	15	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
LF1-15	15	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
LF1-15	15	10/29/96	Thallium	120	ND		5.0	mg/kg
LF1-15	15	10/29/96	Toluene	4	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF1-15	15	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
LF1-15	15	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
LF1-15	15	10/29/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
LF1-15	15	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
LF1-15	15	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
LF1-15	15	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
LF1-15	15	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
LF1-15	15	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
LF1-15	15	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
LF1-15	15	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
LF1-15	15	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
LF1-15	15	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
LF1-15	15	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
LF1-15	15	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
LF1-15	15	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
LF1-15	15	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg
LF1-15	15	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
LF1-15	15	10/29/96	Vanadium	12000	41		.5	mg/kg
LF1-15	15	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
LF1-15	15	10/29/96	Zinc	100000	31		.5	mg/kg
LF2-10	10	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
LF2-10	10	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
LF2-10	10	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
LF2-10	10	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
LF2-10	10	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
LF2-10	10	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
LF2-10	10	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
LF2-10	10	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
LF2-10	10	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
LF2-10	10	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-10	10	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF2-10	10	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
LF2-10	10	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
LF2-10	10	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
LF2-10	10	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
LF2-10	10	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
LF2-10	10	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF2-10	10	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
LF2-10	10	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
LF2-10	10	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
LF2-10	10	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
LF2-10	10	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
LF2-10	10	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
LF2-10	10	10/29/96	Antimony	680	ND		5.0	mg/kg
LF2-10	10	10/29/96	Arsenic	2.4	ND		1.0	mg/kg
LF2-10	10	10/29/96	Barium	100000	97		.5	mg/kg
LF2-10	10	10/29/96	Benzene	0.077	ND		0.0020	mg/kg
LF2-10	10	10/29/96	Beryllium	1.1	.31		.13	mg/kg
LF2-10	10	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg
LF2-10	10	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
LF2-10	10	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
LF2-10	10	10/29/96	Bromoform	240	ND		0.0020	mg/kg
LF2-10	10	10/29/96	Bromomethane	23	ND		0.0050	mg/kg
LF2-10	10	10/29/96	Cadmium	850	ND		.12	mg/kg
LF2-10	10	10/29/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
LF2-10	10	10/29/96	Chlorobenzene	220	ND		0.0020	mg/kg
LF2-10	10	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
LF2-10	10	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg
LF2-10	10	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg
LF2-10	10	10/29/96	Chromium	450	13		.5	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-10	10	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
LF2-10	10	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
LF2-10	10	10/29/96	Cobalt	97000	5.1		.5	mg/kg
LF2-10	10	10/29/96	Copper	63000	14		.5	mg/kg
LF2-10	10	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
LF2-10	10	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
LF2-10	10	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
LF2-10	10	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
LF2-10	10	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
LF2-10	10	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
LF2-10	10	10/29/96	Lead	1000	2.5		1.0	mg/kg
LF2-10	10	10/29/96	Mercury	68	.023		.02	mg/kg
LF2-10	10	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
LF2-10	10	10/29/96	Molybdenum	8500	ND		.5	mg/kg
LF2-10	10	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-10	10	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
LF2-10	10	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
LF2-10	10	10/29/96	Nickel	11000	8.3		.5	mg/kg
LF2-10	10	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
LF2-10	10	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
LF2-10	10	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
LF2-10	10	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-10	10	10/29/96	Selenium	8500	ND	UJ	1.0	mg/kg
LF2-10	10	10/29/96	Silver	8500	ND		.5	mg/kg
LF2-10	10	10/29/96	Styrene	680	ND		0.0020	mg/kg
LF2-10	10	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-10	10	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
LF2-10	10	10/29/96	Thallium	120	ND		5.0	mg/kg
LF2-10	10	10/29/96	Toluene	4	ND		0.0020	mg/kg
LF2-10	10	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-10	10	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
LF2-10	10	10/29/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
LF2-10	10	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
LF2-10	10	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
LF2-10	10	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
LF2-10	10	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
LF2-10	10	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
LF2-10	10	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
LF2-10	10	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
LF2-10	10	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
LF2-10	10	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
LF2-10	10	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
LF2-10	10	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
LF2-10	10	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
LF2-10	10	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg
LF2-10	10	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
LF2-10	10	10/29/96	Vanadium	12000	33		.5	mg/kg
LF2-10	10	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
LF2-10	10	10/29/96	Zinc	100000	37		.5	mg/kg
LF2-15	15	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
LF2-15	15	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
LF2-15	15	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
LF2-15	15	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
LF2-15	15	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
LF2-15	15	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
LF2-15	15	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
LF2-15	15	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
LF2-15	15	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
LF2-15	15	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
LF2-15	15	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-15	15	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
LF2-15	15	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
LF2-15	15	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
LF2-15	15	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
LF2-15	15	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
LF2-15	15	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF2-15	15	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
LF2-15	15	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
LF2-15	15	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
LF2-15	15	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
LF2-15	15	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
LF2-15	15	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
LF2-15	15	10/29/96	Antimony	680	ND		5.0	mg/kg
LF2-15	15	10/29/96	Arsenic	2.4	ND		1.0	mg/kg
LF2-15	15	10/29/96	Barium	100000	93		.5	mg/kg
LF2-15	15	10/29/96	Benzene	0.077	ND		0.0020	mg/kg
LF2-15	15	10/29/96	Beryllium	1.1	.52		.13	mg/kg
LF2-15	15	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg
LF2-15	15	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
LF2-15	15	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
LF2-15	15	10/29/96	Bromoform	240	ND		0.0020	mg/kg
LF2-15	15	10/29/96	Bromomethane	23	ND		0.0050	mg/kg
LF2-15	15	10/29/96	Cadmium	850	ND		.12	mg/kg
LF2-15	15	10/29/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
LF2-15	15	10/29/96	Chlorobenzene	220	ND		0.0020	mg/kg
LF2-15	15	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
LF2-15	15	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg
LF2-15	15	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg
LF2-15	15	10/29/96	Chromium	450	12		.5	mg/kg
LF2-15	15	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-15	15	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
LF2-15	15	10/29/96	Cobalt	97000	6.1		.5	mg/kg
LF2-15	15	10/29/96	Copper	63000	8.4		.5	mg/kg
LF2-15	15	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
LF2-15	15	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
LF2-15	15	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
LF2-15	15	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
LF2-15	15	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
LF2-15	15	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
LF2-15	15	10/29/96	Lead	1000	3.0		1.0	mg/kg
LF2-15	15	10/29/96	Mercury	68	ND		.02	mg/kg
LF2-15	15	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
LF2-15	15	10/29/96	Molybdenum	8500	ND		.5	mg/kg
LF2-15	15	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-15	15	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
LF2-15	15	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
LF2-15	15	10/29/96	Nickel	11000	7.3		.5	mg/kg
LF2-15	15	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
LF2-15	15	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
LF2-15	15	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
LF2-15	15	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-15	15	10/29/96	Selenium	8500	ND	UJ	1.0	mg/kg
LF2-15	15	10/29/96	Silver	8500	ND		.5	mg/kg
LF2-15	15	10/29/96	Styrene	680	ND		0.0020	mg/kg
LF2-15	15	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-15	15	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
LF2-15	15	10/29/96	Thallium	120	ND		5.0	mg/kg
LF2-15	15	10/29/96	Toluene	4	ND		0.0020	mg/kg
LF2-15	15	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
LF2-15	15	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF3-10	10	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
LF3-10	10	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
LF3-10	10	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
LF3-10	10	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
LF3-10	10	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF3-10	10	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
LF3-10	10	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
LF3-10	10	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
LF3-10	10	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
LF3-10	10	10/29/96	2-Chlorotoluene	NA	ND		0.0020	mg/kg
LF3-10	10	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
LF3-10	10	10/29/96	Antimony	680	ND		0.0050	mg/kg
LF3-10	10	10/29/96	Arsenic	2.4	ND		5.0	mg/kg
LF3-10	10	10/29/96	Barium	100000	66		1.0	mg/kg
LF3-10	10	10/29/96	Benzene	0.077	ND		.5	mg/kg
LF3-10	10	10/29/96	Beryllium	1.1	.34		0.0020	mg/kg
LF3-10	10	10/29/96	Bromobenzene	NA	ND		.13	mg/kg
LF3-10	10	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
LF3-10	10	10/29/96	Bromodichloromethane	1.4	ND		0.0050	mg/kg
LF3-10	10	10/29/96	Bromoform	240	ND		0.0020	mg/kg
LF3-10	10	10/29/96	Bromomethane	23	ND		0.0020	mg/kg
LF3-10	10	10/29/96	Cadmium	850	.16		0.0050	mg/kg
LF3-10	10	10/29/96	Carbon Tetrachloride	0.5	ND		.12	mg/kg
LF3-10	10	10/29/96	Chlorobenzene	220	ND		0.0050	mg/kg
LF3-10	10	10/29/96	Chloroethane	1600	ND		0.0020	mg/kg
LF3-10	10	10/29/96	Chloroform	0.53	ND		0.0050	mg/kg
LF3-10	10	10/29/96	Chloromethane	2.6	ND		0.0020	mg/kg
LF3-10	10	10/29/96	Chromium	450	9.5		0.0050	mg/kg
LF3-10	10	10/29/96	cis-1,2-Dichloroethene	100	ND		.5	mg/kg
LF3-10	10	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.0020	mg/kg
							0.005	mg/kg

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF3-10	10	10/29/96	Cobalt	97000	3.6		.5	mg/kg
LF3-10	10	10/29/96	Copper	63000	8.8		.5	mg/kg
LF3-10	10	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
LF3-10	10	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
LF3-10	10	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
LF3-10	10	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
LF3-10	10	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
LF3-10	10	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
LF3-10	10	10/29/96	Lead	1000	1.7		1.0	mg/kg
LF3-10	10	10/29/96	Mercury	68	ND		.02	mg/kg
LF3-10	10	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
LF3-10	10	10/29/96	Molybdenum	8500	ND		.5	mg/kg
LF3-10	10	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
LF3-10	10	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
LF3-10	10	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
LF3-10	10	10/29/96	Nickel	11000	6.1		.5	mg/kg
LF3-10	10	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
LF3-10	10	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
LF3-10	10	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
LF3-10	10	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
LF3-10	10	10/29/96	Selenium	8500	ND	UJ	1.0	mg/kg
LF3-10	10	10/29/96	Silver	8500	ND		.5	mg/kg
LF3-10	10	10/29/96	Styrene	680	ND		0.0020	mg/kg
LF3-10	10	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
LF3-10	10	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
LF3-10	10	10/29/96	Thallium	120	ND		5.0	mg/kg
LF3-10	10	10/29/96	Toluene	4	ND		0.0020	mg/kg
LF3-10	10	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
LF3-10	10	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
LF3-10	10	10/29/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF3-10	10	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
LF3-10	10	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
LF3-10	10	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
LF3-10	10	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
LF3-10	10	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
LF3-10	10	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
LF3-10	10	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
LF3-10	10	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
LF3-10	10	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
LF3-10	10	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
LF3-10	10	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
LF3-10	10	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
LF3-10	10	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg
LF3-10	10	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
LF3-10	10	10/29/96	Vanadium	12000	22		.5	mg/kg
LF3-10	10	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
LF3-5	5	10/29/96	Zinc	100000	26		.5	mg/kg
LF3-5	5	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
LF3-5	5	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
LF3-5	5	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
LF3-5	5	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
LF3-5	5	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
LF3-5	5	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
LF3-5	5	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
LF3-5	5	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
LF3-5	5	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
LF3-5	5	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
LF3-5	5	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF3-5	5	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
LF3-5	5	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF3-5	5	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
LF3-5	5	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
LF3-5	5	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
LF3-5	5	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF3-5	5	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
LF3-5	5	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
LF3-5	5	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
LF3-5	5	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
LF3-5	5	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
LF3-5	5	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
LF3-5	5	10/29/96	Antimony	680	ND		5.0	mg/kg
LF3-5	5	10/29/96	Arsenic	2.4	ND		1.0	mg/kg
LF3-5	5	10/29/96	Barium	100000	106		.5	mg/kg
LF3-5	5	10/29/96	Benzene	0.077	ND		0.0020	mg/kg
LF3-5	5	10/29/96	Beryllium	1.1	.34		.13	mg/kg
LF3-5	5	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg
LF3-5	5	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
LF3-5	5	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
LF3-5	5	10/29/96	Bromoform	240	ND		0.0020	mg/kg
LF3-5	5	10/29/96	Bromomethane	23	ND		0.0050	mg/kg
LF3-5	5	10/29/96	Cadmium	850	.20		.12	mg/kg
LF3-5	5	10/29/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
LF3-5	5	10/29/96	Chlorobenzene	220	ND		0.0020	mg/kg
LF3-5	5	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
LF3-5	5	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg
LF3-5	5	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg
LF3-5	5	10/29/96	Chromium	450	16		.5	mg/kg
LF3-5	5	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
LF3-5	5	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
LF3-5	5	10/29/96	Cobalt	97000	5.4		.5	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF3-5	5	10/29/96	Copper	63000	14		.5	mg/kg
LF3-5	5	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
LF3-5	5	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
LF3-5	5	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
LF3-5	5	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
LF3-5	5	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
LF3-5	5	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
LF3-5	5	10/29/96	Lead	1000	2.2		1.0	mg/kg
LF3-5	5	10/29/96	Mercury	68	ND		.02	mg/kg
LF3-5	5	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
LF3-5	5	10/29/96	Molybdenum	8500	ND		.5	mg/kg
LF3-5	5	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
LF3-5	5	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
LF3-5	5	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
LF3-5	5	10/29/96	Nickel	11000	9.9		.5	mg/kg
LF3-5	5	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
LF3-5	5	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
LF3-5	5	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
LF3-5	5	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
LF3-5	5	10/29/96	Selenium	8500	ND	UJ	1.0	mg/kg
LF3-5	5	10/29/96	Silver	8500	ND		.5	mg/kg
LF3-5	5	10/29/96	Styrene	680	ND		0.0020	mg/kg
LF3-5	5	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
LF3-5	5	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
LF3-5	5	10/29/96	Thallium	120	ND		5.0	mg/kg
LF3-5	5	10/29/96	Toluene	4	ND		0.0020	mg/kg
LF3-5	5	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
LF3-5	5	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
LF3-5	5	10/29/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
LF3-5	5	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF3-5	5	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
LF3-5	5	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
LF3-5	5	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
LF3-5	5	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
LF3-5	5	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
LF3-5	5	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
LF3-5	5	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
LF3-5	5	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
LF3-5	5	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
LF3-5	5	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
LF3-5	5	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
LF3-5	5	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg
LF3-5	5	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
LF3-5	5	10/29/96	Vanadium	12000	32		.5	mg/kg
LF3-5	5	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
LF3-5	5	10/29/96	Zinc	100000	36		.5	mg/kg
SCRAP METAL YARD								
SMY-1-0.5	0.5	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SMY-1-0.5	0.5	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SMY-1-0.5	0.5	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	2-Chlorotoluene	NA	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	Antimony	680	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	Arsenic	2.4	1.6		5.0	mg/kg
SMY-1-0.5	0.5	10/29/96	Barium	100000	93		1.0	mg/kg
SMY-1-0.5	0.5	10/29/96	Benzene	0.077	ND		.5	mg/kg
SMY-1-0.5	0.5	10/29/96	Beryllium	1.1	.36		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	Bromobenzene	NA	ND		.13	mg/kg
SMY-1-0.5	0.5	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	Bromodichloromethane	1.4	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	Bromoform	240	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	Bromomethane	23	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	Cadmium	850	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	Carbon Tetrachloride	0.5	ND		.12	mg/kg
SMY-1-0.5	0.5	10/29/96	Chlorobenzene	220	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	Chloroethane	1600	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	Chloroform	0.53	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	Chloromethane	2.6	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	Chromium	450	16		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	cis-1,2-Dichloroethene	100	ND		.5	mg/kg
SMY-1-0.5	0.5	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	Cobalt	97000	6.3		0.005	mg/kg
							.5	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SMY-1-0.5	0.5	10/29/96	Copper	63000	25		.5	mg/kg
SMY-1-0.5	0.5	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	Lead	1000	11		1.0	mg/kg
SMY-1-0.5	0.5	10/29/96	Mercury	68	ND		.02	mg/kg
SMY-1-0.5	0.5	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
SMY-1-0.5	0.5	10/29/96	Molybdenum	8500	ND		.5	mg/kg
SMY-1-0.5	0.5	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	Nickel	11000	50		.5	mg/kg
SMY-1-0.5	0.5	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	p-& m-Xylenes	48	.0070		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	PCB-1016	50	ND		0.050	mg/kg
SMY-1-0.5	0.5	10/29/96	PCB-1221	50	ND		0.050	mg/kg
SMY-1-0.5	0.5	10/29/96	PCB-1232	50	ND		0.050	mg/kg
SMY-1-0.5	0.5	10/29/96	PCB-1242	50	ND		0.050	mg/kg
SMY-1-0.5	0.5	10/29/96	PCB-1248	50	ND		0.050	mg/kg
SMY-1-0.5	0.5	10/29/96	PCB-1254	50	ND		0.050	mg/kg
SMY-1-0.5	0.5	10/29/96	PCB-1260	50	ND		0.050	mg/kg
SMY-1-0.5	0.5	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	Selenium	8500	ND	UJ	1.0	mg/kg
SMY-1-0.5	0.5	10/29/96	Silver	8500	ND		.5	mg/kg
SMY-1-0.5	0.5	10/29/96	Styrene	680	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SMY-1-0.5	0.5	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	Thallium	120	ND		5.0	mg/kg
SMY-1-0.5	0.5	10/29/96	Toluene	4	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	Total PCBs (Summation)	50	ND		0.050	mg/kg
SMY-1-0.5	0.5	10/29/96	TPH (Aviation Gas)	1000	ND		400	mg/kg
SMY-1-0.5	0.5	10/29/96	TPH (Crude/Waste Oil)	10000	ND		400	mg/kg
SMY-1-0.5	0.5	10/29/96	TPH (Diesel-FFP)	10000	ND		40	mg/kg
SMY-1-0.5	0.5	10/29/96	TPH (Gasoline)	1000	ND		200	mg/kg
SMY-1-0.5	0.5	10/29/96	TPH (Heavy Naptha)	1000	ND		80	mg/kg
SMY-1-0.5	0.5	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	460	J	200	mg/kg
SMY-1-0.5	0.5	10/29/96	TPH (Jet Fuel JP4)	1000	ND		80	mg/kg
SMY-1-0.5	0.5	10/29/96	TPH (Jet Fuel JP5)	1000	ND		80	mg/kg
SMY-1-0.5	0.5	10/29/96	TPH (Jet Fuel JP8)	1000	ND		80	mg/kg
SMY-1-0.5	0.5	10/29/96	TPH (Kerosene)	1000	ND		80	mg/kg
SMY-1-0.5	0.5	10/29/96	TPH (Light Naptha)	1000	ND		400	mg/kg
SMY-1-0.5	0.5	10/29/96	TPH (Stoddard Solvent)	1000	ND		200	mg/kg
SMY-1-0.5	0.5	10/29/96	TPH (WD 40)	10000	ND		80	mg/kg
SMY-1-0.5	0.5	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SMY-1-0.5	0.5	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg
SMY-1-0.5	0.5	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	Vanadium	12000	48		.5	mg/kg
SMY-1-0.5	0.5	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
SMY-1-0.5	0.5	10/29/96	Zinc	100000	65		.5	mg/kg
SMY-1-3	3	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SMY-1-3	3	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SMY-1-3	3	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	2,2-Dichloropropane	NA	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	4-Chlorotoluene	NA	ND		5.0	mg/kg
SMY-1-3	3	10/29/96	Antimony	680	ND		1.0	mg/kg
SMY-1-3	3	10/29/96	Arsenic	2.4	ND		.5.	mg/kg
SMY-1-3	3	10/29/96	Barium	100000	93		0.0020	mg/kg
SMY-1-3	3	10/29/96	Benzene	0.077	ND		.13	mg/kg
SMY-1-3	3	10/29/96	Beryllium	1.1	.22		0.0050	mg/kg
SMY-1-3	3	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	Bromochloromethane	NA	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	Bromoform	240	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	Bromomethane	23	ND		.12	mg/kg
SMY-1-3	3	10/29/96	Cadmium	850	.58		0.0050	mg/kg
SMY-1-3	3	10/29/96	Carbon Tetrachloride	0.5	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	Chlorobenzene	220	ND			

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SMY-1-3	3	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	Chromium	450	12		.5	mg/kg
SMY-1-3	3	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
SMY-1-3	3	10/29/96	Cobalt	97000	2.6		.5	mg/kg
SMY-1-3	3	10/29/96	Copper	63000	9.8		.5	mg/kg
SMY-1-3	3	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	Lead	1000	3.2		1.0	mg/kg
SMY-1-3	3	10/29/96	Mercury	68	ND		.02	mg/kg
SMY-1-3	3	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
SMY-1-3	3	10/29/96	Molybdenum	8500	ND		.5	mg/kg
SMY-1-3	3	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	Nickel	11000	7.8		.5	mg/kg
SMY-1-3	3	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	PCB-1016	50	ND		0.050	mg/kg
SMY-1-3	3	10/29/96	PCB-1221	50	ND		0.050	mg/kg
SMY-1-3	3	10/29/96	PCB-1232	50	ND		0.050	mg/kg
SMY-1-3	3	10/29/96	PCB-1242	50	ND		0.050	mg/kg
SMY-1-3	3	10/29/96	PCB-1248	50	ND		0.050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SMY-1-3	3	10/29/96	PCB-1254	50	ND		0.050	mg/kg
SMY-1-3	3	10/29/96	PCB-1260	50	ND		0.050	mg/kg
SMY-1-3	3	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	Selenium	8500	ND	UJ	1.0	mg/kg
SMY-1-3	3	10/29/96	Silver	8500	ND		.5	mg/kg
SMY-1-3	3	10/29/96	Styrene	680	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	Thallium	120	ND		5.0	mg/kg
SMY-1-3	3	10/29/96	Toluene	4	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	Total PCBs (Summation)	50	ND		0.050	mg/kg
SMY-1-3	3	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
SMY-1-3	3	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
SMY-1-3	3	10/29/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
SMY-1-3	3	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
SMY-1-3	3	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
SMY-1-3	3	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
SMY-1-3	3	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
SMY-1-3	3	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
SMY-1-3	3	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
SMY-1-3	3	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
SMY-1-3	3	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
SMY-1-3	3	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
SMY-1-3	3	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
SMY-1-3	3	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SMY-1-3	3	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg
SMY-1-3	3	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SMY-1-3	3	10/29/96	Vanadium	12000	40		.5	mg/kg
SMY-1-3	3	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SMY-1-3	3	10/29/96	Zinc	100000	35		.5	mg/kg
SMY-1-5	5	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SMY-1-5	5	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	Antimony	680	ND		5.0	mg/kg
SMY-1-5	5	10/29/96	Arsenic	2.4	ND		1.0	mg/kg
SMY-1-5	5	10/29/96	Barium	100000	91		.5	mg/kg
SMY-1-5	5	10/29/96	Benzene	0.077	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	Beryllium	1.1	.29		.13	mg/kg
SMY-1-5	5	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SMY-1-5	5	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	Bromoform	240	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	Bromomethane	23	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	Cadmium	850	ND		.12	mg/kg
SMY-1-5	5	10/29/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	Chlorobenzene	220	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	Chromium	450	14		.5	mg/kg
SMY-1-5	5	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
SMY-1-5	5	10/29/96	Cobalt	97000	5.2		.5	mg/kg
SMY-1-5	5	10/29/96	Copper	63000	9.8		.5	mg/kg
SMY-1-5	5	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	Lead	1000	2.9		1.0	mg/kg
SMY-1-5	5	10/29/96	Mercury	68	.046		.02	mg/kg
SMY-1-5	5	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
SMY-1-5	5	10/29/96	Molybdenum	8500	ND		.5	mg/kg
SMY-1-5	5	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	Nickel	11000	8.6		.5	mg/kg
SMY-1-5	5	10/29/96	o-Xylene	48	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SMY-1-5	5	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	PCB-1016	50	ND		0.050	mg/kg
SMY-1-5	5	10/29/96	PCB-1221	50	ND		0.050	mg/kg
SMY-1-5	5	10/29/96	PCB-1232	50	ND		0.050	mg/kg
SMY-1-5	5	10/29/96	PCB-1242	50	ND		0.050	mg/kg
SMY-1-5	5	10/29/96	PCB-1248	50	ND		0.050	mg/kg
SMY-1-5	5	10/29/96	PCB-1254	50	ND		0.050	mg/kg
SMY-1-5	5	10/29/96	PCB-1260	50	ND		0.050	mg/kg
SMY-1-5	5	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	Selenium	8500	ND	UJ	1.0	mg/kg
SMY-1-5	5	10/29/96	Silver	8500	ND		.5	mg/kg
SMY-1-5	5	10/29/96	Styrene	680	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	Thallium	120	ND		5.0	mg/kg
SMY-1-5	5	10/29/96	Toluene	4	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	Total PCBs (Summation)	50	ND		0.050	mg/kg
SMY-1-5	5	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
SMY-1-5	5	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
SMY-1-5	5	10/29/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
SMY-1-5	5	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
SMY-1-5	5	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
SMY-1-5	5	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
SMY-1-5	5	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
SMY-1-5	5	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
SMY-1-5	5	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
SMY-1-5	5	10/29/96	TPH (Kerosene)	1000	ND		50.	mg/kg
SMY-1-5	5	10/29/96	TPH (Light Naptha)	1000	ND		20.	mg/kg
SMY-1-5	5	10/29/96	TPH (Stoddard Solvent)	1000	ND			

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SMY-1-5	5	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
SMY-1-5	5	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SMY-1-5	5	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg
SMY-1-5	5	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	Vanadium	12000	35		.5	mg/kg
SMY-1-5	5	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
SMY-1-5	5	10/29/96	Zinc	100000	36		.5	mg/kg
SEPTIC SYSTEMS								
SS1-20	20	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SS1-20	20	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SS1-20	20	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SS1-20	20	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SS1-20	20	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SS1-20	20	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SS1-20	20	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SS1-20	20	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SS1-20	20	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SS1-20	20	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SS1-20	20	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS1-20	20	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SS1-20	20	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SS1-20	20	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SS1-20	20	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SS1-20	20	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SS1-20	20	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS1-20	20	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SS1-20	20	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SS1-20	20	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SS1-20	20	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS1-20	20	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SS1-20	20	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SS1-20	20	10/29/96	Benzene	0.077	ND		0.0020	mg/kg
SS1-20	20	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg
SS1-20	20	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
SS1-20	20	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SS1-20	20	10/29/96	Bromoform	240	ND		0.0020	mg/kg
SS1-20	20	10/29/96	Bromomethane	23	ND		0.0050	mg/kg
SS1-20	20	10/29/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SS1-20	20	10/29/96	Chlorobenzene	220	ND		0.0020	mg/kg
SS1-20	20	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
SS1-20	20	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg
SS1-20	20	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg
SS1-20	20	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SS1-20	20	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
SS1-20	20	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SS1-20	20	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
SS1-20	20	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SS1-20	20	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
SS1-20	20	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SS1-20	20	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SS1-20	20	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
SS1-20	20	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
SS1-20	20	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SS1-20	20	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
SS1-20	20	10/29/96	Nitrate as NO3	NA	ND		20.	mg/kg
SS1-20	20	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
SS1-20	20	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
SS1-20	20	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SS1-20	20	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS1-20	20	10/29/96	Styrene	680	ND		0.0020	mg/kg
SS1-20	20	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SS1-20	20	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SS1-20	20	10/29/96	Toluene	4	ND		0.0020	mg/kg
SS1-20	20	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SS1-20	20	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SS1-20	20	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg
SS1-20	20	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SS1-20	20	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
SS1-30	30	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SS1-30	30	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SS1-30	30	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SS1-30	30	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SS1-30	30	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SS1-30	30	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SS1-30	30	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SS1-30	30	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SS1-30	30	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SS1-30	30	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SS1-30	30	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS1-30	30	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SS1-30	30	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SS1-30	30	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SS1-30	30	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SS1-30	30	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SS1-30	30	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS1-30	30	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SS1-30	30	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SS1-30	30	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SS1-30	30	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS1-30	30	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SS1-30	30	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SS1-30	30	10/29/96	Benzene	0.077	ND		0.0020	mg/kg
SS1-30	30	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg
SS1-30	30	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
SS1-30	30	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SS1-30	30	10/29/96	Bromoform	240	ND		0.0020	mg/kg
SS1-30	30	10/29/96	Bromomethane	23	ND		0.0050	mg/kg
SS1-30	30	10/29/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SS1-30	30	10/29/96	Chlorobenzene	220	ND		0.0020	mg/kg
SS1-30	30	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
SS1-30	30	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg
SS1-30	30	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg
SS1-30	30	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SS1-30	30	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
SS1-30	30	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SS1-30	30	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
SS1-30	30	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SS1-30	30	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
SS1-30	30	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SS1-30	30	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SS1-30	30	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
SS1-30	30	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
SS1-30	30	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SS1-30	30	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
SS1-30	30	10/29/96	Nitrate as NO3	NA	ND		20.	mg/kg
SS1-30	30	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
SS1-30	30	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
SS1-30	30	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SS1-30	30	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS1-30	30	10/29/96	Styrene	680	ND		0.0020	mg/kg
SS1-30	30	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SS1-30	30	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SS1-30	30	10/29/96	Toluene	4	ND		0.0020	mg/kg
SS1-30	30	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SS1-30	30	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SS1-30	30	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg
SS1-30	30	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SS1-30	30	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
SS2-20	20	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SS2-20	20	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SS2-20	20	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SS2-20	20	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SS2-20	20	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SS2-20	20	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SS2-20	20	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SS2-20	20	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SS2-20	20	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SS2-20	20	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SS2-20	20	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS2-20	20	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SS2-20	20	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SS2-20	20	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SS2-20	20	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SS2-20	20	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SS2-20	20	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS2-20	20	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SS2-20	20	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SS2-20	20	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SS2-20	20	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS2-20	20	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SS2-20	20	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SS2-20	20	10/29/96	Benzene	0.077	ND		0.0020	mg/kg
SS2-20	20	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg
SS2-20	20	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
SS2-20	20	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SS2-20	20	10/29/96	Bromoform	240	ND		0.0020	mg/kg
SS2-20	20	10/29/96	Bromomethane	23	ND		0.0050	mg/kg
SS2-20	20	10/29/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SS2-20	20	10/29/96	Chlorobenzene	220	ND		0.0020	mg/kg
SS2-20	20	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
SS2-20	20	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg
SS2-20	20	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg
SS2-20	20	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SS2-20	20	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
SS2-20	20	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SS2-20	20	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
SS2-20	20	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SS2-20	20	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
SS2-20	20	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SS2-20	20	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SS2-20	20	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
SS2-20	20	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
SS2-20	20	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SS2-20	20	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
SS2-20	20	10/29/96	Nitrate as NO3	NA	ND		20.	mg/kg
SS2-20	20	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
SS2-20	20	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
SS2-20	20	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SS2-20	20	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS2-20	20	10/29/96	Styrene	680	ND		0.0020	mg/kg
SS2-20	20	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SS2-20	20	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SS2-20	20	10/29/96	Toluene	4	ND		0.0020	mg/kg
SS2-20	20	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SS2-20	20	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SS2-20	20	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg
SS2-20	20	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SS2-20	20	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
SS2-30	30	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SS2-30	30	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SS2-30	30	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SS2-30	30	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SS2-30	30	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SS2-30	30	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SS2-30	30	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SS2-30	30	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SS2-30	30	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SS2-30	30	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SS2-30	30	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS2-30	30	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SS2-30	30	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SS2-30	30	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SS2-30	30	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SS2-30	30	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SS2-30	30	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS2-30	30	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SS2-30	30	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SS2-30	30	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SS2-30	30	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS2-30	30	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SS2-30	30	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SS2-30	30	10/29/96	Benzene	0.077	ND		0.0020	mg/kg
SS2-30	30	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg
SS2-30	30	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
SS2-30	30	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SS2-30	30	10/29/96	Bromoform	240	ND		0.0020	mg/kg
SS2-30	30	10/29/96	Bromomethane	23	ND		0.0050	mg/kg
SS2-30	30	10/29/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SS2-30	30	10/29/96	Chlorobenzene	220	ND		0.0020	mg/kg
SS2-30	30	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
SS2-30	30	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg
SS2-30	30	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg
SS2-30	30	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SS2-30	30	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
SS2-30	30	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SS2-30	30	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
SS2-30	30	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SS2-30	30	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
SS2-30	30	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SS2-30	30	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SS2-30	30	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
SS2-30	30	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
SS2-30	30	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SS2-30	30	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
SS2-30	30	10/29/96	Nitrate as NO3	NA	ND		20.	mg/kg
SS2-30	30	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
SS2-30	30	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
SS2-30	30	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SS2-30	30	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS2-30	30	10/29/96	Styrene	680	ND		0.0020	mg/kg
SS2-30	30	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SS2-30	30	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SS2-30	30	10/29/96	Toluene	4	ND		0.0020	mg/kg
SS2-30	30	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SS2-30	30	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SS2-30	30	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg
SS2-30	30	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SS2-30	30	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
SS3-20	20	10/31/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SS3-20	20	10/31/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SS3-20	20	10/31/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SS3-20	20	10/31/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SS3-20	20	10/31/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SS3-20	20	10/31/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SS3-20	20	10/31/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SS3-20	20	10/31/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SS3-20	20	10/31/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SS3-20	20	10/31/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SS3-20	20	10/31/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS3-20	20	10/31/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SS3-20	20	10/31/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SS3-20	20	10/31/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SS3-20	20	10/31/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SS3-20	20	10/31/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SS3-20	20	10/31/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS3-20	20	10/31/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SS3-20	20	10/31/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SS3-20	20	10/31/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SS3-20	20	10/31/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS3-20	20	10/31/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SS3-20	20	10/31/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SS3-20	20	10/31/96	Benzene	0.077	ND		0.0020	mg/kg
SS3-20	20	10/31/96	Bromobenzene	NA	ND		0.0050	mg/kg
SS3-20	20	10/31/96	Bromochloromethane	NA	ND		0.0050	mg/kg
SS3-20	20	10/31/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SS3-20	20	10/31/96	Bromoform	240	ND		0.0020	mg/kg
SS3-20	20	10/31/96	Bromomethane	23	ND		0.0050	mg/kg
SS3-20	20	10/31/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SS3-20	20	10/31/96	Chlorobenzene	220	ND		0.0020	mg/kg
SS3-20	20	10/31/96	Chloroethane	1600	ND		0.0050	mg/kg
SS3-20	20	10/31/96	Chloroform	0.53	ND		0.0020	mg/kg
SS3-20	20	10/31/96	Chloromethane	2.6	ND		0.0050	mg/kg
SS3-20	20	10/31/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SS3-20	20	10/31/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
SS3-20	20	10/31/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SS3-20	20	10/31/96	Dibromomethane	6800	ND		0.0020	mg/kg
SS3-20	20	10/31/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SS3-20	20	10/31/96	Ethyl Benzene	17	ND		0.0020	mg/kg
SS3-20	20	10/31/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SS3-20	20	10/31/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SS3-20	20	10/31/96	Methylene Chloride	18	ND		0.010	mg/kg
SS3-20	20	10/31/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
SS3-20	20	10/31/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SS3-20	20	10/31/96	Naphthalene	240	ND		0.0050	mg/kg
SS3-20	20	10/31/96	Nitrate as NO3	NA	ND		20.	mg/kg
SS3-20	20	10/31/96	o-Xylene	48	ND		0.0020	mg/kg
SS3-20	20	10/31/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
SS3-20	20	10/31/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SS3-20	20	10/31/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS3-20	20	10/31/96	Styrene	680	ND		0.0020	mg/kg
SS3-20	20	10/31/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SS3-20	20	10/31/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SS3-20	20	10/31/96	Toluene	4	ND		0.0020	mg/kg
SS3-20	20	10/31/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SS3-20	20	10/31/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SS3-20	20	10/31/96	Trichloroethene	7	ND		0.0020	mg/kg
SS3-20	20	10/31/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SS3-20	20	10/31/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
SS3-30	30	10/31/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SS3-30	30	10/31/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SS3-30	30	10/31/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SS3-30	30	10/31/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SS3-30	30	10/31/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SS3-30	30	10/31/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SS3-30	30	10/31/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SS3-30	30	10/31/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SS3-30	30	10/31/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SS3-30	30	10/31/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SS3-30	30	10/31/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS3-30	30	10/31/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SS3-30	30	10/31/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SS3-30	30	10/31/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SS3-30	30	10/31/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SS3-30	30	10/31/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SS3-30	30	10/31/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS3-30	30	10/31/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SS3-30	30	10/31/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SS3-30	30	10/31/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SS3-30	30	10/31/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS3-30	30	10/31/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SS3-30	30	10/31/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SS3-30	30	10/31/96	Benzene	0.077	ND		0.0020	mg/kg
SS3-30	30	10/31/96	Bromobenzene	NA	ND		0.0050	mg/kg
SS3-30	30	10/31/96	Bromochloromethane	NA	ND		0.0050	mg/kg
SS3-30	30	10/31/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SS3-30	30	10/31/96	Bromoform	240	ND		0.0020	mg/kg
SS3-30	30	10/31/96	Bromomethane	23	ND		0.0050	mg/kg
SS3-30	30	10/31/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SS3-30	30	10/31/96	Chlorobenzene	220	ND		0.0020	mg/kg
SS3-30	30	10/31/96	Chloroethane	1600	ND		0.0050	mg/kg
SS3-30	30	10/31/96	Chloroform	0.53	ND		0.0020	mg/kg
SS3-30	30	10/31/96	Chloromethane	2.6	ND		0.0050	mg/kg
SS3-30	30	10/31/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SS3-30	30	10/31/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
SS3-30	30	10/31/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SS3-30	30	10/31/96	Dibromomethane	6800	ND		0.0020	mg/kg
SS3-30	30	10/31/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SS3-30	30	10/31/96	Ethyl Benzene	17	ND		0.0020	mg/kg
SS3-30	30	10/31/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SS3-30	30	10/31/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SS3-30	30	10/31/96	Methylene Chloride	18	ND		0.010	mg/kg
SS3-30	30	10/31/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
SS3-30	30	10/31/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SS3-30	30	10/31/96	Naphthalene	240	ND		0.0050	mg/kg
SS3-30	30	10/31/96	Nitrate as NO3	NA	ND		20.	mg/kg
SS3-30	30	10/31/96	o-Xylene	48	ND		0.0020	mg/kg
SS3-30	30	10/31/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
SS3-30	30	10/31/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SS3-30	30	10/31/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS3-30	30	10/31/96	Styrene	680	ND		0.0020	mg/kg
SS3-30	30	10/31/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SS3-30	30	10/31/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SS3-30	30	10/31/96	Toluene	4	ND		0.0020	mg/kg
SS3-30	30	10/31/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SS3-30	30	10/31/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SS3-30	30	10/31/96	Trichloroethene	7	ND		0.0020	mg/kg
SS3-30	30	10/31/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SS3-30	30	10/31/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
SS4-20	20	10/31/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SS4-20	20	10/31/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SS4-20	20	10/31/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SS4-20	20	10/31/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SS4-20	20	10/31/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SS4-20	20	10/31/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SS4-20	20	10/31/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SS4-20	20	10/31/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SS4-20	20	10/31/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SS4-20	20	10/31/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SS4-20	20	10/31/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS4-20	20	10/31/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SS4-20	20	10/31/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SS4-20	20	10/31/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SS4-20	20	10/31/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SS4-20	20	10/31/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SS4-20	20	10/31/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS4-20	20	10/31/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SS4-20	20	10/31/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SS4-20	20	10/31/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SS4-20	20	10/31/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS4-20	20	10/31/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SS4-20	20	10/31/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SS4-20	20	10/31/96	Benzene	0.077	ND		0.0020	mg/kg
SS4-20	20	10/31/96	Bromobenzene	NA	ND		0.0050	mg/kg
SS4-20	20	10/31/96	Bromochloromethane	NA	ND		0.0050	mg/kg
SS4-20	20	10/31/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SS4-20	20	10/31/96	Bromoform	240	ND		0.0020	mg/kg
SS4-20	20	10/31/96	Bromomethane	23	ND		0.0050	mg/kg
SS4-20	20	10/31/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SS4-20	20	10/31/96	Chlorobenzene	220	ND		0.0020	mg/kg
SS4-20	20	10/31/96	Chloroethane	1600	ND		0.0050	mg/kg
SS4-20	20	10/31/96	Chloroform	0.53	ND		0.0020	mg/kg
SS4-20	20	10/31/96	Chloromethane	2.6	ND		0.0050	mg/kg
SS4-20	20	10/31/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SS4-20	20	10/31/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
SS4-20	20	10/31/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SS4-20	20	10/31/96	Dibromomethane	6800	ND		0.0020	mg/kg
SS4-20	20	10/31/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SS4-20	20	10/31/96	Ethyl Benzene	17	ND		0.0020	mg/kg
SS4-20	20	10/31/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SS4-20	20	10/31/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SS4-20	20	10/31/96	Methylene Chloride	18	ND		0.010	mg/kg
SS4-20	20	10/31/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
SS4-20	20	10/31/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SS4-20	20	10/31/96	Naphthalene	240	ND		0.0050	mg/kg
SS4-20	20	10/31/96	Nitrate as NO3	NA	ND		20.	mg/kg
SS4-20	20	10/31/96	o-Xylene	48	ND		0.0020	mg/kg
SS4-20	20	10/31/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
SS4-20	20	10/31/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SS4-20	20	10/31/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS4-20	20	10/31/96	Styrene	680	ND		0.0020	mg/kg
SS4-20	20	10/31/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SS4-20	20	10/31/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SS4-20	20	10/31/96	Toluene	4	ND		0.0020	mg/kg
SS4-20	20	10/31/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SS4-20	20	10/31/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SS4-20	20	10/31/96	Trichloroethene	7	ND		0.0020	mg/kg
SS4-20	20	10/31/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SS4-20	20	10/31/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
SS4-30	30	10/31/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SS4-30	30	10/31/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SS4-30	30	10/31/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SS4-30	30	10/31/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SS4-30	30	10/31/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SS4-30	30	10/31/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SS4-30	30	10/31/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SS4-30	30	10/31/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SS4-30	30	10/31/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SS4-30	30	10/31/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SS4-30	30	10/31/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS4-30	30	10/31/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SS4-30	30	10/31/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SS4-30	30	10/31/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SS4-30	30	10/31/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SS4-30	30	10/31/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SS4-30	30	10/31/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS4-30	30	10/31/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SS4-30	30	10/31/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SS4-30	30	10/31/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SS4-30	30	10/31/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS4-30	30	10/31/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SS4-30	30	10/31/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SS4-30	30	10/31/96	Benzene	0.077	ND		0.0020	mg/kg
SS4-30	30	10/31/96	Bromobenzene	NA	ND		0.0050	mg/kg
SS4-30	30	10/31/96	Bromochloromethane	NA	ND		0.0050	mg/kg
SS4-30	30	10/31/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SS4-30	30	10/31/96	Bromoform	240	ND		0.0020	mg/kg
SS4-30	30	10/31/96	Bromomethane	23	ND		0.0050	mg/kg
SS4-30	30	10/31/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SS4-30	30	10/31/96	Chlorobenzene	220	ND		0.0020	mg/kg
SS4-30	30	10/31/96	Chloroethane	1600	ND		0.0050	mg/kg
SS4-30	30	10/31/96	Chloroform	0.53	ND		0.0020	mg/kg
SS4-30	30	10/31/96	Chloromethane	2.6	ND		0.0050	mg/kg
SS4-30	30	10/31/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SS4-30	30	10/31/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
SS4-30	30	10/31/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SS4-30	30	10/31/96	Dibromomethane	6800	ND		0.0020	mg/kg
SS4-30	30	10/31/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SS4-30	30	10/31/96	Ethyl Benzene	17	ND		0.0020	mg/kg
SS4-30	30	10/31/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SS4-30	30	10/31/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SS4-30	30	10/31/96	Methylene Chloride	18	ND		0.010	mg/kg
SS4-30	30	10/31/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
SS4-30	30	10/31/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SS4-30	30	10/31/96	Naphthalene	240	ND		0.0050	mg/kg
SS4-30	30	10/31/96	Nitrate as NO3	NA	ND		20.	mg/kg
SS4-30	30	10/31/96	o-Xylene	48	ND		0.0020	mg/kg
SS4-30	30	10/31/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
SS4-30	30	10/31/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SS4-30	30	10/31/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS4-30	30	10/31/96	Styrene	680	ND		0.0020	mg/kg
SS4-30	30	10/31/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SS4-30	30	10/31/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SS4-30	30	10/31/96	Toluene	4	ND		0.0020	mg/kg
SS4-30	30	10/31/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SS4-30	30	10/31/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SS4-30	30	10/31/96	Trichloroethene	7	ND		0.0020	mg/kg
SS4-30	30	10/31/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SS4-30	30	10/31/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
SS5-20	20	10/31/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SS5-20	20	10/31/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SS5-20	20	10/31/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SS5-20	20	10/31/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SS5-20	20	10/31/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SS5-20	20	10/31/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SS5-20	20	10/31/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SS5-20	20	10/31/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SS5-20	20	10/31/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SS5-20	20	10/31/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SS5-20	20	10/31/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS5-20	20	10/31/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SS5-20	20	10/31/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SS5-20	20	10/31/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SS5-20	20	10/31/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SS5-20	20	10/31/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SS5-20	20	10/31/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS5-20	20	10/31/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SS5-20	20	10/31/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SS5-20	20	10/31/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SS5-20	20	10/31/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS5-20	20	10/31/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SS5-20	20	10/31/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SS5-20	20	10/31/96	Benzene	0.077	ND		0.0020	mg/kg
SS5-20	20	10/31/96	Bromobenzene	NA	ND		0.0050	mg/kg
SS5-20	20	10/31/96	Bromochloromethane	NA	ND		0.0050	mg/kg
SS5-20	20	10/31/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SS5-20	20	10/31/96	Bromoform	240	ND		0.0020	mg/kg
SS5-20	20	10/31/96	Bromomethane	23	ND		0.0050	mg/kg
SS5-20	20	10/31/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SS5-20	20	10/31/96	Chlorobenzene	220	ND		0.0020	mg/kg
SS5-20	20	10/31/96	Chloroethane	1600	ND		0.0050	mg/kg
SS5-20	20	10/31/96	Chloroform	0.53	ND		0.0020	mg/kg
SS5-20	20	10/31/96	Chloromethane	2.6	ND		0.0050	mg/kg
SS5-20	20	10/31/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SS5-20	20	10/31/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
SS5-20	20	10/31/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SS5-20	20	10/31/96	Dibromomethane	6800	ND		0.0020	mg/kg
SS5-20	20	10/31/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SS5-20	20	10/31/96	Ethyl Benzene	17	ND		0.0020	mg/kg
SS5-20	20	10/31/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SS5-20	20	10/31/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SS5-20	20	10/31/96	Methylene Chloride	18	ND		0.010	mg/kg
SS5-20	20	10/31/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
SS5-20	20	10/31/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SS5-20	20	10/31/96	Naphthalene	240	ND		0.0050	mg/kg
SS5-20	20	10/31/96	Nitrate as NO3	NA	24.8		20.	mg/kg
SS5-20	20	10/31/96	o-Xylene	48	ND		0.0020	mg/kg
SS5-20	20	10/31/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
SS5-20	20	10/31/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SS5-20	20	10/31/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS5-20	20	10/31/96	Styrene	680	ND		0.0020	mg/kg
SS5-20	20	10/31/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SS5-20	20	10/31/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SS5-20	20	10/31/96	Toluene	4	ND		0.0020	mg/kg
SS5-20	20	10/31/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SS5-20	20	10/31/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SS5-20	20	10/31/96	Trichloroethene	7	ND		0.0020	mg/kg
SS5-20	20	10/31/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SS5-20	20	10/31/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
SS5-30	30	10/31/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SS5-30	30	10/31/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SS5-30	30	10/31/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SS5-30	30	10/31/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SS5-30	30	10/31/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SS5-30	30	10/31/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SS5-30	30	10/31/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SS5-30	30	10/31/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SS5-30	30	10/31/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SS5-30	30	10/31/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SS5-30	30	10/31/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS5-30	30	10/31/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SS5-30	30	10/31/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SS5-30	30	10/31/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SS5-30	30	10/31/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SS5-30	30	10/31/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SS5-30	30	10/31/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS5-30	30	10/31/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SS5-30	30	10/31/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SS5-30	30	10/31/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SS5-30	30	10/31/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS5-30	30	10/31/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SS5-30	30	10/31/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SS5-30	30	10/31/96	Benzene	0.077	ND		0.0020	mg/kg
SS5-30	30	10/31/96	Bromobenzene	NA	ND		0.0050	mg/kg
SS5-30	30	10/31/96	Bromochloromethane	NA	ND		0.0050	mg/kg
SS5-30	30	10/31/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SS5-30	30	10/31/96	Bromoform	240	ND		0.0020	mg/kg
SS5-30	30	10/31/96	Bromomethane	23	ND		0.0050	mg/kg
SS5-30	30	10/31/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SS5-30	30	10/31/96	Chlorobenzene	220	ND		0.0020	mg/kg
SS5-30	30	10/31/96	Chloroethane	1600	ND		0.0050	mg/kg
SS5-30	30	10/31/96	Chloroform	0.53	ND		0.0020	mg/kg
SS5-30	30	10/31/96	Chloromethane	2.6	ND		0.0050	mg/kg
SS5-30	30	10/31/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SS5-30	30	10/31/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
SS5-30	30	10/31/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SS5-30	30	10/31/96	Dibromomethane	6800	ND		0.0020	mg/kg
SS5-30	30	10/31/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SS5-30	30	10/31/96	Ethyl Benzene	17	ND		0.0020	mg/kg
SS5-30	30	10/31/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SS5-30	30	10/31/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SS5-30	30	10/31/96	Methylene Chloride	18	ND		0.010	mg/kg
SS5-30	30	10/31/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
SS5-30	30	10/31/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SS5-30	30	10/31/96	Naphthalene	240	ND		0.0050	mg/kg
SS5-30	30	10/31/96	Nitrate as NO3	NA	40.8		20.	mg/kg
SS5-30	30	10/31/96	o-Xylene	48	ND		0.0020	mg/kg
SS5-30	30	10/31/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
SS5-30	30	10/31/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SS5-30	30	10/31/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS5-30	30	10/31/96	Styrene	680	ND		0.0020	mg/kg
SS5-30	30	10/31/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SS5-30	30	10/31/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SS5-30	30	10/31/96	Toluene	4	ND		0.0020	mg/kg
SS5-30	30	10/31/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SS5-30	30	10/31/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SS5-30	30	10/31/96	Trichloroethene	7	ND		0.0020	mg/kg
SS5-30	30	10/31/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SS5-30	30	10/31/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
SS6-20	20	10/31/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SS6-20	20	10/31/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SS6-20	20	10/31/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SS6-20	20	10/31/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SS6-20	20	10/31/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SS6-20	20	10/31/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SS6-20	20	10/31/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SS6-20	20	10/31/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SS6-20	20	10/31/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SS6-20	20	10/31/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SS6-20	20	10/31/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS6-20	20	10/31/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SS6-20	20	10/31/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SS6-20	20	10/31/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SS6-20	20	10/31/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SS6-20	20	10/31/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SS6-20	20	10/31/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS6-20	20	10/31/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SS6-20	20	10/31/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SS6-20	20	10/31/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SS6-20	20	10/31/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS6-20	20	10/31/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SS6-20	20	10/31/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SS6-20	20	10/31/96	Benzene	0.077	ND		0.0020	mg/kg
SS6-20	20	10/31/96	Bromobenzene	NA	ND		0.0050	mg/kg
SS6-20	20	10/31/96	Bromochloromethane	NA	ND		0.0050	mg/kg
SS6-20	20	10/31/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SS6-20	20	10/31/96	Bromoform	240	ND		0.0020	mg/kg
SS6-20	20	10/31/96	Bromomethane	23	ND		0.0050	mg/kg
SS6-20	20	10/31/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SS6-20	20	10/31/96	Chlorobenzene	220	ND		0.0020	mg/kg
SS6-20	20	10/31/96	Chloroethane	1600	ND		0.0050	mg/kg
SS6-20	20	10/31/96	Chloroform	0.53	ND		0.0020	mg/kg
SS6-20	20	10/31/96	Chloromethane	2.6	ND		0.0050	mg/kg
SS6-20	20	10/31/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SS6-20	20	10/31/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
SS6-20	20	10/31/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SS6-20	20	10/31/96	Dibromomethane	6800	ND		0.0020	mg/kg
SS6-20	20	10/31/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SS6-20	20	10/31/96	Ethyl Benzene	17	ND		0.0020	mg/kg
SS6-20	20	10/31/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SS6-20	20	10/31/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SS6-20	20	10/31/96	Methylene Chloride	18	ND		0.010	mg/kg
SS6-20	20	10/31/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
SS6-20	20	10/31/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SS6-20	20	10/31/96	Naphthalene	240	ND		0.0050	mg/kg
SS6-20	20	10/31/96	Nitrate as NO3	NA	60.2		20.	mg/kg
SS6-20	20	10/31/96	o-Xylene	48	ND		0.0020	mg/kg
SS6-20	20	10/31/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
SS6-20	20	10/31/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SS6-20	20	10/31/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS6-20	20	10/31/96	Styrene	680	ND		0.0020	mg/kg
SS6-20	20	10/31/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SS6-20	20	10/31/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SS6-20	20	10/31/96	Toluene	4	ND		0.0020	mg/kg
SS6-20	20	10/31/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SS6-20	20	10/31/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SS6-20	20	10/31/96	Trichloroethene	7	ND		0.0020	mg/kg
SS6-20	20	10/31/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SS6-20	20	10/31/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
SS6-30	30	10/31/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SS6-30	30	10/31/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SS6-30	30	10/31/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SS6-30	30	10/31/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SS6-30	30	10/31/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SS6-30	30	10/31/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SS6-30	30	10/31/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SS6-30	30	10/31/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SS6-30	30	10/31/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SS6-30	30	10/31/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SS6-30	30	10/31/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS6-30	30	10/31/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SS6-30	30	10/31/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SS6-30	30	10/31/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SS6-30	30	10/31/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SS6-30	30	10/31/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SS6-30	30	10/31/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS6-30	30	10/31/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SS6-30	30	10/31/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SS6-30	30	10/31/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SS6-30	30	10/31/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS6-30	30	10/31/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SS6-30	30	10/31/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SS6-30	30	10/31/96	Benzene	0.077	ND		0.0020	mg/kg
SS6-30	30	10/31/96	Bromobenzene	NA	ND		0.0050	mg/kg
SS6-30	30	10/31/96	Bromochloromethane	NA	ND		0.0050	mg/kg
SS6-30	30	10/31/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SS6-30	30	10/31/96	Bromoform	240	ND		0.0020	mg/kg
SS6-30	30	10/31/96	Bromomethane	23	ND		0.0050	mg/kg
SS6-30	30	10/31/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SS6-30	30	10/31/96	Chlorobenzene	220	ND		0.0020	mg/kg
SS6-30	30	10/31/96	Chloroethane	1600	ND		0.0050	mg/kg
SS6-30	30	10/31/96	Chloroform	0.53	ND		0.0020	mg/kg
SS6-30	30	10/31/96	Chloromethane	2.6	ND		0.0050	mg/kg
SS6-30	30	10/31/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SS6-30	30	10/31/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
SS6-30	30	10/31/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SS6-30	30	10/31/96	Dibromomethane	6800	ND		0.0020	mg/kg
SS6-30	30	10/31/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SS6-30	30	10/31/96	Ethyl Benzene	17	ND		0.0020	mg/kg
SS6-30	30	10/31/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SS6-30	30	10/31/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SS6-30	30	10/31/96	Methylene Chloride	18	ND		0.010	mg/kg
SS6-30	30	10/31/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
SS6-30	30	10/31/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SS6-30	30	10/31/96	Naphthalene	240	ND		0.0050	mg/kg
SS6-30	30	10/31/96	Nitrate as NO3	NA	37.2		20.	mg/kg
SS6-30	30	10/31/96	o-Xylene	48	ND		0.0020	mg/kg
SS6-30	30	10/31/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
SS6-30	30	10/31/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SS6-30	30	10/31/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SS6-30	30	10/31/96	Styrene	680	ND		0.0020	mg/kg
SS6-30	30	10/31/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SS6-30	30	10/31/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SS6-30	30	10/31/96	Toluene	4	ND		0.0020	mg/kg
SS6-30	30	10/31/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SS6-30	30	10/31/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SS6-30	30	10/31/96	Trichloroethene	7	ND		0.0020	mg/kg
SS6-30	30	10/31/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SS6-30	30	10/31/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
SITE OF 1995 REPORTED TRANSFORMER OIL SPILL								
OS1-0.5	0.5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
OS1-0.5	0.5	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
OS1-0.5	0.5	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
OS1-0.5	0.5	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
OS1-0.5	0.5	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
OS1-0.5	0.5	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
OS1-0.5	0.5	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
OS1-0.5	0.5	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
OS1-0.5	0.5	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
OS1-0.5	0.5	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
OS1-0.5	0.5	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
OS1-0.5	0.5	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
OS1-0.5	0.5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
OS1-3	3	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
OS1-3	3	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
OS1-3	3	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
OS1-3	3	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
OS1-3	3	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
OS1-3	3	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
OS1-3	3	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
OS1-3	3	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
OS1-3	3	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
OS1-3	3	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
OS1-3	3	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
OS1-3	3	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
OS2-0.5	0.5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
OS2-0.5	0.5	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
OS2-0.5	0.5	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
OS2-0.5	0.5	10/31/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
OS2-0.5	0.5	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
OS2-0.5	0.5	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
OS2-0.5	0.5	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
OS2-0.5	0.5	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
OS2-0.5	0.5	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
OS2-0.5	0.5	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
OS2-0.5	0.5	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
OS2-0.5	0.5	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
OS2-0.5	0.5	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
OS2-0.5	0.5	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
OS2-3	3	10/31/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
OS2-3	3	10/31/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
OS2-3	3	10/31/96	TPH (Diesel-FFP)	10000	5.1		5.0	mg/kg
OS2-3	3	10/31/96	TPH (Gasoline)	1000	ND		20.	mg/kg
OS2-3	3	10/31/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
OS2-3	3	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
OS2-3	3	10/31/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
OS2-3	3	10/31/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
OS2-3	3	10/31/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
OS2-3	3	10/31/96	TPH (Kerosene)	1000	ND		10.	mg/kg
OS2-3	3	10/31/96	TPH (Light Naptha)	1000	ND		50.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
OS2-3	3	10/31/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
OS2-3	3	10/31/96	TPH (WD 40)	10000	ND		10.	mg/kg
VINEYARD WATER TANK								
CS-1-0.5	0.5	2/5/97	4-4-DDD	7.9	ND		.002	mg/kg
CS-1-0.5	0.5	2/5/97	4-4-DDE	5.6	.065	J	.002	mg/kg
CS-1-0.5	0.5	2/5/97	4-4-DDT	5.6	.135	J	.002	mg/kg
CS-1-0.5	0.5	2/5/97	Aldrin	0.11	ND		.002	mg/kg
CS-1-0.5	0.5	2/5/97	alpha-BHC	0.3	ND		.002	mg/kg
CS-1-0.5	0.5	2/5/97	Azinphos methyl	NA	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	beta-BHC	1.1	ND		.002	mg/kg
CS-1-0.5	0.5	2/5/97	Bolstar	NA	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Chlordane (Technical)	1.5	ND		.1	mg/kg
CS-1-0.5	0.5	2/5/97	Chlorpyrifos	2000	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Coumaphos	NA	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	delta-BHC	NA	ND		.002	mg/kg
CS-1-0.5	0.5	2/5/97	Demeton	27	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Diazinon	610	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Dichlorvos	6.6	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Dieldrin	0.12	ND		.002	mg/kg
CS-1-0.5	0.5	2/5/97	Disulfoton	27	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Endosulfan I	4100	ND		.002	mg/kg
CS-1-0.5	0.5	2/5/97	Endosulfan II	4100	ND		.002	mg/kg
CS-1-0.5	0.5	2/5/97	Endosulfan Sulfate	4100	ND		.002	mg/kg
CS-1-0.5	0.5	2/5/97	Endrin	200	ND		.002	mg/kg
CS-1-0.5	0.5	2/5/97	Endrin Aldehyde	NA	ND		.005	mg/kg
CS-1-0.5	0.5	2/5/97	Ethoprop	NA	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Fensulfothion	NA	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Fenthion	NA	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	gamma-BHC	NA	ND		.002	mg/kg
CS-1-0.5	0.5	2/5/97	Heptachlor	0.42	ND		.002	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CS-1-0.5	0.5	2/5/97	Heptachlor epoxide	0.21	ND		.002	mg/kg
CS-1-0.5	0.5	2/5/97	Malathion	14000	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Merphos	20	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Methoxychlor	3400	ND		.002	mg/kg
CS-1-0.5	0.5	2/5/97	Mevinphos	NA	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Naled Dibrom	1400	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Parathion methyl	NA	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	PCB-1016	50	ND		.5	mg/kg
CS-1-0.5	0.5	2/5/97	PCB-1221	50	ND		.5	mg/kg
CS-1-0.5	0.5	2/5/97	PCB-1232	50	ND		.5	mg/kg
CS-1-0.5	0.5	2/5/97	PCB-1242	50	ND		.5	mg/kg
CS-1-0.5	0.5	2/5/97	PCB-1248	50	ND		.5	mg/kg
CS-1-0.5	0.5	2/5/97	PCB-1254	50	ND		.5	mg/kg
CS-1-0.5	0.5	2/5/97	PCB-1260	50	ND		.5	mg/kg
CS-1-0.5	0.5	2/5/97	pH	NA	5.75		-	pH Units
CS-1-0.5	0.5	2/5/97	Phorate	140	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Ronnel Fenchlorphos	34000	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Stirophos Tetrachlorivinphos	NA	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Thionazin	NA	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Tokuthion Prothiofos	NA	ND		0.03	mg/kg
CS-1-0.5	0.5	2/5/97	Total PCB's (Summation)	50	ND		.5	mg/kg
CS-1-0.5	0.5	2/5/97	Toxaphene	1.7	ND		.1	mg/kg
CS-1-0.5	0.5	2/5/97	Trichloronate	NA	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	4-4-DDD	7.9	ND		.002	mg/kg
CS-2-0.5	0.5	2/5/97	4-4-DDE	5.6	.05	J	.002	mg/kg
CS-2-0.5	0.5	2/5/97	4-4-DDT	5.6	.024	J	.002	mg/kg
CS-2-0.5	0.5	2/5/97	Aldrin	0.11	ND		.002	mg/kg
CS-2-0.5	0.5	2/5/97	alpha-BHC	0.3	ND		.002	mg/kg
CS-2-0.5	0.5	2/5/97	Azinphos methyl	NA	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	beta-BHC	1.1	ND		.002	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CS-2-0.5	0.5	2/5/97	Bolstar	NA	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Chlordane (Technical)	1.5	ND		.1	mg/kg
CS-2-0.5	0.5	2/5/97	Chlorpyrifos	2000	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Coumaphos	NA	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	delta-BHC	NA	ND		.002	mg/kg
CS-2-0.5	0.5	2/5/97	Demeton	27	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Diazinon	610	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Dichlorvos	6.6	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Dieldrin	0.12	ND		.002	mg/kg
CS-2-0.5	0.5	2/5/97	Disulfoton	27	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Endosulfan I	4100	ND		.002	mg/kg
CS-2-0.5	0.5	2/5/97	Endosulfan II	4100	ND		.002	mg/kg
CS-2-0.5	0.5	2/5/97	Endosulfan Sulfate	4100	ND		.002	mg/kg
CS-2-0.5	0.5	2/5/97	Endrin	200	ND		.002	mg/kg
CS-2-0.5	0.5	2/5/97	Endrin Aldehyde	NA	ND		.005	mg/kg
CS-2-0.5	0.5	2/5/97	Ethoprop	NA	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Fensulfothion	NA	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Fenthion	NA	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	gamma-BHC	NA	ND		.002	mg/kg
CS-2-0.5	0.5	2/5/97	Heptachlor	0.42	ND		.002	mg/kg
CS-2-0.5	0.5	2/5/97	Heptachlor epoxide	0.21	ND		.002	mg/kg
CS-2-0.5	0.5	2/5/97	Malathion	14000	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Merphos	20	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Methoxychlor	3400	ND		.002	mg/kg
CS-2-0.5	0.5	2/5/97	Mevinphos	NA	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Naled Dibrom	1400	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Parathion methyl	NA	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	PCB-1016	50	ND		.5	mg/kg
CS-2-0.5	0.5	2/5/97	PCB-1221	50	ND		.5	mg/kg
CS-2-0.5	0.5	2/5/97	PCB-1232	50	ND		.5	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
CS-2-0.5	0.5	2/5/97	PCB-1242	50	ND		.5	mg/kg
CS-2-0.5	0.5	2/5/97	PCB-1248	50	ND		.5	mg/kg
CS-2-0.5	0.5	2/5/97	PCB-1254	50	ND		.5	mg/kg
CS-2-0.5	0.5	2/5/97	PCB-1260	50	ND		.5	mg/kg
CS-2-0.5	0.5	2/5/97	pH	NA	7.28		-	pH Units
CS-2-0.5	0.5	2/5/97	Phorate	140	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Ronnel Fenchlorphos	34000	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Stirophos Tetrachlorivinphos	NA	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Thionazin	NA	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Tokuthion Prothiofos	NA	ND		0.03	mg/kg
CS-2-0.5	0.5	2/5/97	Total PCB's (Summation)	50	ND		.5	mg/kg
CS-2-0.5	0.5	2/5/97	Toxaphene	1.7	ND		.1	mg/kg
CS-2-0.5	0.5	2/5/97	Trichloronate	NA	ND		0.03	mg/kg
CS-2-3	3	2/5/97	4-4-DDD	7.9	ND		0.0002	mg/kg
CS-2-3	3	2/5/97	4-4-DDE	5.6	.0026	J	0.0002	mg/kg
CS-2-3	3	2/5/97	4-4-DDT	5.6	.0021	J	0.0002	mg/kg
CS-2-3	3	2/5/97	Aldrin	0.11	ND		0.0002	mg/kg
CS-2-3	3	2/5/97	alpha-BHC	0.3	ND		0.0002	mg/kg
CS-2-3	3	2/5/97	Azinphos methyl	NA	ND		0.03	mg/kg
CS-2-3	3	2/5/97	beta-BHC	1.1	ND		0.0002	mg/kg
CS-2-3	3	2/5/97	Bolstar	NA	ND		0.03	mg/kg
CS-2-3	3	2/5/97	Chlordane (Technical)	1.5	ND		0.01	mg/kg
CS-2-3	3	2/5/97	Chlorpyrifos	2000	ND		0.03	mg/kg
CS-2-3	3	2/5/97	Coumaphos	NA	ND		0.03	mg/kg
CS-2-3	3	2/5/97	delta-BHC	NA	ND		0.0002	mg/kg
CS-2-3	3	2/5/97	Demeton	27	ND		0.03	mg/kg
CS-2-3	3	2/5/97	Diazinon	610	ND		0.03	mg/kg
CS-2-3	3	2/5/97	Dichlorvos	6.6	ND		0.03	mg/kg
CS-2-3	3	2/5/97	Dieldrin	0.12	ND		0.0002	mg/kg
CS-2-3	3	2/5/97	Disulfoton	27	ND		0.03	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
UST1-15	15	11/1/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
UST1-15	15	11/1/96	TPH (Gasoline)	1000	ND		20.	mg/kg
UST1-15	15	11/1/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
UST1-15	15	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
UST1-15	15	11/1/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
UST1-15	15	11/1/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
UST1-15	15	11/1/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
UST1-15	15	11/1/96	TPH (Kerosene)	1000	ND		10.	mg/kg
UST1-15	15	11/1/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
UST1-15	15	11/1/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
UST1-15	15	11/1/96	TPH (WD 40)	10000	ND		10.	mg/kg
UST2-10	10	11/1/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
UST2-10	10	11/1/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
UST2-10	10	11/1/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
UST2-10	10	11/1/96	TPH (Gasoline)	1000	ND		20.	mg/kg
UST2-10	10	11/1/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
UST2-10	10	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
UST2-10	10	11/1/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
UST2-10	10	11/1/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
UST2-10	10	11/1/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
UST2-10	10	11/1/96	TPH (Kerosene)	1000	ND		10.	mg/kg
UST2-10	10	11/1/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
UST2-10	10	11/1/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
UST2-10	10	11/1/96	TPH (WD 40)	10000	ND		10.	mg/kg
UST2-10	10	11/1/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
UST2-15	15	11/1/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
UST2-15	15	11/1/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
UST2-15	15	11/1/96	TPH (Gasoline)	1000	ND		20.	mg/kg
UST2-15	15	11/1/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
UST2-15	15	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
UST2-15	15	11/1/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
UST2-15	15	11/1/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
UST2-15	15	11/1/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
UST2-15	15	11/1/96	TPH (Kerosene)	1000	ND		10.	mg/kg
UST2-15	15	11/1/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
UST2-15	15	11/1/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
UST2-15	15	11/1/96	TPH (WD 40)	10000	ND		10.	mg/kg
BOILER WASH WATER STORAGE TANK AREA AND UNITS 1 & 2 COOLING TOWER SLUDGE DEWATERING AREA								
BW-1-0.5	0.5	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
BW-1-0.5	0.5	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-1-0.5	0.5	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	Antimony	680	ND		5.0	mg/kg
BW-1-0.5	0.5	10/29/96	Arsenic	2.4	1.1		1.0	mg/kg
BW-1-0.5	0.5	10/29/96	Barium	100000	145		.5	mg/kg
BW-1-0.5	0.5	10/29/96	Benzene	0.077	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	Beryllium	1.1	.27		.13	mg/kg
BW-1-0.5	0.5	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	Bromoform	240	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	Bromomethane	23	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	Cadmium	850	1.1		.12	mg/kg
BW-1-0.5	0.5	10/29/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	Chlorobenzene	220	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	Chromium	450	25		.5	mg/kg
BW-1-0.5	0.5	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
BW-1-0.5	0.5	10/29/96	Cobalt	97000	10		.5	mg/kg
BW-1-0.5	0.5	10/29/96	Copper	63000	29		.5	mg/kg
BW-1-0.5	0.5	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	Lead	1000	6.1		1.0	mg/kg
BW-1-0.5	0.5	10/29/96	Mercury	68	ND		.02	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-1-0.5	0.5	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
BW-1-0.5	0.5	10/29/96	Molybdenum	8500	ND		.5	mg/kg
BW-1-0.5	0.5	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	Nickel	11000	18		.5	mg/kg
BW-1-0.5	0.5	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	Selenium	8500	ND	UJ	1.0	mg/kg
BW-1-0.5	0.5	10/29/96	Silver	8500	ND		.5	mg/kg
BW-1-0.5	0.5	10/29/96	Styrene	680	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	Thallium	120	ND		5.0	mg/kg
BW-1-0.5	0.5	10/29/96	Toluene	4	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
BW-1-0.5	0.5	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
BW-1-0.5	0.5	10/29/96	TPH (Diesel-FFP)	10000	5.5		5.0	mg/kg
BW-1-0.5	0.5	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
BW-1-0.5	0.5	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
BW-1-0.5	0.5	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
BW-1-0.5	0.5	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
BW-1-0.5	0.5	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
BW-1-0.5	0.5	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
BW-1-0.5	0.5	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
BW-1-0.5	0.5	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
BW-1-0.5	0.5	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
BW-1-0.5	0.5	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-1-0.5	0.5	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
BW-1-0.5	0.5	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg
BW-1-0.5	0.5	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	Vanadium	12000	52		.5	mg/kg
BW-1-0.5	0.5	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
BW-1-0.5	0.5	10/29/96	Zinc	100000	69		.5	mg/kg
BW-1-3	3	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
BW-1-3	3	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-1-3	3	10/29/96	Antimony	680	ND		5.0	mg/kg
BW-1-3	3	10/29/96	Arsenic	2.4	ND		1.0	mg/kg
BW-1-3	3	10/29/96	Barium	100000	104		.5	mg/kg
BW-1-3	3	10/29/96	Benzene	0.077	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	Beryllium	1.1	.34		.13	mg/kg
BW-1-3	3	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	Bromoform	240	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	Bromomethane	23	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	Cadmium	850	ND		.12	mg/kg
BW-1-3	3	10/29/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	Chlorobenzene	220	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	Chromium	450	19		.5	mg/kg
BW-1-3	3	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
BW-1-3	3	10/29/96	Cobalt	97000	7.3		.5	mg/kg
BW-1-3	3	10/29/96	Copper	63000	28.		.5	mg/kg
BW-1-3	3	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	Lead	1000	3.5		1.0	mg/kg
BW-1-3	3	10/29/96	Mercury	68	ND		.02	mg/kg
BW-1-3	3	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-1-3	3	10/29/96	Molybdenum	8500	ND		.5	mg/kg
BW-1-3	3	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	Nickel	11000	13.		.5	mg/kg
BW-1-3	3	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	Selenium	8500	ND	UJ	1.0	mg/kg
BW-1-3	3	10/29/96	Silver	8500	ND		.5	mg/kg
BW-1-3	3	10/29/96	Styrene	680	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	Thallium	120	ND		5.0	mg/kg
BW-1-3	3	10/29/96	Toluene	4	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
BW-1-3	3	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
BW-1-3	3	10/29/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
BW-1-3	3	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
BW-1-3	3	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
BW-1-3	3	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
BW-1-3	3	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
BW-1-3	3	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
BW-1-3	3	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
BW-1-3	3	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
BW-1-3	3	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
BW-1-3	3	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
BW-1-3	3	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
BW-1-3	3	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-1-3	3	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
BW-1-3	3	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg
BW-1-3	3	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
BW-1-3	3	10/29/96	Vanadium	12000	42		.5	mg/kg
BW-1-3	3	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	Zinc	100000	49		.5	mg/kg
BW-2-0.5	0.5	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
BW-2-0.5	0.5	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	Antimony	680	ND		5.0	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-2-0.5	0.5	10/29/96	Arsenic	2.4	ND		1.0	mg/kg
BW-2-0.5	0.5	10/29/96	Barium	100000	134		.5	mg/kg
BW-2-0.5	0.5	10/29/96	Benzene	0.077	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	Beryllium	1.1	.24		.13	mg/kg
BW-2-0.5	0.5	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	Bromoform	240	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	Bromomethane	23	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	Cadmium	850	1.2		.12	mg/kg
BW-2-0.5	0.5	10/29/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	Chlorobenzene	220	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	Chromium	450	19		.5	mg/kg
BW-2-0.5	0.5	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
BW-2-0.5	0.5	10/29/96	Cobalt	97000	7.6		.5	mg/kg
BW-2-0.5	0.5	10/29/96	Copper	63000	23		.5	mg/kg
BW-2-0.5	0.5	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	Lead	1000	2.4		1.0	mg/kg
BW-2-0.5	0.5	10/29/96	Mercury	68	ND		.02	mg/kg
BW-2-0.5	0.5	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
BW-2-0.5	0.5	10/29/96	Molybdenum	8500	1.2		.5	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-2-0.5	0.5	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	Nickel	11000	13		.5	mg/kg
BW-2-0.5	0.5	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	Selenium	8500	1.1	UJ	1.0	mg/kg
BW-2-0.5	0.5	10/29/96	Silver	8500	ND		.5	mg/kg
BW-2-0.5	0.5	10/29/96	Styrene	680	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	Thallium	120	ND		5.0	mg/kg
BW-2-0.5	0.5	10/29/96	Toluene	4	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
BW-2-0.5	0.5	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
BW-2-0.5	0.5	10/29/96	TPH (Diesel-FFP)	10000	5.7		5.0	mg/kg
BW-2-0.5	0.5	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
BW-2-0.5	0.5	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
BW-2-0.5	0.5	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
BW-2-0.5	0.5	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
BW-2-0.5	0.5	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
BW-2-0.5	0.5	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
BW-2-0.5	0.5	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
BW-2-0.5	0.5	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
BW-2-0.5	0.5	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
BW-2-0.5	0.5	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
BW-2-0.5	0.5	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-2-0.5	0.5	10/29/96	Trichloroethene	7	.0036	U	0.0020	mg/kg
BW-2-0.5	0.5	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	Vanadium	12000	45		.5	mg/kg
BW-2-0.5	0.5	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
BW-2-0.5	0.5	10/29/96	Zinc	100000	60		.5	mg/kg
BW-2-3	3	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
BW-2-3	3	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	Antimony	680	ND		5.0	mg/kg
BW-2-3	3	10/29/96	Arsenic	2.4	ND		1.0	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-2-3	3	10/29/96	Barium	100000	130		.5	mg/kg
BW-2-3	3	10/29/96	Benzene	0.077	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	Beryllium	1.1	.17		.13	mg/kg
BW-2-3	3	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	Bromoform	240	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	Bromomethane	23	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	Cadmium	850	1.1		.12	mg/kg
BW-2-3	3	10/29/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	Chlorobenzene	220	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	Chromium	450	22		.5	mg/kg
BW-2-3	3	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
BW-2-3	3	10/29/96	Cobalt	97000	8.7		.5	mg/kg
BW-2-3	3	10/29/96	Copper	63000	25		.5	mg/kg
BW-2-3	3	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	Lead	1000	3.8		1.0	mg/kg
BW-2-3	3	10/29/96	Mercury	68	ND		.02	mg/kg
BW-2-3	3	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
BW-2-3	3	10/29/96	Molybdenum	8500	ND		.5	mg/kg
BW-2-3	3	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-2-3	3	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	Nickel	11000	17		.5	mg/kg
BW-2-3	3	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	Selenium	8500	1.1	UJ	1.0	mg/kg
BW-2-3	3	10/29/96	Silver	8500	ND		.5	mg/kg
BW-2-3	3	10/29/96	Styrene	680	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	Thallium	120	ND		5.0	mg/kg
BW-2-3	3	10/29/96	Toluene	4	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
BW-2-3	3	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
BW-2-3	3	10/29/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
BW-2-3	3	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
BW-2-3	3	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
BW-2-3	3	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
BW-2-3	3	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
BW-2-3	3	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
BW-2-3	3	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
BW-2-3	3	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
BW-2-3	3	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
BW-2-3	3	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
BW-2-3	3	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
BW-2-3	3	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
BW-2-3	3	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
BW-2-3	3	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-2-3	3	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	Vanadium	12000	53		.5	mg/kg
BW-2-3	3	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
BW-2-3	3	10/29/96	Zinc	100000	58		.5	mg/kg
BW-3-0.5	0.5	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
BW-3-0.5	0.5	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	Antimony	680	ND		5.0	mg/kg
BW-3-0.5	0.5	10/29/96	Arsenic	2.4	ND		1.0	mg/kg
BW-3-0.5	0.5	10/29/96	Barium	100000	141		.5	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-3-0.5	0.5	10/29/96	Benzene	0.077	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	Beryllium	1.1	.22		.13	mg/kg
BW-3-0.5	0.5	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	Bromoform	240	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	Bromomethane	23	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	Cadmium	850	1.5		.12	mg/kg
BW-3-0.5	0.5	10/29/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	Chlorobenzene	220	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	Chromium	450	20		.5	mg/kg
BW-3-0.5	0.5	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
BW-3-0.5	0.5	10/29/96	Cobalt	97000	8.0		.5	mg/kg
BW-3-0.5	0.5	10/29/96	Copper	63000	25		.5	mg/kg
BW-3-0.5	0.5	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	Lead	1000	4.7		1.0	mg/kg
BW-3-0.5	0.5	10/29/96	Mercury	68	ND		.02	mg/kg
BW-3-0.5	0.5	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
BW-3-0.5	0.5	10/29/96	Molybdenum	8500	ND		.5	mg/kg
BW-3-0.5	0.5	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-3-0.5	0.5	10/29/96	Naphthalene	240	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	Nickel	11000	14		.5	mg/kg
BW-3-0.5	0.5	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	Selenium	8500	1.1	UJ	1.0	mg/kg
BW-3-0.5	0.5	10/29/96	Silver	8500	ND		.5	mg/kg
BW-3-0.5	0.5	10/29/96	Styrene	680	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	Thallium	120	ND		5.0	mg/kg
BW-3-0.5	0.5	10/29/96	Toluene	4	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
BW-3-0.5	0.5	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
BW-3-0.5	0.5	10/29/96	TPH (Diesel-FFP)	10000	6.2		5.0	mg/kg
BW-3-0.5	0.5	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
BW-3-0.5	0.5	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
BW-3-0.5	0.5	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
BW-3-0.5	0.5	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
BW-3-0.5	0.5	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
BW-3-0.5	0.5	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
BW-3-0.5	0.5	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
BW-3-0.5	0.5	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
BW-3-0.5	0.5	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
BW-3-0.5	0.5	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
BW-3-0.5	0.5	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
BW-3-0.5	0.5	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg
BW-3-0.5	0.5	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-3-0.5	0.5	10/29/96	Vanadium	12000	53		.5	mg/kg
BW-3-0.5	0.5	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
BW-3-0.5	0.5	10/29/96	Zinc	100000	67		.5	mg/kg
BW-3-3	3	10/29/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
BW-3-3	3	10/29/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	Antimony	680	ND		5.0	mg/kg
BW-3-3	3	10/29/96	Arsenic	2.4	ND		1.0	mg/kg
BW-3-3	3	10/29/96	Barium	100000	167		.5	mg/kg
BW-3-3	3	10/29/96	Benzene	0.077	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-3-3	3	10/29/96	Beryllium	1.1	.45		.13	mg/kg
BW-3-3	3	10/29/96	Bromobenzene	NA	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	Bromochloromethane	NA	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	Bromoform	240	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	Bromomethane	23	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	Cadmium	850	ND		.12	mg/kg
BW-3-3	3	10/29/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	Chlorobenzene	220	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	Chloroethane	1600	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	Chloroform	0.53	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	Chloromethane	2.6	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	Chromium	450	28.		.5	mg/kg
BW-3-3	3	10/29/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
BW-3-3	3	10/29/96	Cobalt	97000	9.4		.5	mg/kg
BW-3-3	3	10/29/96	Copper	63000	36.		.5	mg/kg
BW-3-3	3	10/29/96	Dibromochloromethane	23	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	Dibromomethane	6800	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	Ethyl Benzene	17	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	Isopropylbenzene	62	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	Lead	1000	3.9		1.0	mg/kg
BW-3-3	3	10/29/96	Mercury	68	ND		.02	mg/kg
BW-3-3	3	10/29/96	Methylene Chloride	18	ND		0.010	mg/kg
BW-3-3	3	10/29/96	Molybdenum	8500	ND		.5	mg/kg
BW-3-3	3	10/29/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	Naphthalene	240	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-3-3	3	10/29/96	Nickel	11000	17		.5	mg/kg
BW-3-3	3	10/29/96	o-Xylene	48	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	p-& m-Xylenes	48	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	Selenium	8500	ND	UJ	1.0	mg/kg
BW-3-3	3	10/29/96	Silver	8500	ND		.5	mg/kg
BW-3-3	3	10/29/96	Styrene	680	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	Tetrachloroethene	17	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	Thallium	120	ND		5.0	mg/kg
BW-3-3	3	10/29/96	Toluene	4	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	TPH (Aviation Gas)	1000	ND		50.	mg/kg
BW-3-3	3	10/29/96	TPH (Crude/Waste Oil)	10000	ND		50.	mg/kg
BW-3-3	3	10/29/96	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
BW-3-3	3	10/29/96	TPH (Gasoline)	1000	ND		20.	mg/kg
BW-3-3	3	10/29/96	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
BW-3-3	3	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
BW-3-3	3	10/29/96	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
BW-3-3	3	10/29/96	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
BW-3-3	3	10/29/96	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
BW-3-3	3	10/29/96	TPH (Kerosene)	1000	ND		10.	mg/kg
BW-3-3	3	10/29/96	TPH (Light Naptha)	1000	ND		50.	mg/kg
BW-3-3	3	10/29/96	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
BW-3-3	3	10/29/96	TPH (WD 40)	10000	ND		10.	mg/kg
BW-3-3	3	10/29/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
BW-3-3	3	10/29/96	Trichloroethene	7	ND		0.0020	mg/kg
BW-3-3	3	10/29/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	Vanadium	12000	53.		.5	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
BW-3-3	3	10/29/96	Vinyl Chloride	0.011	ND		0.0050	mg/kg
BW-3-3	3	10/29/96	Zinc	100000	72		.5	mg/kg
UTILITY POLE STORAGE								
UP-1-0.5	0.5	2/6/97	1,2,4-Trichlorobenzene	5500	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	1,2-Dichlorobenzene	700	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	1,2-Diphenylhydrazine	2.4	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	1,3-Dichlorobenzene	860	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	1,4-Dichlorobenzene	8.5	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	2,4,5-Trichlorophenol	68000	ND		0.2	mg/kg
UP-1-0.5	0.5	2/6/97	2,4,6-Trichlorophenol	170	ND		0.2	mg/kg
UP-1-0.5	0.5	2/6/97	2,4-Dichlorophenol	2000	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	2,4-Dimethylphenol	14000	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	2,4-Dinitrophenol	1400	ND	R	0.5	mg/kg
UP-1-0.5	0.5	2/6/97	2,4-Dinitrotoluene	1400	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	2,6-Dinitrotoluene	680	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	2-Chloronaphthalene	NA	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	2-Chlorophenol	370	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	2-Methyl-4,6-dinitrophenol	NA	ND		0.2	mg/kg
UP-1-0.5	0.5	2/6/97	2-Methylnaphthalene	NA	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	2-Methylphenol	34000	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	2-Naphthylamine	NA	ND	R	1.	mg/kg
UP-1-0.5	0.5	2/6/97	2-Nitroaniline	41	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	2-Nitrophenol	NA	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	3,3-Dichlorobenzidine	4.2	ND		0.2	mg/kg
UP-1-0.5	0.5	2/6/97	3-Nitroaniline	NA	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	4,4-DDD	7.9	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	4,4-DDE	5.6	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	4,4-DDT	5.6	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	4-Bromophenyl-phenyl-ether	NA	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	4-Chloro-3-methylphenol	NA	ND		0.2	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
UP-1-0.5	0.5	2/6/97	4-Chloroaniline	2700	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	4-Chlorophenylphenyl-ether	NA	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	4-Methylphenol	3400	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	4-Nitroaniline	NA	ND		0.2	mg/kg
UP-1-0.5	0.5	2/6/97	4-Nitrophenol	NA	ND		0.2	mg/kg
UP-1-0.5	0.5	2/6/97	Acenaphthene	110	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Acenaphthylene	NA	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Aldrin	0.11	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	alpha-BHC	0.3	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Aniline	200	ND		0.2	mg/kg
UP-1-0.5	0.5	2/6/97	Anthracene	5.7	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Benzidine	0.0083	ND	R	1.	mg/kg
UP-1-0.5	0.5	2/6/97	Benzo-a-anthracene	2.6	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Benzo-a-pyrene	0.26	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Benzo-b-fluoranthene	2.6	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Benzo-ghi-perylene	NA	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Benzo-k-fluoranthene	26	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Benzoic-acid	100000	ND		0.2	mg/kg
UP-1-0.5	0.5	2/6/97	Benzyl-butyl-phthalate	930	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Benzyl alcohol	100000	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	beta-BHC	1.1	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	bis(2-chloro-1-methylethyl) ether	27	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	bis-2-chloroethoxy-methane	NA	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	bis-2-chloroethyl-ether	0.097	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	bis-2-ethylhexyl-phthalate	140	ND		0.2	mg/kg
UP-1-0.5	0.5	2/6/97	Chrysene	7.2	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	delta-BHC	NA	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Di-n-butyl-phthalate	NA	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Di-n-octylphthalate	10000	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Dibenzo (a,h) anthracene	0.26	ND		0.1	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
UP-1-0.5	0.5	2/6/97	Dibenzofuran	140	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Dieldrin	0.12	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Diethyl-phthalate	100000	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Dimethyl-phthalate	100000	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Endosulfan I	4100	ND	R	0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Endosulfan II	4100	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Endosulfan Sulfate	4100	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Endrin	200	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Endrin Aldehyde	NA	ND	UJ	0.50	mg/kg
UP-1-0.5	0.5	2/6/97	Fluoranthene	27000	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Fluorene	90	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	gamma-BHC	NA	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Heptachlor	0.42	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Heptachlor epoxide	0.21	ND	R	0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Hexachlorobenzene	1.2	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Hexachlorobutadiene	24	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Hexachlorocyclopentadiene	4600	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Hexachloroethane	140	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Indeno-1,2,3-cd-pyrene	2.6	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Isophorone	2000	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	N-nitrosodi-n-propylamine	0.27	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	N-Nitrosodimethylamine	0.037	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	N-Nitrosodiphenylamine	390	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Naphthalene	240	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Nitrobenzene	94	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Pentachlorophenol	7.9	ND		0.2	mg/kg
UP-1-0.5	0.5	2/6/97	Phenanthrene	NA	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Phenol	100000	ND		0.1	mg/kg
UP-1-0.5	0.5	2/6/97	Pyrene	100	ND		0.1	mg/kg
UP-1-3	3	2/6/97	1,2,4-Trichlorobenzene	5500	ND		0.1	mg/kg

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
UP-1-3	3	2/6/97	1,2-Dichlorobenzene	700	ND		0.1	mg/kg
UP-1-3	3	2/6/97	1,2-Diphenylhydrazine	2.4	ND		0.1	mg/kg
UP-1-3	3	2/6/97	1,3-Dichlorobenzene	860	ND		0.1	mg/kg
UP-1-3	3	2/6/97	1,4-Dichlorobenzene	8.5	ND		0.1	mg/kg
UP-1-3	3	2/6/97	2,4,5-Trichlorophenol	68000	ND		0.2	mg/kg
UP-1-3	3	2/6/97	2,4,6-Trichlorophenol	170	ND		0.2	mg/kg
UP-1-3	3	2/6/97	2,4-Dichlorophenol	2000	ND		0.1	mg/kg
UP-1-3	3	2/6/97	2,4-Dimethylphenol	14000	ND		0.1	mg/kg
UP-1-3	3	2/6/97	2,4-Dinitrophenol	1400	ND	R	0.5	mg/kg
UP-1-3	3	2/6/97	2,4-Dinitrotoluene	1400	ND		0.1	mg/kg
UP-1-3	3	2/6/97	2,6-Dinitrotoluene	680	ND		0.1	mg/kg
UP-1-3	3	2/6/97	2-Chloronaphthalene	NA	ND		0.1	mg/kg
UP-1-3	3	2/6/97	2-Chlorophenol	370	ND		0.1	mg/kg
UP-1-3	3	2/6/97	2-Methyl-4,6-dinitrophenol	NA	ND		0.2	mg/kg
UP-1-3	3	2/6/97	2-Methylnaphthalene	NA	ND		0.1	mg/kg
UP-1-3	3	2/6/97	2-Methylphenol	34000	ND		0.1	mg/kg
UP-1-3	3	2/6/97	2-Naphthylamine	NA	ND	R	1.	mg/kg
UP-1-3	3	2/6/97	2-Nitroaniline	41	ND		0.1	mg/kg
UP-1-3	3	2/6/97	2-Nitrophenol	NA	ND		0.1	mg/kg
UP-1-3	3	2/6/97	3,3-Dichlorobenzidine	4.2	ND		0.2	mg/kg
UP-1-3	3	2/6/97	3-Nitroaniline	NA	ND		0.1	mg/kg
UP-1-3	3	2/6/97	4,4-DDD	7.9	ND		0.1	mg/kg
UP-1-3	3	2/6/97	4,4-DDE	5.6	ND		0.1	mg/kg
UP-1-3	3	2/6/97	4,4-DDT	5.6	ND		0.1	mg/kg
UP-1-3	3	2/6/97	4-Bromophenyl-phenyl-ether	NA	ND		0.1	mg/kg
UP-1-3	3	2/6/97	4-Chloro-3-methylphenol	NA	ND		0.2	mg/kg
UP-1-3	3	2/6/97	4-Chloroaniline	2700	ND		0.1	mg/kg
UP-1-3	3	2/6/97	4-Chlorophenylphenyl-ether	NA	ND		0.1	mg/kg
UP-1-3	3	2/6/97	4-Methylphenol	3400	ND		0.1	mg/kg
UP-1-3	3	2/6/97	4-Nitroaniline	NA	ND		0.2	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
UP-1-3	3	2/6/97	4-Nitrophenol	NA	ND		0.2	mg/kg
UP-1-3	3	2/6/97	Acenaphthene	110	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Acenaphthylene	NA	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Aldrin	0.11	ND		0.1	mg/kg
UP-1-3	3	2/6/97	alpha-BHC	0.3	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Aniline	200	ND		0.2	mg/kg
UP-1-3	3	2/6/97	Anthracene	5.7	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Benzidine	0.0083	ND	R	1.	mg/kg
UP-1-3	3	2/6/97	Benzo-a-anthracene	2.6	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Benzo-a-pyrene	0.26	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Benzo-b-fluoranthene	2.6	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Benzo-ghi-perylene	NA	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Benzo-k-fluoranthene	26	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Benzoic-acid	100000	ND		0.2	mg/kg
UP-1-3	3	2/6/97	Benzyl-butyl-phthalate	930	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Benzyl alcohol	100000	ND		0.1	mg/kg
UP-1-3	3	2/6/97	beta-BHC	1.1	ND		0.1	mg/kg
UP-1-3	3	2/6/97	bis(2-chloro-1-methylethyl) ether	27	ND		0.1	mg/kg
UP-1-3	3	2/6/97	bis-2-chloroethoxy-methane	NA	ND		0.1	mg/kg
UP-1-3	3	2/6/97	bis-2-chloroethyl-ether	0.097	ND		0.1	mg/kg
UP-1-3	3	2/6/97	bis-2-ethylhexyl-phthalate	140	ND		0.2	mg/kg
UP-1-3	3	2/6/97	Chrysene	7.2	ND		0.1	mg/kg
UP-1-3	3	2/6/97	delta-BHC	NA	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Di-n-butyl-phthalate	NA	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Di-n-octylphthalate	10000	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Dibenzo (a,h) anthracene	0.26	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Dibenzofuran	140	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Dieldrin	0.12	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Diethyl-phthalate	100000	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Dimethyl-phthalate	100000	ND		0.1	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
UP-1-3	3	2/6/97	Endosulfan I	4100	ND	R	0.1	mg/kg
UP-1-3	3	2/6/97	Endosulfan II	4100	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Endosulfan Sulfate	4100	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Endrin	200	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Endrin Aldehyde	NA	ND	UJ	0.50	mg/kg
UP-1-3	3	2/6/97	Fluoranthene	27000	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Fluorene	90	ND		0.1	mg/kg
UP-1-3	3	2/6/97	gamma-BHC	NA	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Heptachlor	0.42	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Heptachlor epoxide	0.21	ND	R	0.1	mg/kg
UP-1-3	3	2/6/97	Hexachlorobenzene	1.2	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Hexachlorobutadiene	24	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Hexachlorocyclopentadiene	4600	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Hexachloroethane	140	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Indeno-1,2,3-cd-pyrene	2.6	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Isophorone	2000	ND		0.1	mg/kg
UP-1-3	3	2/6/97	N-nitrosodi-n-propylamine	0.27	ND		0.1	mg/kg
UP-1-3	3	2/6/97	N-Nitrosodimethylamine	0.037	ND		0.1	mg/kg
UP-1-3	3	2/6/97	N-Nitrosodiphenylamine	390	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Naphthalene	240	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Nitrobenzene	94	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Pentachlorophenol	7.9	ND		0.2	mg/kg
UP-1-3	3	2/6/97	Phenanthrene	NA	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Phenol	100000	ND		0.1	mg/kg
UP-1-3	3	2/6/97	Pyrene	100	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	1,2,4-Trichlorobenzene	5500	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	1,2-Dichlorobenzene	700	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	1,2-Diphenylhydrazine	2.4	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	1,3-Dichlorobenzene	860	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	1,4-Dichlorobenzene	8.5	ND		0.1	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
UP-2-0.5	0.5	2/6/97	2,4,5-Trichlorophenol	68000	ND		0.2	mg/kg
UP-2-0.5	0.5	2/6/97	2,4,6-Trichlorophenol	170	ND		0.2	mg/kg
UP-2-0.5	0.5	2/6/97	2,4-Dichlorophenol	2000	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	2,4-Dimethylphenol	14000	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	2,4-Dinitrophenol	1400	ND	R	0.5	mg/kg
UP-2-0.5	0.5	2/6/97	2,4-Dinitrotoluene	1400	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	2,6-Dinitrotoluene	680	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	2-Chloronaphthalene	NA	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	2-Chlorophenol	370	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	2-Methyl-4,6-dinitrophenol	NA	ND		0.2	mg/kg
UP-2-0.5	0.5	2/6/97	2-Methylnaphthalene	NA	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	2-Methylphenol	34000	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	2-Naphthylamine	NA	ND	R	1	mg/kg
UP-2-0.5	0.5	2/6/97	2-Nitroaniline	41	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	2-Nitrophenol	NA	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	3,3-Dichlorobenzidine	4.2	ND		0.2	mg/kg
UP-2-0.5	0.5	2/6/97	3-Nitroaniline	NA	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	4,4-DDD	7.9	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	4,4-DDE	5.6	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	4,4-DDT	5.6	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	4-Bromophenyl-phenyl-ether	NA	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	4-Chloro-3-methylphenol	NA	ND		0.2	mg/kg
UP-2-0.5	0.5	2/6/97	4-Chloroaniline	2700	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	4-Chlorophenylphenyl-ether	NA	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	4-Methylphenol	3400	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	4-Nitroaniline	NA	ND		0.2	mg/kg
UP-2-0.5	0.5	2/6/97	4-Nitrophenol	NA	ND		0.2	mg/kg
UP-2-0.5	0.5	2/6/97	Acenaphthene	110	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Acenaphthylene	NA	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Aldrin	0.11	ND		0.1	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
UP-2-0.5	0.5	2/6/97	alpha-BHC	0.3	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Aniline	200	ND		0.2	mg/kg
UP-2-0.5	0.5	2/6/97	Anthracene	5.7	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Benzidine	0.0083	ND	R	1.	mg/kg
UP-2-0.5	0.5	2/6/97	Benzo-a-anthracene	2.6	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Benzo-a-pyrene	0.26	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Benzo-b-fluoranthene	2.6	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Benzo-ghi-perylene	NA	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Benzo-k-fluoranthene	26	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Benzoic-acid	100000	ND		0.2	mg/kg
UP-2-0.5	0.5	2/6/97	Benzyl-butyl-phthalate	930	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Benzyl alcohol	100000	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	beta-BHC	1.1	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	bis(2-chloro-1-methylethyl) ether	27	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	bis-2-chloroethoxy-methane	NA	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	bis-2-chloroethyl-ether	0.097	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	bis-2-ethylhexyl-phthalate	140	ND		0.2	mg/kg
UP-2-0.5	0.5	2/6/97	Chrysene	7.2	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	delta-BHC	NA	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Di-n-butyl-phthalate	NA	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Di-n-octylphthalate	10000	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Dibenzo (a,h) anthracene	0.26	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Dibenzofuran	140	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Dieldrin	0.12	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Diethyl-phthalate	100000	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Dimethyl-phthalate	100000	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Endosulfan I	4100	ND	R	0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Endosulfan II	4100	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Endosulfan Sulfate	4100	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Endrin	200	ND		0.1	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
UP-2-0.5	0.5	2/6/97	Endrin Aldehyde	NA	ND	UJ	0.50	mg/kg
UP-2-0.5	0.5	2/6/97	Fluoranthene	27000	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Fluorene	90	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	gamma-BHC	NA	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Heptachlor	0.42	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Heptachlor epoxide	0.21	ND	R	0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Hexachlorobenzene	1.2	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Hexachlorobutadiene	24	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Hexachlorocyclopentadiene	4600	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Hexachloroethane	140	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Indeno-1,2,3-cd-pyrene	2.6	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Isophorone	2000	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	N-nitrosodi-n-propylamine	0.27	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	N-Nitrosodimethylamine	0.037	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	N-Nitrosodiphenylamine	390	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Naphthalene	240	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Nitrobenzene	94	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Pentachlorophenol	7.9	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Phenanthrene	NA	ND		0.2	mg/kg
UP-2-0.5	0.5	2/6/97	Phenol	100000	ND		0.1	mg/kg
UP-2-0.5	0.5	2/6/97	Pyrene	100	ND		0.1	mg/kg
UP-2-3	3	2/6/97	1,2,4-Trichlorobenzene	5500	ND		0.1	mg/kg
UP-2-3	3	2/6/97	1,2-Dichlorobenzene	700	ND		0.1	mg/kg
UP-2-3	3	2/6/97	1,2-Diphenylhydrazine	2.4	ND		0.1	mg/kg
UP-2-3	3	2/6/97	1,3-Dichlorobenzene	860	ND		0.1	mg/kg
UP-2-3	3	2/6/97	1,4-Dichlorobenzene	8.5	ND		0.1	mg/kg
UP-2-3	3	2/6/97	2,4,5-Trichlorophenol	68000	ND		0.2	mg/kg
UP-2-3	3	2/6/97	2,4,6-Trichlorophenol	170	ND		0.2	mg/kg
UP-2-3	3	2/6/97	2,4-Dichlorophenol	2000	ND		0.1	mg/kg
UP-2-3	3	2/6/97	2,4-Dimethylphenol	14000	ND		0.1	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
UP-2-3	3	2/6/97	2,4-Dinitrophenol	1400	ND	R	0.5	mg/kg
UP-2-3	3	2/6/97	2,4-Dinitrotoluene	1400	ND		0.1	mg/kg
UP-2-3	3	2/6/97	2,6-Dinitrotoluene	680	ND		0.1	mg/kg
UP-2-3	3	2/6/97	2-Chloronaphthalene	NA	ND		0.1	mg/kg
UP-2-3	3	2/6/97	2-Chlorophenol	370	ND		0.1	mg/kg
UP-2-3	3	2/6/97	2-Methyl-4,6-dinitrophenol	NA	ND		0.2	mg/kg
UP-2-3	3	2/6/97	2-Methylnaphthalene	NA	ND		0.1	mg/kg
UP-2-3	3	2/6/97	2-Methylphenol	34000	ND		0.1	mg/kg
UP-2-3	3	2/6/97	2-Naphthylamine	NA	ND	R	1.	mg/kg
UP-2-3	3	2/6/97	2-Nitroaniline	41	ND		0.1	mg/kg
UP-2-3	3	2/6/97	2-Nitrophenol	NA	ND		0.1	mg/kg
UP-2-3	3	2/6/97	3,3-Dichlorobenzidine	4.2	ND		0.2	mg/kg
UP-2-3	3	2/6/97	3-Nitroaniline	NA	ND		0.1	mg/kg
UP-2-3	3	2/6/97	4,4-DDD	7.9	ND		0.1	mg/kg
UP-2-3	3	2/6/97	4,4-DDE	5.6	ND		0.1	mg/kg
UP-2-3	3	2/6/97	4,4-DDT	5.6	ND		0.1	mg/kg
UP-2-3	3	2/6/97	4-Bromophenyl-phenyl-ether	NA	ND		0.1	mg/kg
UP-2-3	3	2/6/97	4-Chloro-3-methylphenol	NA	ND		0.2	mg/kg
UP-2-3	3	2/6/97	4-Chloroaniline	2700	ND		0.1	mg/kg
UP-2-3	3	2/6/97	4-Chlorophenylphenyl-ether	NA	ND		0.1	mg/kg
UP-2-3	3	2/6/97	4-Methylphenol	3400	ND		0.1	mg/kg
UP-2-3	3	2/6/97	4-Nitroaniline	NA	ND		0.2	mg/kg
UP-2-3	3	2/6/97	4-Nitrophenol	NA	ND		0.2	mg/kg
UP-2-3	3	2/6/97	Acenaphthene	110	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Acenaphthylene	NA	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Aldrin	0.11	ND		0.1	mg/kg
UP-2-3	3	2/6/97	alpha-BHC	0.3	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Aniline	200	ND		0.2	mg/kg
UP-2-3	3	2/6/97	Anthracene	5.7	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Benzidine	0.0083	ND	R	1.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
UP-2-3	3	2/6/97	Benzo-a-anthracene	2.6	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Benzo-a-pyrene	0.26	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Benzo-b-fluoranthene	2.6	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Benzo-ghi-perylene	NA	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Benzo-k-fluoranthene	26	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Benzoic-acid	100000	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Benzyl-butyl-phthalate	930	ND		0.2	mg/kg
UP-2-3	3	2/6/97	Benzyl alcohol	100000	ND		0.1	mg/kg
UP-2-3	3	2/6/97	beta-BHC	1.1	ND		0.1	mg/kg
UP-2-3	3	2/6/97	bis(2-chloro-1-methylethyl) ether	27	ND		0.1	mg/kg
UP-2-3	3	2/6/97	bis-2-chloroethoxy-methane	NA	ND		0.1	mg/kg
UP-2-3	3	2/6/97	bis-2-chloroethyl-ether	0.097	ND		0.1	mg/kg
UP-2-3	3	2/6/97	bis-2-ethylhexyl-phthalate	140	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Chrysene	7.2	ND		0.2	mg/kg
UP-2-3	3	2/6/97	delta-BHC	NA	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Di-n-butyl-phthalate	NA	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Di-n-octylphthalate	10000	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Dibenzo (a,h) anthracene	0.26	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Dibenzofuran	140	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Dieldrin	0.12	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Diethyl-phthalate	100000	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Dimethyl-phthalate	100000	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Endosulfan I	4100	ND	R	0.1	mg/kg
UP-2-3	3	2/6/97	Endosulfan II	4100	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Endosulfan Sulfate	4100	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Endrin	200	ND	UJ	0.1	mg/kg
UP-2-3	3	2/6/97	Endrin Aldehyde	NA	ND		0.50	mg/kg
UP-2-3	3	2/6/97	Fluoranthene	27000	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Fluorene	90	ND		0.1	mg/kg
			gamma-BHC	NA	ND		0.1	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
UP-2-3	3	2/6/97	Heptachlor	0.42	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Heptachlor epoxide	0.21	ND	R	0.1	mg/kg
UP-2-3	3	2/6/97	Hexachlorobenzene	1.2	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Hexachlorobutadiene	24	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Hexachlorocyclopentadiene	4600	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Hexachloroethane	140	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Indeno-1,2,3-cd-pyrene	2.6	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Isophorone	2000	ND		0.1	mg/kg
UP-2-3	3	2/6/97	N-nitrosodi-n-propylamine	0.27	ND		0.1	mg/kg
UP-2-3	3	2/6/97	N-Nitrosodimethylamine	0.037	ND		0.1	mg/kg
UP-2-3	3	2/6/97	N-Nitrosodiphenylamine	390	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Naphthalene	240	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Nitrobenzene	94	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Pentachlorophenol	7.9	ND		0.2	mg/kg
UP-2-3	3	2/6/97	Phenanthrene	NA	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Phenol	100000	ND		0.1	mg/kg
UP-2-3	3	2/6/97	Pyrene	100	ND		0.1	mg/kg
SECOND SOLID WASTE DISPOSAL AREA (SECOND LANDFILL)								
LF2-1-0.5	0.5	2/6/97	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
LF2-1-0.5	0.5	2/6/97	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-1-0.5	0.5	2/6/97	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	2-Chlorotoluene	NA	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	4-Chlorotoluene	NA	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	Antimony	680	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	Arsenic	2.4	6.5		5.0	mg/kg
LF2-1-0.5	0.5	2/6/97	Barium	100000	133		1.0	mg/kg
LF2-1-0.5	0.5	2/6/97	Benzene	0.077	ND		.5	mg/kg
LF2-1-0.5	0.5	2/6/97	Beryllium	1.1	.31		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	Bromobenzene	NA	ND		.1	mg/kg
LF2-1-0.5	0.5	2/6/97	Bromochloromethane	NA	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	Bromodichloromethane	1.4	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	Bromoform	240	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	Bromomethane	23	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	Cadmium	850	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	Carbon Tetrachloride	0.5	.17		.1	mg/kg
LF2-1-0.5	0.5	2/6/97	Chlorobenzene	220	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	Chloroethane	1600	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	Chloroform	0.53	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	Chloromethane	2.6	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	Chromium	450	30		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	cis-1,2-Dichloroethene	100	ND		.5	mg/kg
			cis-1,3-Dichloropropene	1.2	ND		0.0020	mg/kg
							0.005	mg/kg

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-1-0.5	0.5	2/6/97	Cobalt	97000	12		.5	mg/kg
LF2-1-0.5	0.5	2/6/97	Copper	63000	30		.5	mg/kg
LF2-1-0.5	0.5	2/6/97	Dibromochloromethane	23	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	Dibromomethane	6800	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	Ethyl Benzene	17	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	Hexachlorobutadiene	24	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	Isopropylbenzene	62	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	Lead	1000	25		1.0	mg/kg
LF2-1-0.5	0.5	2/6/97	Mercury	68	.020		.02	mg/kg
LF2-1-0.5	0.5	2/6/97	Methylene Chloride	18	ND		0.010	mg/kg
LF2-1-0.5	0.5	2/6/97	Molybdenum	8500	1.4		.5	mg/kg
LF2-1-0.5	0.5	2/6/97	n-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	n-Propylbenzene	NA	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	Naphthalene	240	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	Nickel	11000	173		.5	mg/kg
LF2-1-0.5	0.5	2/6/97	o-Xylene	48	ND		.002	mg/kg
LF2-1-0.5	0.5	2/6/97	p-& m-Xylenes	48	ND		.002	mg/kg
LF2-1-0.5	0.5	2/6/97	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	sec-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	Selenium	8500	ND		1.0	mg/kg
LF2-1-0.5	0.5	2/6/97	Silver	8500	ND		.5	mg/kg
LF2-1-0.5	0.5	2/6/97	Styrene	680	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	tert-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	Tetrachloroethene	17	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	Thallium	120	ND		5.0	mg/kg
LF2-1-0.5	0.5	2/6/97	Toluene	4	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	TPH (Aviation Gas)	1000	ND	UJ	300	mg/kg
LF2-1-0.5	0.5	2/6/97	TPH (Crude/Waste Oil)	10000	ND	UJ	100	mg/kg
LF2-1-0.5	0.5	2/6/97	TPH (Diesel-FFP)	10000	ND	UJ	50	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-1-0.5	0.5	2/6/97	TPH (Gasoline)	1000	ND	UJ	100	mg/kg
LF2-1-0.5	0.5	2/6/97	TPH (Heavy Naptha)	1000	ND	UJ	50.	mg/kg
LF2-1-0.5	0.5	2/6/97	TPH (Hydraulic Oil / Motor-Oil)	10000	240	J	100	mg/kg
LF2-1-0.5	0.5	2/6/97	TPH (Jet Fuel JP4)	1000	ND	UJ	50	mg/kg
LF2-1-0.5	0.5	2/6/97	TPH (Jet Fuel JP5)	1000	ND	UJ	50	mg/kg
LF2-1-0.5	0.5	2/6/97	TPH (Jet Fuel JP8)	1000	ND	UJ	50	mg/kg
LF2-1-0.5	0.5	2/6/97	TPH (Kerosene)	1000	ND	UJ	50	mg/kg
LF2-1-0.5	0.5	2/6/97	TPH (Light Naptha)	1000	ND	UJ	50	mg/kg
LF2-1-0.5	0.5	2/6/97	TPH (Stoddard Solvent)	1000	ND	UJ	300	mg/kg
LF2-1-0.5	0.5	2/6/97	TPH (WD 40)	10000	ND	UJ	100	mg/kg
LF2-1-0.5	0.5	2/6/97	trans-1,2-Dichloroethene	270	ND		50	mg/kg
LF2-1-0.5	0.5	2/6/97	trans-1,3-Dichloropropene	NA	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	Trichloroethene	7	ND		0.005	mg/kg
LF2-1-0.5	0.5	2/6/97	Trichlorofluoromethane	1300	ND		0.0020	mg/kg
LF2-1-0.5	0.5	2/6/97	Vanadium	12000	291		0.0050	mg/kg
LF2-1-0.5	0.5	2/6/97	Vinyl Chloride	0.011	ND		.5	mg/kg
LF2-1-10	10	2/6/97	Zinc	100000	70		0.0050	mg/kg
LF2-1-10	10	2/6/97	1,1,1,2-Tetrachloroethane	5.4	ND		.5	mg/kg
LF2-1-10	10	2/6/97	1,1,1-Trichloroethane	3000	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	1,1-Dichloroethene	0.08	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	1,1-Dichloropropene	NA	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	1,2,3-Trichlorobenzene	NA	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	1,2,3-Trichloropropane	0.0031	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	1,2,4-Trichlorobenzene	5500	ND		0.010	mg/kg
LF2-1-10	10	2/6/97	1,2,4-Trimethylbenzene	NA	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	1,2-Dibromo-3-chloropropane	1.4	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	1,2-Dibromoethane	0.02	ND		0.0050	mg/kg
							0.0020	mg/kg

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-1-10	10	2/6/97	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	2-Chlorotoluene	NA	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	4-Chlorotoluene	NA	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	Antimony	680	ND		5.0	mg/kg
LF2-1-10	10	2/6/97	Arsenic	2.4	2.0		1.0	mg/kg
LF2-1-10	10	2/6/97	Barium	100000	69		.5	mg/kg
LF2-1-10	10	2/6/97	Benzene	0.077	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	Beryllium	1.1	.29		.1	mg/kg
LF2-1-10	10	2/6/97	Bromobenzene	NA	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	Bromochloromethane	NA	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	Bromodichloromethane	1.4	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	Bromoform	240	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	Bromomethane	23	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	Cadmium	850	.10		.1	mg/kg
LF2-1-10	10	2/6/97	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	Chlorobenzene	220	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	Chloroethane	1600	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	Chloroform	0.53	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	Chloromethane	2.6	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	Chromium	450	17		.5	mg/kg
LF2-1-10	10	2/6/97	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
LF2-1-10	10	2/6/97	Cobalt	97000	4.9		.5	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-1-10	10	2/6/97	Copper	63000	18		.5	mg/kg
LF2-1-10	10	2/6/97	Dibromochloromethane	23	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	Dibromomethane	6800	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	Ethyl Benzene	17	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	Hexachlorobutadiene	24	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	Isopropylbenzene	62	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	Lead	1000	14		1.0	mg/kg
LF2-1-10	10	2/6/97	Mercury	68	ND		.02	mg/kg
LF2-1-10	10	2/6/97	Methylene Chloride	18	ND		0.010	mg/kg
LF2-1-10	10	2/6/97	Molybdenum	8500	ND		.5	mg/kg
LF2-1-10	10	2/6/97	n-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	n-Propylbenzene	NA	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	Naphthalene	240	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	Nickel	11000	37		.5	mg/kg
LF2-1-10	10	2/6/97	o-Xylene	48	ND		.002	mg/kg
LF2-1-10	10	2/6/97	p-& m-Xylenes	48	ND		.002	mg/kg
LF2-1-10	10	2/6/97	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	sec-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	Selenium	8500	ND		1.0	mg/kg
LF2-1-10	10	2/6/97	Silver	8500	ND		.5	mg/kg
LF2-1-10	10	2/6/97	Styrene	680	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	tert-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	Tetrachloroethene	17	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	Thallium	120	ND		5.0	mg/kg
LF2-1-10	10	2/6/97	Toluene	4	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	TPH (Aviation Gas)	1000	ND		50.	mg/kg
LF2-1-10	10	2/6/97	TPH (Crude/Waste Oil)	10000	ND		20.	mg/kg
LF2-1-10	10	2/6/97	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
LF2-1-10	10	2/6/97	TPH (Gasoline)	1000	ND		20.	mg/kg

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-1-10	10	2/6/97	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
LF2-1-10	10	2/6/97	TPH (Hydraulic Oil / Motor-Oil)	10000	35		20.	mg/kg
LF2-1-10	10	2/6/97	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
LF2-1-10	10	2/6/97	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
LF2-1-10	10	2/6/97	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
LF2-1-10	10	2/6/97	TPH (Kerosene)	1000	ND		10.	mg/kg
LF2-1-10	10	2/6/97	TPH (Light Naptha)	1000	ND		50.	mg/kg
LF2-1-10	10	2/6/97	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
LF2-1-10	10	2/6/97	TPH (WD 40)	10000	ND		10.	mg/kg
LF2-1-10	10	2/6/97	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
LF2-1-10	10	2/6/97	Trichloroethene	7	ND		0.0020	mg/kg
LF2-1-10	10	2/6/97	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	Vanadium	12000	66		.5	mg/kg
LF2-1-10	10	2/6/97	Vinyl Chloride	0.011	ND		0.0050	mg/kg
LF2-1-10	10	2/6/97	Zinc	100000	64		.5	mg/kg
LF2-1-5	5	2/6/97	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
LF2-1-5	5	2/6/97	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-1-5	5	2/6/97	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	2-Chlorotoluene	NA	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	4-Chlorotoluene	NA	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	Antimony	680	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	Arsenic	2.4	ND		5.0	mg/kg
LF2-1-5	5	2/6/97	Barium	100000	63		1.0	mg/kg
LF2-1-5	5	2/6/97	Benzene	0.077	ND		.5	mg/kg
LF2-1-5	5	2/6/97	Beryllium	1.1	.27		0.0020	mg/kg
LF2-1-5	5	2/6/97	Bromobenzene	NA	ND		.1	mg/kg
LF2-1-5	5	2/6/97	Bromochloromethane	NA	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	Bromodichloromethane	1.4	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	Bromoform	240	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	Bromomethane	23	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	Cadmium	850	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	Carbon Tetrachloride	0.5	ND		.1	mg/kg
LF2-1-5	5	2/6/97	Chlorobenzene	220	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	Chloroethane	1600	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	Chloroform	0.53	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	Chloromethane	2.6	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	Chromium	450	10		0.0050	mg/kg
LF2-1-5	5	2/6/97	cis-1,2-Dichloroethene	100	ND		.5	mg/kg
LF2-1-5	5	2/6/97	cis-1,3-Dichloropropene	1.2	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	Cobalt	97000	4.4		0.005	mg/kg
LF2-1-5	5	2/6/97	Copper	63000	15		.5	mg/kg
							.5	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-1-5	5	2/6/97	Dibromochloromethane	23	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	Dibromomethane	6800	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	Ethyl Benzene	17	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	Hexachlorobutadiene	24	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	Isopropylbenzene	62	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	Lead	1000	6.2		1.0	mg/kg
LF2-1-5	5	2/6/97	Mercury	68	ND		.02	mg/kg
LF2-1-5	5	2/6/97	Methylene Chloride	18	ND		0.010	mg/kg
LF2-1-5	5	2/6/97	Molybdenum	8500	ND		.5	mg/kg
LF2-1-5	5	2/6/97	n-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	n-Propylbenzene	NA	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	Naphthalene	240	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	Nickel	11000	32		.5	mg/kg
LF2-1-5	5	2/6/97	o-Xylene	48	ND		.002	mg/kg
LF2-1-5	5	2/6/97	p-& m-Xylenes	48	ND		.002	mg/kg
LF2-1-5	5	2/6/97	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	sec-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	Selenium	8500	ND		1.0	mg/kg
LF2-1-5	5	2/6/97	Silver	8500	ND		.5	mg/kg
LF2-1-5	5	2/6/97	Styrene	680	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	tert-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	Tetrachloroethene	17	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	Thallium	120	ND		5.0	mg/kg
LF2-1-5	5	2/6/97	Toluene	4	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	TPH (Aviation Gas)	1000	ND		50.	mg/kg
LF2-1-5	5	2/6/97	TPH (Crude/Waste Oil)	10000	27	U	20.	mg/kg
LF2-1-5	5	2/6/97	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
LF2-1-5	5	2/6/97	TPH (Gasoline)	1000	ND		20.	mg/kg
LF2-1-5	5	2/6/97	TPH (Heavy Naptha)	1000	ND		10.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-1-5	5	2/6/97	TPH (Hydraulic Oil / Motor Oil)	10000	ND		20.	mg/kg
LF2-1-5	5	2/6/97	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
LF2-1-5	5	2/6/97	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
LF2-1-5	5	2/6/97	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
LF2-1-5	5	2/6/97	TPH (Kerosene)	1000	ND		10.	mg/kg
LF2-1-5	5	2/6/97	TPH (Light Naptha)	1000	ND		50.	mg/kg
LF2-1-5	5	2/6/97	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
LF2-1-5	5	2/6/97	TPH (WD 40)	10000	ND		10.	mg/kg
LF2-1-5	5	2/6/97	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
LF2-1-5	5	2/6/97	Trichloroethene	7	ND		0.0020	mg/kg
LF2-1-5	5	2/6/97	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	Vanadium	12000	48		.5	mg/kg
LF2-1-5	5	2/6/97	Vinyl Chloride	0.011	ND		0.0050	mg/kg
LF2-1-5	5	2/6/97	Zinc	100000	44		.5	mg/kg
LF2-2-0.5	0.5	2/6/97	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
LF2-2-0.5	0.5	2/6/97	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg

Analytical Results
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Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-2-0.5	0.5	2/6/97	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	2-Chlorotoluene	NA	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	4-Chlorotoluene	NA	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	Antimony	680	ND		5.0	mg/kg
LF2-2-0.5	0.5	2/6/97	Arsenic	2.4	7.3		2.0	mg/kg
LF2-2-0.5	0.5	2/6/97	Barium	100000	116		.5	mg/kg
LF2-2-0.5	0.5	2/6/97	Benzene	0.077	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	Beryllium	1.1	.46		.26	mg/kg
LF2-2-0.5	0.5	2/6/97	Bromobenzene	NA	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	Bromochloromethane	NA	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	Bromodichloromethane	1.4	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	Bromoform	240	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	Bromomethane	23	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	Cadmium	850	ND		.24	mg/kg
LF2-2-0.5	0.5	2/6/97	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	Chlorobenzene	220	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	Chloroethane	1600	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	Chloroform	0.53	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	Chloromethane	2.6	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	Chromium	450	203		.5	mg/kg
LF2-2-0.5	0.5	2/6/97	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
LF2-2-0.5	0.5	2/6/97	Cobalt	97000	16		.5	mg/kg
LF2-2-0.5	0.5	2/6/97	Copper	63000	145		.56	mg/kg
LF2-2-0.5	0.5	2/6/97	Dibromochloromethane	23	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-2-0.5	0.5	2/6/97	Dibromomethane	6800	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	Ethyl Benzene	17	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	Hexachlorobutadiene	24	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	Isopropylbenzene	62	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	Lead	1000	154		1.0	mg/kg
LF2-2-0.5	0.5	2/6/97	Mercury	68	.077		.02	mg/kg
LF2-2-0.5	0.5	2/6/97	Methylene Chloride	18	ND		0.010	mg/kg
LF2-2-0.5	0.5	2/6/97	Molybdenum	8500	15		.56	mg/kg
LF2-2-0.5	0.5	2/6/97	n-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	n-Propylbenzene	NA	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	Naphthalene	240	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	Nickel	11000	385		.5	mg/kg
LF2-2-0.5	0.5	2/6/97	o-Xylene	48	ND		.002	mg/kg
LF2-2-0.5	0.5	2/6/97	p-& m-Xylenes	48	ND		.002	mg/kg
LF2-2-0.5	0.5	2/6/97	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	sec-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	Selenium	8500	1.9		1.25	mg/kg
LF2-2-0.5	0.5	2/6/97	Silver	8500	ND		.5	mg/kg
LF2-2-0.5	0.5	2/6/97	Styrene	680	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	tert-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	Tetrachloroethene	17	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	Thallium	120	ND		5.0	mg/kg
LF2-2-0.5	0.5	2/6/97	Toluene	4	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	TPH (Aviation Gas)	1000	ND	UJ	500.	mg/kg
LF2-2-0.5	0.5	2/6/97	TPH (Crude/Waste Oil)	10000	2000	U	200.	mg/kg
LF2-2-0.5	0.5	2/6/97	TPH (Diesel-FFP)	10000	ND	UJ	50	mg/kg
LF2-2-0.5	0.5	2/6/97	TPH (Gasoline)	1000	ND	UJ	200.	mg/kg
LF2-2-0.5	0.5	2/6/97	TPH (Heavy Naptha)	1000	ND	UJ	100.	mg/kg
LF2-2-0.5	0.5	2/6/97	TPH (Hydraulic Oil / Motor-Oil)	10000	ND	UJ	200.	mg/kg

Analytical Results
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Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-2-0.5	0.5	2/6/97	TPH (Jet Fuel JP4)	1000	ND	UJ	100.	mg/kg
LF2-2-0.5	0.5	2/6/97	TPH (Jet Fuel JP5)	1000	ND	UJ	100.	mg/kg
LF2-2-0.5	0.5	2/6/97	TPH (Jet Fuel JP8)	1000	ND	UJ	100.	mg/kg
LF2-2-0.5	0.5	2/6/97	TPH (Kerosene)	1000	ND	UJ	100.	mg/kg
LF2-2-0.5	0.5	2/6/97	TPH (Light Naptha)	1000	ND	UJ	500.	mg/kg
LF2-2-0.5	0.5	2/6/97	TPH (Stoddard Solvent)	1000	ND	UJ	200.	mg/kg
LF2-2-0.5	0.5	2/6/97	TPH (WD 40)	10000	ND	UJ	100.	mg/kg
LF2-2-0.5	0.5	2/6/97	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
LF2-2-0.5	0.5	2/6/97	Trichloroethene	7	ND		0.0020	mg/kg
LF2-2-0.5	0.5	2/6/97	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	Vanadium	12000	304		.5	mg/kg
LF2-2-0.5	0.5	2/6/97	Vinyl Chloride	0.011	ND		0.0050	mg/kg
LF2-2-0.5	0.5	2/6/97	Zinc	100000	275		.5	mg/kg
LF2-2-10	10	2/6/97	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
LF2-2-10	10	2/6/97	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-2-10	10	2/6/97	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	2-Chlorotoluene	NA	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	4-Chlorotoluene	NA	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	Antimony	680	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	Arsenic	2.4	ND		5.0	mg/kg
LF2-2-10	10	2/6/97	Barium	100000	75		1.0	mg/kg
LF2-2-10	10	2/6/97	Benzene	0.077	ND		.5	mg/kg
LF2-2-10	10	2/6/97	Beryllium	1.1	.32		0.0020	mg/kg
LF2-2-10	10	2/6/97	Bromobenzene	NA	ND		.1	mg/kg
LF2-2-10	10	2/6/97	Bromochloromethane	NA	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	Bromodichloromethane	1.4	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	Bromoform	240	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	Bromomethane	23	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	Cadmium	850	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	Carbon Tetrachloride	0.5	ND		.1	mg/kg
LF2-2-10	10	2/6/97	Chlorobenzene	220	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	Chloroethane	1600	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	Chloroform	0.53	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	Chloromethane	2.6	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	Chromium	450	15		0.0050	mg/kg
LF2-2-10	10	2/6/97	cis-1,2-Dichloroethene	100	ND		.5	mg/kg
LF2-2-10	10	2/6/97	cis-1,3-Dichloropropene	1.2	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	Cobalt	97000	4.8		0.005	mg/kg
LF2-2-10	10	2/6/97	Copper	63000	16		.5	mg/kg
LF2-2-10	10	2/6/97	Dibromochloromethane	23	ND		.5	mg/kg
LF2-2-10	10	2/6/97	Dibromomethane	6800	ND		0.0020	mg/kg
							0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-2-10	10	2/6/97	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	Ethyl Benzene	17	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	Hexachlorobutadiene	24	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	Isopropylbenzene	62	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	Lead	1000	4.2		1.0	mg/kg
LF2-2-10	10	2/6/97	Mercury	68	ND		.02	mg/kg
LF2-2-10	10	2/6/97	Methylene Chloride	18	ND		0.010	mg/kg
LF2-2-10	10	2/6/97	Molybdenum	8500	ND		.5	mg/kg
LF2-2-10	10	2/6/97	n-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	n-Propylbenzene	NA	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	Naphthalene	240	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	Nickel	11000	17		.5	mg/kg
LF2-2-10	10	2/6/97	o-Xylene	48	ND		.002	mg/kg
LF2-2-10	10	2/6/97	p-& m-Xylenes	48	ND		.002	mg/kg
LF2-2-10	10	2/6/97	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	sec-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	Selenium	8500	ND		1.0	mg/kg
LF2-2-10	10	2/6/97	Silver	8500	ND		.5	mg/kg
LF2-2-10	10	2/6/97	Styrene	680	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	tert-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	Tetrachloroethene	17	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	Thallium	120	ND		5.0	mg/kg
LF2-2-10	10	2/6/97	Toluene	4	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	TPH (Aviation Gas)	1000	ND		50.	mg/kg
LF2-2-10	10	2/6/97	TPH (Crude/Waste Oil)	10000	150	J	20.	mg/kg
LF2-2-10	10	2/6/97	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
LF2-2-10	10	2/6/97	TPH (Gasoline)	1000	ND		20.	mg/kg
LF2-2-10	10	2/6/97	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
LF2-2-10	10	2/6/97	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
LF2-2-10	10	2/6/97	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-2-10	10	2/6/97	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg
LF2-2-10	10	2/6/97	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
LF2-2-10	10	2/6/97	TPH (Kerosene)	1000	ND		10.	mg/kg
LF2-2-10	10	2/6/97	TPH (Light Naptha)	1000	ND		50.	mg/kg
LF2-2-10	10	2/6/97	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
LF2-2-10	10	2/6/97	TPH (WD 40)	10000	ND		10.	mg/kg
LF2-2-10	10	2/6/97	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
LF2-2-10	10	2/6/97	Trichloroethene	7	ND		0.0020	mg/kg
LF2-2-10	10	2/6/97	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
LF2-2-10	10	2/6/97	Vanadium	12000	53		.5	mg/kg
LF2-2-10	10	2/6/97	Vinyl Chloride	0.011	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	Zinc	100000	42		.5	mg/kg
LF2-2-5	5	2/6/97	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
LF2-2-5	5	2/6/97	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-2-5	5	2/6/97	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	2-Chlorotoluene	NA	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	4-Chlorotoluene	NA	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	Antimony	680	ND		5.0	mg/kg
LF2-2-5	5	2/6/97	Arsenic	2.4	1.6		1.0	mg/kg
LF2-2-5	5	2/6/97	Barium	100000	93		.5	mg/kg
LF2-2-5	5	2/6/97	Benzene	0.077	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	Beryllium	1.1	.43		.1	mg/kg
LF2-2-5	5	2/6/97	Bromobenzene	NA	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	Bromochloromethane	NA	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	Bromodichloromethane	1.4	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	Bromoform	240	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	Bromomethane	23	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	Cadmium	850	.14		.1	mg/kg
LF2-2-5	5	2/6/97	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	Chlorobenzene	220	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	Chloroethane	1600	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	Chloroform	0.53	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	Chloromethane	2.6	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	Chromium	450	15		.5	mg/kg
LF2-2-5	5	2/6/97	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	cis-1,3-Dichloropropene	1.2	ND		0.005	mg/kg
LF2-2-5	5	2/6/97	Cobalt	97000	5.5		.5	mg/kg
LF2-2-5	5	2/6/97	Copper	63000	15		.5	mg/kg
LF2-2-5	5	2/6/97	Dibromochloromethane	23	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	Dibromomethane	6800	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	Dichlorodifluoromethane	310	ND		0.0050	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-2-5	5	2/6/97	Ethyl Benzene	17	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	Hexachlorobutadiene	24	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	Isopropylbenzene	62	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	Lead	1000	4.0		1.0	mg/kg
LF2-2-5	5	2/6/97	Mercury	68	ND		.02	mg/kg
LF2-2-5	5	2/6/97	Methylene Chloride	18	ND		0.010	mg/kg
LF2-2-5	5	2/6/97	Molybdenum	8500	ND		.5	mg/kg
LF2-2-5	5	2/6/97	n-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	n-Propylbenzene	NA	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	Naphthalene	240	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	Nickel	11000	16		.5	mg/kg
LF2-2-5	5	2/6/97	o-Xylene	48	ND		0.005	mg/kg
LF2-2-5	5	2/6/97	p-& m-Xylenes	48	ND		0.005	mg/kg
LF2-2-5	5	2/6/97	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	sec-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	Selenium	8500	ND		1.0	mg/kg
LF2-2-5	5	2/6/97	Silver	8500	ND		.5	mg/kg
LF2-2-5	5	2/6/97	Styrene	680	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	tert-Butylbenzene	NA	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	Tetrachloroethene	17	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	Thallium	120	ND		5.0	mg/kg
LF2-2-5	5	2/6/97	Toluene	4	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	TPH (Aviation Gas)	1000	ND		50.	mg/kg
LF2-2-5	5	2/6/97	TPH (Crude/Waste Oil)	10000	28	U	20.	mg/kg
LF2-2-5	5	2/6/97	TPH (Diesel-FFP)	10000	ND		5.0	mg/kg
LF2-2-5	5	2/6/97	TPH (Gasoline)	1000	ND		20.	mg/kg
LF2-2-5	5	2/6/97	TPH (Heavy Naptha)	1000	ND		10.	mg/kg
LF2-2-5	5	2/6/97	TPH (Hydraulic Oil / Motor-Oil)	10000	ND		20.	mg/kg
LF2-2-5	5	2/6/97	TPH (Jet Fuel JP4)	1000	ND		10.	mg/kg
LF2-2-5	5	2/6/97	TPH (Jet Fuel JP5)	1000	ND		10.	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-2-5	5	2/6/97	TPH (Jet Fuel JP8)	1000	ND		10.	mg/kg
LF2-2-5	5	2/6/97	TPH (Kerosene)	1000	ND		10.	mg/kg
LF2-2-5	5	2/6/97	TPH (Light Naptha)	1000	ND		50.	mg/kg
LF2-2-5	5	2/6/97	TPH (Stoddard Solvent)	1000	ND		20.	mg/kg
LF2-2-5	5	2/6/97	TPH (WD 40)	10000	ND		10.	mg/kg
LF2-2-5	5	2/6/97	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
LF2-2-5	5	2/6/97	Trichloroethene	7	ND		0.0020	mg/kg
LF2-2-5	5	2/6/97	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	Vanadium	12000	45		.5	mg/kg
LF2-2-5	5	2/6/97	Vinyl Chloride	0.011	ND		0.0050	mg/kg
LF2-2-5	5	2/6/97	Zinc	100000	42		.5	mg/kg
AGRICULTURAL RESEARCH AREA								
AR-1-0.5	0.5	2/5/97	Antimony	680	ND		5.0	mg/kg
AR-1-0.5	0.5	2/5/97	Arsenic	2.4	1.1		1.0	mg/kg
AR-1-0.5	0.5	2/5/97	Barium	100000	117		.5	mg/kg
AR-1-0.5	0.5	2/5/97	Beryllium	1.1	.36		.1	mg/kg
AR-1-0.5	0.5	2/5/97	Cadmium	850	.44		.1	mg/kg
AR-1-0.5	0.5	2/5/97	Chromium	450	20		.5	mg/kg
AR-1-0.5	0.5	2/5/97	Cobalt	97000	7.2		.5	mg/kg
AR-1-0.5	0.5	2/5/97	Copper	63000	21		.5	mg/kg
AR-1-0.5	0.5	2/5/97	Lead	1000	11		1.0	mg/kg
AR-1-0.5	0.5	2/5/97	Mercury	68	.030		.02	mg/kg
AR-1-0.5	0.5	2/5/97	Molybdenum	8500	ND		.5	mg/kg
AR-1-0.5	0.5	2/5/97	Nickel	11000	17		.5	mg/kg
AR-1-0.5	0.5	2/5/97	Selenium	8500	ND		1.0	mg/kg
AR-1-0.5	0.5	2/5/97	Silver	8500	ND		.5	mg/kg
AR-1-0.5	0.5	2/5/97	Thallium	120	ND		5.0	mg/kg
AR-1-0.5	0.5	2/5/97	Vanadium	12000	48		.5	mg/kg
AR-1-0.5	0.5	2/5/97	Zinc	100000	71		.5	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
AR-1-3	3	2/5/97	Antimony	680	ND		5.0	mg/kg
AR-1-3	3	2/5/97	Arsenic	2.4	ND		1.0	mg/kg
AR-1-3	3	2/5/97	Barium	100000	95		.5	mg/kg
AR-1-3	3	2/5/97	Beryllium	1.1	.29		.1	mg/kg
AR-1-3	3	2/5/97	Cadmium	850	.22		.1	mg/kg
AR-1-3	3	2/5/97	Chromium	450	14		.5	mg/kg
AR-1-3	3	2/5/97	Cobalt	97000	5.5		.5	mg/kg
AR-1-3	3	2/5/97	Copper	63000	14		.5	mg/kg
AR-1-3	3	2/5/97	Lead	1000	1.4		1.0	mg/kg
AR-1-3	3	2/5/97	Mercury	68	ND		.02	mg/kg
AR-1-3	3	2/5/97	Molybdenum	8500	ND		.5	mg/kg
AR-1-3	3	2/5/97	Nickel	11000	9.1		.5	mg/kg
AR-1-3	3	2/5/97	Selenium	8500	ND		1.0	mg/kg
AR-1-3	3	2/5/97	Silver	8500	ND		.5	mg/kg
AR-1-3	3	2/5/97	Thallium	120	ND		5.0	mg/kg
AR-1-3	3	2/5/97	Vanadium	12000	36		.5	mg/kg
AR-2-0.5	0.5	2/5/97	Zinc	100000	38		.5	mg/kg
AR-2-0.5	0.5	2/5/97	Antimony	680	ND		5.0	mg/kg
AR-2-0.5	0.5	2/5/97	Arsenic	2.4	1.2		1.0	mg/kg
AR-2-0.5	0.5	2/5/97	Barium	100000	93		.5	mg/kg
AR-2-0.5	0.5	2/5/97	Beryllium	1.1	.29		.1	mg/kg
AR-2-0.5	0.5	2/5/97	Cadmium	850	.37		.1	mg/kg
AR-2-0.5	0.5	2/5/97	Chromium	450	17		.5	mg/kg
AR-2-0.5	0.5	2/5/97	Cobalt	97000	6.3		.5	mg/kg
AR-2-0.5	0.5	2/5/97	Copper	63000	14		.5	mg/kg
AR-2-0.5	0.5	2/5/97	Lead	1000	19		1.0	mg/kg
AR-2-0.5	0.5	2/5/97	Mercury	68	ND		.02	mg/kg
AR-2-0.5	0.5	2/5/97	Molybdenum	8500	ND		.5	mg/kg
AR-2-0.5	0.5	2/5/97	Nickel	11000	21		.5	mg/kg
AR-2-0.5	0.5	2/5/97	Selenium	8500	ND		1.0	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
AR-2-0.5	0.5	2/5/97	Silver	8500	ND		.5	mg/kg
AR-2-0.5	0.5	2/5/97	Thallium	120	ND		5.0	mg/kg
AR-2-0.5	0.5	2/5/97	Vanadium	12000	48		.5	mg/kg
AR-2-0.5	0.5	2/5/97	Zinc	100000	79		.5	mg/kg
AR-2-3	3	2/5/97	Antimony	680	ND		5.0	mg/kg
AR-2-3	3	2/5/97	Arsenic	2.4	ND		1.0	mg/kg
AR-2-3	3	2/5/97	Barium	100000	110		.5	mg/kg
AR-2-3	3	2/5/97	Beryllium	1.1	.30		.1	mg/kg
AR-2-3	3	2/5/97	Cadmium	850	.24		.1	mg/kg
AR-2-3	3	2/5/97	Chromium	450	16		.5	mg/kg
AR-2-3	3	2/5/97	Cobalt	97000	6.3		.5	mg/kg
AR-2-3	3	2/5/97	Copper	63000	13		.5	mg/kg
AR-2-3	3	2/5/97	Lead	1000	7.6		1.0	mg/kg
AR-2-3	3	2/5/97	Mercury	68	ND		.02	mg/kg
AR-2-3	3	2/5/97	Molybdenum	8500	ND		.5	mg/kg
AR-2-3	3	2/5/97	Nickel	11000	9.8		.5	mg/kg
AR-2-3	3	2/5/97	Selenium	8500	ND		1.0	mg/kg
AR-2-3	3	2/5/97	Silver	8500	ND		.5	mg/kg
AR-2-3	3	2/5/97	Thallium	120	ND		5.0	mg/kg
AR-2-3	3	2/5/97	Vanadium	12000	40		.5	mg/kg
AR-2-3	3	2/5/97	Zinc	100000	44		.5	mg/kg
AR-3-0.5	0.5	2/5/97	Antimony	680	ND		5.0	mg/kg
AR-3-0.5	0.5	2/5/97	Arsenic	2.4	1.1		1.0	mg/kg
AR-3-0.5	0.5	2/5/97	Barium	100000	77		.5	mg/kg
AR-3-0.5	0.5	2/5/97	Beryllium	1.1	.31		.1	mg/kg
AR-3-0.5	0.5	2/5/97	Cadmium	850	.26		.1	mg/kg
AR-3-0.5	0.5	2/5/97	Chromium	450	14		.5	mg/kg
AR-3-0.5	0.5	2/5/97	Cobalt	97000	5.5		.5	mg/kg
AR-3-0.5	0.5	2/5/97	Copper	63000	17		.5	mg/kg
AR-3-0.5	0.5	2/5/97	Lead	1000	15		1.0	mg/kg

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
AR-3-0.5	0.5	2/5/97	Mercury	68	ND		.02	mg/kg
AR-3-0.5	0.5	2/5/97	Molybdenum	8500	ND		.5	mg/kg
AR-3-0.5	0.5	2/5/97	Nickel	11000	34		.5	mg/kg
AR-3-0.5	0.5	2/5/97	Selenium	8500	ND		1.0	mg/kg
AR-3-0.5	0.5	2/5/97	Silver	8500	ND		.5	mg/kg
AR-3-0.5	0.5	2/5/97	Thallium	120	ND		5.0	mg/kg
AR-3-0.5	0.5	2/5/97	Vanadium	12000	57		.5	mg/kg
AR-3-3	3	2/5/97	Zinc	100000	68		.5	mg/kg
AR-3-3	3	2/5/97	Antimony	680	ND		5.0	mg/kg
AR-3-3	3	2/5/97	Arsenic	2.4	1.4		1.0	mg/kg
AR-3-3	3	2/5/97	Barium	100000	93		.5	mg/kg
AR-3-3	3	2/5/97	Beryllium	1.1	.30		.1	mg/kg
AR-3-3	3	2/5/97	Cadmium	850	.23		.1	mg/kg
AR-3-3	3	2/5/97	Chromium	450	14		.5	mg/kg
AR-3-3	3	2/5/97	Cobalt	97000	5.4		.5	mg/kg
AR-3-3	3	2/5/97	Copper	63000	13		.5	mg/kg
AR-3-3	3	2/5/97	Lead	1000	3.5		1.0	mg/kg
AR-3-3	3	2/5/97	Mercury	68	ND		.02	mg/kg
AR-3-3	3	2/5/97	Molybdenum	8500	ND		.5	mg/kg
AR-3-3	3	2/5/97	Nickel	11000	9.5		.5	mg/kg
AR-3-3	3	2/5/97	Selenium	8500	ND		1.0	mg/kg
AR-3-3	3	2/5/97	Silver	8500	ND		.5	mg/kg
AR-3-3	3	2/5/97	Thallium	120	ND		5.0	mg/kg
AR-3-3	3	2/5/97	Vanadium	12000	42		.5	mg/kg
AR-3-3	3	2/5/97	Zinc	100000	41		.5	mg/kg
BLANKS								
COS1-6EB	NA	10/31/96	TPH (Stoddard Solvent)	NA	ND		500.	µg/L
COS1-6EB	NA	10/31/96	TPH (Light Naptha)	NA	ND		1000.	µg/L
COS1-6EB	NA	10/31/96	TPH (Kerosene)	NA	ND		200.	µg/L
COS1-6EB	NA	10/31/96	TPH (Jet Fuel JP8)	NA	ND		200.	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
COS1-6EB	NA	10/31/96	TPH (Jet Fuel JP5)	NA	ND		200.	µg/L
COS1-6EB	NA	10/31/96	TPH (Jet Fuel JP4)	NA	ND		200.	µg/L
COS1-6EB	NA	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	NA	ND		500.	µg/L
COS1-6EB	NA	10/31/96	TPH (Heavy Naptha)	NA	ND		200.	µg/L
COS1-6EB	NA	10/31/96	TPH (Gasoline)	NA	ND		500.	µg/L
COS1-6EB	NA	10/31/96	TPH (Diesel-FFP)	NA	ND		0.2	mg/L
COS1-6EB	NA	10/31/96	TPH (Crude/Waste Oil)	NA	ND		1000.	µg/L
COS1-6EB	NA	10/31/96	TPH (Aviation Gas)	NA	ND		1000.	µg/L
CT3-1-5EB	NA	10/31/96	Total Zinc	NA	ND		0.050	mg/L
CT3-1-5EB	NA	10/31/96	Total Vanadium	NA	ND		0.050	mg/L
CT3-1-5EB	NA	10/31/96	Total Thallium	NA	ND		0.50	mg/L
CT3-1-5EB	NA	10/31/96	Total Silver	NA	ND		0.050	mg/L
CT3-1-5EB	NA	10/31/96	Total Selenium	NA	ND		0.010	mg/L
CT3-1-5EB	NA	10/31/96	Total Nickel	NA	ND		0.050	mg/L
CT3-1-5EB	NA	10/31/96	Total Molybdenum	NA	ND		0.10	mg/L
CT3-1-5EB	NA	10/31/96	Total Mercury	NA	ND		.0002	mg/L
CT3-1-5EB	NA	10/31/96	Total Lead	NA	ND		.005	mg/L
CT3-1-5EB	NA	10/31/96	Total Copper	NA	ND		0.050	mg/L
CT3-1-5EB	NA	10/31/96	Total Cobalt	NA	ND		0.050	mg/L
CT3-1-5EB	NA	10/31/96	Total Chromium	NA	ND		.005	mg/L
CT3-1-5EB	NA	10/31/96	Total Cadmium	NA	ND		.005	mg/L
CT3-1-5EB	NA	10/31/96	Total Beryllium	NA	ND		0.010	mg/L
CT3-1-5EB	NA	10/31/96	Total Barium	NA	ND		0.050	mg/L
CT3-1-5EB	NA	10/31/96	Total Arsenic	NA	ND		0.10	mg/L
CT3-1-5EB	NA	10/31/96	Total Antimony	NA	ND		0.50	mg/L
FBP1-EB	NA	11/1/96	Total Zinc	NA	ND		0.050	mg/L
FBP1-EB	NA	11/1/96	Total Vanadium	NA	ND		0.050	mg/L
FBP1-EB	NA	11/1/96	Total Thallium	NA	ND		0.50	mg/L
FBP1-EB	NA	11/1/96	Total Silver	NA	ND		0.050	mg/L
FBP1-EB	NA	11/1/96	Total Selenium	NA	ND		0.010	mg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
FBP1-EB	NA	11/1/96	Total Nickel	NA	ND		0.050	mg/L
FBP1-EB	NA	11/1/96	Total Molybdenum	NA	ND		0.10	mg/L
FBP1-EB	NA	11/1/96	Total Mercury	NA	ND		.0002	mg/L
FBP1-EB	NA	11/1/96	Total Lead	NA	ND		.005	mg/L
FBP1-EB	NA	11/1/96	Total Copper	NA	ND		0.050	mg/L
FBP1-EB	NA	11/1/96	Total Cobalt	NA	ND		0.050	mg/L
FBP1-EB	NA	11/1/96	Total Chromium	NA	ND		.005	mg/L
FBP1-EB	NA	11/1/96	Total Cadmium	NA	ND		.005	mg/L
FBP1-EB	NA	11/1/96	Total Beryllium	NA	ND		0.010	mg/L
FBP1-EB	NA	11/1/96	Total Barium	NA	ND		0.050	mg/L
FBP1-EB	NA	11/1/96	Total Arsenic	NA	ND		0.10	mg/L
LF2-EB	NA	10/29/96	Total Antimony	NA	ND		0.50	mg/L
LF2-EB	NA	10/29/96	Vinyl Chloride	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Trichlorofluoromethane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Trichloroethene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	trans-1,2-Dichloroethene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	TPH (Stoddard Solvent)	NA	ND		500.	µg/L
LF2-EB	NA	10/29/96	TPH (Light Naptha)	NA	ND		1000.	µg/L
LF2-EB	NA	10/29/96	TPH (Kerosene)	NA	ND		200.	µg/L
LF2-EB	NA	10/29/96	TPH (Jet Fuel JP8)	NA	ND		200.	µg/L
LF2-EB	NA	10/29/96	TPH (Jet Fuel JP5)	NA	ND		200.	µg/L
LF2-EB	NA	10/29/96	TPH (Jet Fuel JP4)	NA	ND		200.	µg/L
LF2-EB	NA	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	NA	ND		500.	µg/L
LF2-EB	NA	10/29/96	TPH (Heavy Naptha)	NA	ND		200.	µg/L
LF2-EB	NA	10/29/96	TPH (Gasoline)	NA	ND		500.	µg/L
LF2-EB	NA	10/29/96	TPH (Diesel-FFP)	NA	ND		0.2	mg/L
LF2-EB	NA	10/29/96	TPH (Crude/Waste Oil)	NA	ND		1000.	µg/L
LF2-EB	NA	10/29/96	TPH (Aviation Gas)	NA	ND		1000.	µg/L
LF2-EB	NA	10/29/96	Total Zinc	NA	ND		0.050	mg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-EB	NA	10/29/96	Total Vanadium	NA	ND		0.050	mg/L
LF2-EB	NA	10/29/96	Total Thallium	NA	ND		0.50	mg/L
LF2-EB	NA	10/29/96	Total Silver	NA	ND		0.050	mg/L
LF2-EB	NA	10/29/96	Total Selenium	NA	ND		0.010	mg/L
LF2-EB	NA	10/29/96	Total Nickel	NA	ND		0.050	mg/L
LF2-EB	NA	10/29/96	Total Molybdenum	NA	ND		0.10	mg/L
LF2-EB	NA	10/29/96	Total Mercury	NA	ND		.0002	mg/L
LF2-EB	NA	10/29/96	Total Lead	NA	ND		.005	mg/L
LF2-EB	NA	10/29/96	Total Copper	NA	ND		0.050	mg/L
LF2-EB	NA	10/29/96	Total Cobalt	NA	ND		0.050	mg/L
LF2-EB	NA	10/29/96	Total Chromium	NA	ND		.005	mg/L
LF2-EB	NA	10/29/96	Total Cadmium	NA	ND		.005	mg/L
LF2-EB	NA	10/29/96	Total Beryllium	NA	ND		0.010	mg/L
LF2-EB	NA	10/29/96	Total Barium	NA	ND		0.050	mg/L
LF2-EB	NA	10/29/96	Total Arsenic	NA	ND		0.10	mg/L
LF2-EB	NA	10/29/96	Toluene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Tetrachloroethene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	tert-Butylbenzene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Styrene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	sec-Butylbenzene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	p-Isopropyltoluene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	p-& m-Xylenes	NA	ND		1.0	µg/L
LF2-EB	NA	10/29/96	o-Xylene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Naphthalene	NA	ND		1.0	µg/L
LF2-EB	NA	10/29/96	n-Propylbenzene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	n-Butylbenzene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Methylene Chloride	NA	ND		1.0	µg/L
LF2-EB	NA	10/29/96	Isopropylbenzene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Hexachlorobutadiene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Ethyl Benzene	NA	ND		0.50	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-EB	NA	10/29/96	Dichlorodifluoromethane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Dibromomethane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Dibromochloromethane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	cis-1,3-Dichloropropene	NA	ND		.5	µg/L
LF2-EB	NA	10/29/96	cis-1,2-Dichloroethene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Chloromethane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Chloroform	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Chloroethane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Chlorobenzene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Carbon Tetrachloride	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Bromomethane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Bromoform	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Bromodichloromethane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Bromochloromethane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Bromobenzene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	Benzene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	2-Chlorotoluene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	2,2-Dichloropropane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	1,4-Dichlorobenzene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	1,3-Dichloropropane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	1,3-Dichlorobenzene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	1,2-Dichloroethane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	1,2-Dichlorobenzene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	1,2-Dibromoethane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	1,2-Dibromo-3-chloropropane	NA	ND		5	µg/L
LF2-EB	NA	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	1,2,4-Trichlorobenzene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	1,2,3-Trichloropropane	NA	ND		1.0	µg/L
LF2-EB	NA	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.50	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
LF2-EB	NA	10/29/96	1,1-Dichloropropene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	1,1-Dichloroethene	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	1,1-Dichloroethane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	1,1,2-Trichloroethane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	1,1,2,2-Tetrachloroethane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	1,1,1-Trichloroethane	NA	ND		0.50	µg/L
LF2-EB	NA	10/29/96	1,1,1,2-Tetrachloroethane	NA	ND		0.50	µg/L
NWFO1-4EB	NA	10/29/96	TPH (Stoddard Solvent)	NA	ND		500.	µg/L
NWFO1-4EB	NA	10/29/96	TPH (Light Naptha)	NA	ND		1000.	µg/L
NWFO1-4EB	NA	10/29/96	TPH (Kerosene)	NA	ND		200.	µg/L
NWFO1-4EB	NA	10/29/96	TPH (Jet Fuel JP8)	NA	ND		200.	µg/L
NWFO1-4EB	NA	10/29/96	TPH (Jet Fuel JP5)	NA	ND		200.	µg/L
NWFO1-4EB	NA	10/29/96	TPH (Jet Fuel JP4)	NA	ND		200.	µg/L
NWFO1-4EB	NA	10/29/96	TPH (Hydraulic Oil / Motor-Oil)	NA	ND		500.	µg/L
NWFO1-4EB	NA	10/29/96	TPH (Heavy Naptha)	NA	ND		200.	µg/L
NWFO1-4EB	NA	10/29/96	TPH (Gasoline)	NA	ND		500.	µg/L
NWFO1-4EB	NA	10/29/96	TPH (Diesel-FFP)	NA	.21		0.2	mg/L
NWFO1-4EB	NA	10/29/96	TPH (Crude/Waste Oil)	NA	ND		1000.	µg/L
NWFO1-4EB	NA	10/29/96	TPH (Aviation Gas)	NA	ND		1000.	µg/L
PB4-7EB	NA	11/1/96	TPH (Stoddard Solvent)	NA	ND		500.	µg/L
PB4-7EB	NA	11/1/96	TPH (Light Naptha)	NA	ND		1000.	µg/L
PB4-7EB	NA	11/1/96	TPH (Kerosene)	NA	ND		200.	µg/L
PB4-7EB	NA	11/1/96	TPH (Jet Fuel JP8)	NA	ND		200.	µg/L
PB4-7EB	NA	11/1/96	TPH (Jet Fuel JP5)	NA	ND		200.	µg/L
PB4-7EB	NA	11/1/96	TPH (Jet Fuel JP4)	NA	ND		200.	µg/L
PB4-7EB	NA	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	NA	ND		500.	µg/L
PB4-7EB	NA	11/1/96	TPH (Heavy Naptha)	NA	ND		200.	µg/L
PB4-7EB	NA	11/1/96	TPH (Gasoline)	NA	ND		500.	µg/L
PB4-7EB	NA	11/1/96	TPH (Diesel-FFP)	NA	ND		0.2	mg/L
PB4-7EB	NA	11/1/96	TPH (Crude/Waste Oil)	NA	ND		1000.	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PB4-7EB	NA	11/1/96	TPH (Aviation Gas)	NA	ND		1000.	µg/L
PB4-7EB	NA	11/1/96	Total Zinc	NA	ND		0.050	mg/L
PB4-7EB	NA	11/1/96	Total Vanadium	NA	ND		0.050	mg/L
PB4-7EB	NA	11/1/96	Total Thallium	NA	ND		0.50	mg/L
PB4-7EB	NA	11/1/96	Total Silver	NA	ND		0.050	mg/L
PB4-7EB	NA	11/1/96	Total Selenium	NA	ND		0.010	mg/L
PB4-7EB	NA	11/1/96	Total Nickel	NA	ND		0.050	mg/L
PB4-7EB	NA	11/1/96	Total Molybdenum	NA	ND		0.10	mg/L
PB4-7EB	NA	11/1/96	Total Mercury	NA	ND		.0002	mg/L
PB4-7EB	NA	11/1/96	Total Lead	NA	ND		.005	mg/L
PB4-7EB	NA	11/1/96	Total Copper	NA	ND		0.050	mg/L
PB4-7EB	NA	11/1/96	Total Cobalt	NA	ND		0.050	mg/L
PB4-7EB	NA	11/1/96	Total Chromium	NA	ND		.005	mg/L
PB4-7EB	NA	11/1/96	Total Cadmium	NA	ND		.005	mg/L
PB4-7EB	NA	11/1/96	Total Beryllium	NA	ND		0.010	mg/L
PB4-7EB	NA	11/1/96	Total Barium	NA	ND		0.050	mg/L
PB4-7EB	NA	11/1/96	Total Arsenic	NA	ND		0.10	mg/L
PB4-7EB	NA	11/1/96	Total Antimony	NA	ND		0.50	mg/L
PBT6-3EB	NA	11/4/96	TPH (Stoddard Solvent)	NA	ND		500.	µg/L
PBT6-3EB	NA	11/4/96	TPH (Light Naptha)	NA	ND		1000.	µg/L
PBT6-3EB	NA	11/4/96	TPH (Kerosene)	NA	ND		200.	µg/L
PBT6-3EB	NA	11/4/96	TPH (Jet Fuel JP8)	NA	ND		200.	µg/L
PBT6-3EB	NA	11/4/96	TPH (Jet Fuel JP5)	NA	ND		200.	µg/L
PBT6-3EB	NA	11/4/96	TPH (Jet Fuel JP4)	NA	ND		200.	µg/L
PBT6-3EB	NA	11/4/96	TPH (Hydraulic Oil / Motor-Oil)	NA	ND		500.	µg/L
PBT6-3EB	NA	11/4/96	TPH (Heavy Naptha)	NA	ND		200.	µg/L
PBT6-3EB	NA	11/4/96	TPH (Gasoline)	NA	ND		500.	µg/L
PBT6-3EB	NA	11/4/96	TPH (Diesel-FFP)	NA	ND		0.2	mg/L
PBT6-3EB	NA	11/4/96	TPH (Crude/Waste Oil)	NA	ND		1000.	µg/L
PBT6-3EB	NA	11/4/96	TPH (Aviation Gas)	NA	ND		1000.	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PBT6-3EB	NA	11/4/96	Total PCBs (Summation)	NA	ND		1.0	µg/L
PBT6-3EB	NA	11/4/96	PCB-1260	NA	ND		1.0	µg/L
PBT6-3EB	NA	11/4/96	PCB-1254	NA	ND		1.0	µg/L
PBT6-3EB	NA	11/4/96	PCB-1248	NA	ND		1.0	µg/L
PBT6-3EB	NA	11/4/96	PCB-1242	NA	ND		1.0	µg/L
PBT6-3EB	NA	11/4/96	PCB-1232	NA	ND		1.0	µg/L
PBT6-3EB	NA	11/4/96	PCB-1221	NA	ND		1.0	µg/L
PL-11-4EB	NA	2/5/97	Vinyl Chloride	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Trichlorofluoromethane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Trichloroethene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	trans-1,3-Dichloropropene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	trans-1,2-Dichloroethene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	TPH (WD 40)	NA	ND		200.	µg/L
PL-11-4EB	NA	2/5/97	TPH (Stoddard Solvent)	NA	ND		200.	µg/L
PL-11-4EB	NA	2/5/97	TPH (Light Naptha)	NA	ND		1000.	µg/L
PL-11-4EB	NA	2/5/97	TPH (Kerosene)	NA	ND		200.	µg/L
PL-11-4EB	NA	2/5/97	TPH (Jet Fuel JP8)	NA	ND		200.	µg/L
PL-11-4EB	NA	2/5/97	TPH (Jet Fuel JP5)	NA	ND		200.	µg/L
PL-11-4EB	NA	2/5/97	TPH (Jet Fuel JP4)	NA	ND		200.	µg/L
PL-11-4EB	NA	2/5/97	TPH (Hydraulic Oil / Motor-Oil)	NA	ND		500.	µg/L
PL-11-4EB	NA	2/5/97	TPH (Heavy Naptha)	NA	ND		200.	µg/L
PL-11-4EB	NA	2/5/97	TPH (Gasoline)	NA	ND		500.	µg/L
PL-11-4EB	NA	2/5/97	TPH (Diesel-FFP)	NA	ND		0.2	mg/L
PL-11-4EB	NA	2/5/97	TPH (Crude/Waste Oil)	NA	ND		500.	µg/L
PL-11-4EB	NA	2/5/97	TPH (Aviation Gas)	NA	ND		1000.	µg/L
PL-11-4EB	NA	2/5/97	Toluene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Tetrachloroethene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	tert-Butylbenzene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Styrene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	sec-Butylbenzene	NA	ND		0.50	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PL-11-4EB	NA	2/5/97	p-Isopropyltoluene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	p+m-Xylene	NA	ND		1.0	µg/L
PL-11-4EB	NA	2/5/97	o-Xylene	NA	ND		.5	µg/L
PL-11-4EB	NA	2/5/97	Naphthalene	NA	ND		1.0	µg/L
PL-11-4EB	NA	2/5/97	n-Propylbenzene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	n-Butylbenzene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Methylene Chloride	NA	ND		1.0	µg/L
PL-11-4EB	NA	2/5/97	Isopropylbenzene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Hexachlorobutadiene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Ethyl Benzene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Dichlorodifluoromethane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Dibromomethane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Dibromochloromethane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	cis-1,3-Dichloropropene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	cis-1,2-Dichloroethene	NA	ND		5.0	µg/L
PL-11-4EB	NA	2/5/97	Chloromethane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Chloroform	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Chloroethane	NA	2.2		0.50	µg/L
PL-11-4EB	NA	2/5/97	Chlorobenzene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Carbon Tetrachloride	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Bromomethane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Bromoform	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Bromodichloromethane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Bromochloromethane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Bromobenzene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	Benzene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	4-Chlorotoluene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	2-Chlorotoluene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	2,2-Dichloropropane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,4-Dichlorobenzene	NA	ND		0.50	µg/L

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PL-11-4EB	NA	2/5/97	1,3-Dichloropropane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,3-Dichlorobenzene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,3,5-Trimethylbenzene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,2-Dichloropropane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,2-Dichloroethane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,2-Dichlorobenzene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,2-Dibromoethane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,2-Dibromo-3-chloropropane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,2,4-Trimethylbenzene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,2,4-Trichlorobenzene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,2,3-Trichloropropane	NA	ND		1.0	µg/L
PL-11-4EB	NA	2/5/97	1,2,3-Trichlorobenzene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,1-Dichloropropene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,1-Dichloroethene	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,1-Dichloroethane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,1,2-Trichloroethane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,1,2,2-Tetrachloroethane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,1,1-Trichloroethane	NA	ND		0.50	µg/L
PL-11-4EB	NA	2/5/97	1,1,1,2-Tetrachloroethane	NA	ND		0.50	µg/L
PL8-5EB	NA	11/1/96	TPH (Stoddard Solvent)	NA	ND		500.	µg/L
PL8-5EB	NA	11/1/96	TPH (Light Naptha)	NA	ND		1000.	µg/L
PL8-5EB	NA	11/1/96	TPH (Kerosene)	NA	ND		200.	µg/L
PL8-5EB	NA	11/1/96	TPH (Jet Fuel JP8)	NA	ND		200.	µg/L
PL8-5EB	NA	11/1/96	TPH (Jet Fuel JP5)	NA	ND		200.	µg/L
PL8-5EB	NA	11/1/96	TPH (Jet Fuel JP4)	NA	ND		200.	µg/L
PL8-5EB	NA	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	NA	ND		500.	µg/L
PL8-5EB	NA	11/1/96	TPH (Heavy Naptha)	NA	ND		200.	µg/L
PL8-5EB	NA	11/1/96	TPH (Gasoline)	NA	ND		500.	µg/L
PL8-5EB	NA	11/1/96	TPH (Diesel-FFP)	NA	ND		0.2	mg/L
PL8-5EB	NA	11/1/96	TPH (Crude/Waste Oil)	NA	ND		1000.	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
PL8-5EB	NA	11/1/96	TPH (Aviation Gas)	NA	ND		1000.	µg/L
PL9-4EB	NA	11/4/96	TPH (Stoddard Solvent)	NA	ND		500.	µg/L
PL9-4EB	NA	11/4/96	TPH (Light Naptha)	NA	ND		1000.	µg/L
PL9-4EB	NA	11/4/96	TPH (Kerosene)	NA	ND		200.	µg/L
PL9-4EB	NA	11/4/96	TPH (Jet Fuel JP8)	NA	ND		200.	µg/L
PL9-4EB	NA	11/4/96	TPH (Jet Fuel JP5)	NA	ND		200.	µg/L
PL9-4EB	NA	11/4/96	TPH (Jet Fuel JP4)	NA	ND		200.	µg/L
PL9-4EB	NA	11/4/96	TPH (Hydraulic Oil / Motor-Oil)	NA	ND		500.	µg/L
PL9-4EB	NA	11/4/96	TPH (Heavy Naptha)	NA	ND		200.	µg/L
PL9-4EB	NA	11/4/96	TPH (Gasoline)	NA	ND		500.	µg/L
PL9-4EB	NA	11/4/96	TPH (Diesel-FFP)	NA	ND		0.2	mg/L
PU2-E	NA	10/31/96	TPH (Crude/Waste Oil)	NA	ND		1000.	µg/L
PU2-E	NA	10/31/96	TPH (Aviation Gas)	NA	ND		1000.	µg/L
PU2-E	NA	10/31/96	TPH (Stoddard Solvent)	NA	ND	UJ	500.	µg/L
PU2-E	NA	10/31/96	TPH (Light Naptha)	NA	ND	UJ	1000.	µg/L
PU2-E	NA	10/31/96	TPH (Kerosene)	NA	ND	UJ	200.	µg/L
PU2-E	NA	10/31/96	TPH (Jet Fuel JP8)	NA	ND	UJ	200.	µg/L
PU2-E	NA	10/31/96	TPH (Jet Fuel JP5)	NA	ND	UJ	200.	µg/L
PU2-E	NA	10/31/96	TPH (Jet Fuel JP4)	NA	ND	UJ	200.	µg/L
PU2-E	NA	10/31/96	TPH (Hydraulic Oil / Motor-Oil)	NA	ND	UJ	500.	µg/L
PU2-E	NA	10/31/96	TPH (Heavy Naptha)	NA	ND	UJ	200.	µg/L
PU2-E	NA	10/31/96	TPH (Gasoline)	NA	ND	UJ	500.	µg/L
PU2-E	NA	10/31/96	TPH (Diesel-FFP)	NA	ND	UJ	0.2	mg/L
PU2-E	NA	10/31/96	TPH (Crude/Waste Oil)	NA	ND	UJ	1000.	µg/L
SA3-2-4EB	NA	10/29/96	TPH (Aviation Gas)	NA	ND	UJ	1000.	µg/L
SA3-2-4EB	NA	10/29/96	Total Zinc	NA	ND		.050	µg/L
SA3-2-4EB	NA	10/29/96	Total Vanadium	NA	ND		.050	µg/L
SA3-2-4EB	NA	10/29/96	Total Thallium	NA	ND		.50	µg/L
SA3-2-4EB	NA	10/29/96	Total Silver	NA	ND		.050	µg/L
			Total Selenium	NA	ND		.010	µg/L

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SA3-2-4EB	NA	10/29/96	Total Nickel	NA	ND		.050	µg/L
SA3-2-4EB	NA	10/29/96	Total Molybdenum	NA	ND		.10	µg/L
SA3-2-4EB	NA	10/29/96	Total Mercury	NA	ND		.0002	µg/L
SA3-2-4EB	NA	10/29/96	Total Lead	NA	ND		.005	µg/L
SA3-2-4EB	NA	10/29/96	Total Copper	NA	ND		.050	µg/L
SA3-2-4EB	NA	10/29/96	Total Cobalt	NA	ND		.050	µg/L
SA3-2-4EB	NA	10/29/96	Total Chromium	NA	ND		.005	µg/L
SA3-2-4EB	NA	10/29/96	Total Cadmium	NA	ND		.005	µg/L
SA3-2-4EB	NA	10/29/96	Total Beryllium	NA	ND		.010	µg/L
SA3-2-4EB	NA	10/29/96	Total Barium	NA	ND		.050	µg/L
SA3-2-4EB	NA	10/29/96	Total Arsenic	NA	ND		.10	µg/L
SA3-2-4EB	NA	10/29/96	Total Antimony	NA	ND		.50	µg/L
SD-2-0.5EB	NA	2/6/97	Vinyl Chloride	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Trichlorofluoromethane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Trichloroethene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	trans-1,3-Dichloropropene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	trans-1,2-Dichloroethene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	TPH (WD 40)	NA	ND		200.	µg/L
SD-2-0.5EB	NA	2/6/97	TPH (Stoddard Solvent)	NA	ND		200.	µg/L
SD-2-0.5EB	NA	2/6/97	TPH (Light Naptha)	NA	ND		1000.	µg/L
SD-2-0.5EB	NA	2/6/97	TPH (Kerosene)	NA	ND		200.	µg/L
SD-2-0.5EB	NA	2/6/97	TPH (Jet Fuel JP8)	NA	ND		200.	µg/L
SD-2-0.5EB	NA	2/6/97	TPH (Jet Fuel JP5)	NA	ND		200.	µg/L
SD-2-0.5EB	NA	2/6/97	TPH (Jet Fuel JP4)	NA	ND		200.	µg/L
SD-2-0.5EB	NA	2/6/97	TPH (Hydraulic Oil / Motor-Oil)	NA	ND		500.	µg/L
SD-2-0.5EB	NA	2/6/97	TPH (Heavy Naptha)	NA	ND		200.	µg/L
SD-2-0.5EB	NA	2/6/97	TPH (Gasoline)	NA	ND		500.	µg/L
SD-2-0.5EB	.5EB	2/6/97	TPH (Diesel-FFP)	10000	ND		0.2	mg/L
SD-2-0.5EB	NA	2/6/97	TPH (Crude/Waste Oil)	NA	ND		500.	µg/L
SD-2-0.5EB	NA	2/6/97	TPH (Aviation Gas)	NA	ND		1000.	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-2-0.5EB	NA	2/6/97	Total Zinc	NA	ND		0.050	mg/L
SD-2-0.5EB	NA	2/6/97	Total Vanadium	NA	ND		0.050	mg/L
SD-2-0.5EB	NA	2/6/97	Total Thallium	NA	ND		1	µg/L
SD-2-0.5EB	NA	2/6/97	Total Silver	NA	ND		0.050	mg/L
SD-2-0.5EB	NA	2/6/97	Total Selenium	NA	ND		2.	µg/L
SD-2-0.5EB	NA	2/6/97	Total Nickel	NA	ND		0.050	mg/L
SD-2-0.5EB	NA	2/6/97	Total Molybdenum	NA	ND		0.10	mg/L
SD-2-0.5EB	NA	2/6/97	Total Mercury	NA	ND		.0002	mg/L
SD-2-0.5EB	NA	2/6/97	Total Lead	NA	ND		5.	µg/L
SD-2-0.5EB	NA	2/6/97	Total Copper	NA	ND		0.050	mg/L
SD-2-0.5EB	NA	2/6/97	Total Cobalt	NA	ND		0.050	mg/L
SD-2-0.5EB	NA	2/6/97	Total Chromium	NA	ND		.01	mg/L
SD-2-0.5EB	NA	2/6/97	Total Cadmium	NA	ND		.005	mg/L
SD-2-0.5EB	NA	2/6/97	Total Beryllium	NA	ND		0.010	mg/L
SD-2-0.5EB	NA	2/6/97	Total Barium	NA	ND		0.050	mg/L
SD-2-0.5EB	NA	2/6/97	Total Arsenic	NA	ND		2.	µg/L
SD-2-0.5EB	NA	2/6/97	Total Antimony	NA	ND		0.50	mg/L
SD-2-0.5EB	NA	2/6/97	Toluene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Tetrachloroethene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	tert-Butylbenzene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Styrene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	sec-Butylbenzene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	p-Isopropyltoluene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	p-& m-Xylenes	NA	ND		1.0	µg/L
SD-2-0.5EB	NA	2/6/97	o-Xylene	NA	ND		0.5	µg/L
SD-2-0.5EB	NA	2/6/97	Naphthalene	NA	ND		1.0	µg/L
SD-2-0.5EB	NA	2/6/97	n-Propylbenzene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	n-Butylbenzene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Methylene Chloride	NA	ND		1.0	µg/L
SD-2-0.5EB	NA	2/6/97	Isopropylbenzene	NA	ND		0.50	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-2-0.5EB	NA	2/6/97	Hexachlorobutadiene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Ethyl Benzene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Dichlorodifluoromethane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Dibromomethane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Dibromochloromethane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	cis-1,3-Dichloropropene	NA	ND		5.0	µg/L
SD-2-0.5EB	NA	2/6/97	cis-1,2-Dichloroethene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Chloromethane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Chloroform	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Chloroethane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Chlorobenzene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Carbon Tetrachloride	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Bromomethane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Bromoform	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Bromodichloromethane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Bromochloromethane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Bromobenzene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	Benzene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	4-Chlorotoluene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	2-Chlorotoluene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	2,2-Dichloropropane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,4-Dichlorobenzene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,3-Dichloropropane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,3-Dichlorobenzene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,3,5-Trimethylbenzene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,2-Dichloropropane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,2-Dichloroethane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,2-Dichlorobenzene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,2-Dibromoethane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,2-Dibromo-3-chloropropane	NA	ND		0.50	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
SD-2-0.5EB	NA	2/6/97	1,2,4-Trimethylbenzene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,2,4-Trichlorobenzene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,2,3-Trichloropropane	NA	ND		1.0	µg/L
SD-2-0.5EB	NA	2/6/97	1,2,3-Trichlorobenzene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,1-Dichloropropene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,1-Dichloroethene	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,1-Dichloroethane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,1,2-Trichloroethane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,1,2,2-Tetrachloroethane	NA	ND		0.50	µg/L
SD-2-0.5EB	NA	2/6/97	1,1,1-Trichloroethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,1,1,2-Tetrachloroethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Vinyl Chloride	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Trichlorofluoromethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Trichloroethene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	trans-1,3-Dichloropropene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	trans-1,2-Dichloroethene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Toluene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Tetrachloroethene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	tert-Butylbenzene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Styrene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	sec-Butylbenzene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	p-Isopropyltoluene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	p-& m-Xylenes	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	o-Xylene	NA	ND		1.0	µg/L
TB020697	NA	2/6/97	Naphthalene	NA	ND		0.5	µg/L
TB020697	NA	2/6/97	n-Propylbenzene	NA	ND		1.0	µg/L
TB020697	NA	2/6/97	n-Butylbenzene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Methylene Chloride	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Isopropylbenzene	NA	ND		1.0	µg/L
TB020697	NA	2/6/97	Hexachlorobutadiene	NA	ND		0.50	µg/L

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Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
TB020697	NA	2/6/97	Ethyl Benzene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Dichlorodifluoromethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Dibromomethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Dibromochloromethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	cis-1,3-Dichloropropene	NA	ND		5.0	µg/L
TB020697	NA	2/6/97	cis-1,2-Dichloroethene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Chloromethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Chloroform	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Chloroethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Chlorobenzene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Carbon Tetrachloride	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Bromomethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Bromoform	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Bromodichloromethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Bromochloromethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Bromobenzene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	Benzene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	4-Chlorotoluene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	2-Chlorotoluene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	2,2-Dichloropropane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,4-Dichlorobenzene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,3-Dichloropropane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,3-Dichlorobenzene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,3,5-Trimethylbenzene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,2-Dichloropropane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,2-Dichloroethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,2-Dichlorobenzene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,2-Dibromoethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,2-Dibromo-3-chloropropane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,2,4-Trimethylbenzene	NA	ND		0.50	µg/L

Figures

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
TB020697	NA	2/6/97	1,2,4-Trichlorobenzene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,2,3-Trichloropropane	NA	ND		1.0	µg/L
TB020697	NA	2/6/97	1,2,3-Trichlorobenzene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,1-Dichloropropene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,1-Dichloroethene	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,1-Dichloroethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,1,2-Trichloroethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,1,2,2-Tetrachloroethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,1,1-Trichloroethane	NA	ND		0.50	µg/L
TB020697	NA	2/6/97	1,1,1,2-Tetrachloroethane	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Vinyl Chloride	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Trichlorofluoromethane	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Trichloroethene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	trans-1,3-Dichloropropene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Toluene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Tetrachloroethene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	tert-Butylbenzene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Styrene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	sec-Butylbenzene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	p-Isopropyltoluene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	p-& m-Xylenes	NA	ND		1.0	µg/L
TB102996-1	NA	10/29/96	o-Xylene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Naphthalene	NA	ND		1.0	µg/L
TB102996-1	NA	10/29/96	n-Propylbenzene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	n-Butylbenzene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Methylene Chloride	NA	ND		1.0	µg/L
TB102996-1	NA	10/29/96	Isopropylbenzene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Hexachlorobutadiene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Ethyl Benzene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Dichlorodifluoromethane	NA	ND		0.50	µg/L

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
TB102996-1	NA	10/29/96	Dibromomethane	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Dibromochloromethane	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	cis-1,3-Dichloropropene	NA	ND		.5	µg/L
TB102996-1	NA	10/29/96	cis-1,2-Dichloroethene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Chloromethane	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Chloroform	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Chloroethane	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Chlorobenzene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Carbon Tetrachloride	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Bromomethane	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Bromoform	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Bromodichloromethane	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Bromochloromethane	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Bromobenzene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	Benzene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	2-Chlorotoluene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	2,2-Dichloropropane	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	1,4-Dichlorobenzene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	1,3-Dichloropropane	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	1,3-Dichlorobenzene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	1,3,5-Trimethylbenzene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	1,2-Dichloroethane	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	1,2-Dichlorobenzene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	1,2-Dibromoethane	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	1,2-Dibromo-3-chloropropane	NA	ND		5	µg/L
TB102996-1	NA	10/29/96	1,2,4-Trimethylbenzene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	1,2,4-Trichlorobenzene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	1,2,3-Trichloropropane	NA	ND		1.0	µg/L
TB102996-1	NA	10/29/96	1,2,3-Trichlorobenzene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	1,1-Dichloropropene	NA	ND		0.50	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
TB102996-1	NA	10/29/96	1,1-Dichloroethene	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	1,1-Dichloroethane	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	1,1,2-Trichloroethane	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	1,1,2,2-Tetrachloroethane	NA	ND		0.50	µg/L
TB102996-1	NA	10/29/96	1,1,1-Trichloroethane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	1,1,1,2-Tetrachloroethane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Vinyl Chloride	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Trichlorofluoromethane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Trichloroethene	NA	10		0.50	µg/L
TB102996-2	NA	10/24/96	trans-1,3-Dichloropropene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Toluene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Tetrachloroethene	NA	.67		0.50	µg/L
TB102996-2	NA	10/24/96	tert-Butylbenzene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Styrene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	sec-Butylbenzene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	p-Isopropyltoluene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	p-& m-Xylenes	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	o-Xylene	NA	ND		1.0	µg/L
TB102996-2	NA	10/24/96	Naphthalene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	n-Propylbenzene	NA	ND		1.0	µg/L
TB102996-2	NA	10/24/96	n-Butylbenzene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Methylene Chloride	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Isopropylbenzene	NA	ND		1.0	µg/L
TB102996-2	NA	10/24/96	Hexachlorobutadiene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Ethyl Benzene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Dichlorodifluoromethane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Dibromomethane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Dibromochloromethane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	cis-1,3-Dichloropropene	NA	ND		.5	µg/L
TB102996-2	NA	10/24/96	cis-1,2-Dichloroethene	NA	ND		0.50	µg/L

Analytical Results
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Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
TB102996-2	NA	10/24/96	Chloromethane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Chloroform	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Chloroethane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Chlorobenzene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Carbon Tetrachloride	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Bromomethane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Bromoform	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Bromodichloromethane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Bromochloromethane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Bromobenzene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	Benzene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	2-Chlorotoluene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	2,2-Dichloropropane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	1,4-Dichlorobenzene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	1,3-Dichloropropane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	1,3-Dichlorobenzene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	1,3,5-Trimethylbenzene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	1,2-Dichloroethane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	1,2-Dichlorobenzene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	1,2-Dibromoethane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	1,2-Dibromo-3-chloropropane	NA	ND		5	µg/L
TB102996-2	NA	10/24/96	1,2,4-Trimethylbenzene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	1,2,4-Trichlorobenzene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	1,2,3-Trichloropropane	NA	ND		1.0	µg/L
TB102996-2	NA	10/24/96	1,2,3-Trichlorobenzene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	1,1-Dichloropropene	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	1,1-Dichloroethene	NA	.96		0.50	µg/L
TB102996-2	NA	10/24/96	1,1-Dichloroethane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	1,1,2-Trichloroethane	NA	ND		0.50	µg/L
TB102996-2	NA	10/24/96	1,1,2,2-Tetrachloroethane	NA	ND		0.50	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
TB102996-2	NA	10/24/96	1,1,1-Trichloroethane	NA	1.3		0.50	µg/L
TB102996-2	NA	10/24/96	1,1,1,2-Tetrachloroethane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Vinyl Chloride	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Trichlorofluoromethane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Trichloroethene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	trans-1,3-Dichloropropene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Toluene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Tetrachloroethene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	tert-Butylbenzene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Styrene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	sec-Butylbenzene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	p-Isopropyltoluene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	p-& m-Xylenes	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	o-Xylene	NA	ND		1.0	µg/L
TB103196-1	NA	10/31/96	Naphthalene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	n-Propylbenzene	NA	ND		1.0	µg/L
TB103196-1	NA	10/31/96	n-Butylbenzene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Methylene Chloride	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Isopropylbenzene	NA	ND		1.0	µg/L
TB103196-1	NA	10/31/96	Hexachlorobutadiene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Ethyl Benzene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Dichlorodifluoromethane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Dibromomethane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Dibromochloromethane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	cis-1,3-Dichloropropene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	cis-1,2-Dichloroethene	NA	ND		.5	µg/L
TB103196-1	NA	10/31/96	Chloromethane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Chloroform	NA	1.1		0.50	µg/L
TB103196-1	NA	10/31/96	Chloroethane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Chlorobenzene	NA	ND		0.50	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
TB103196-1	NA	10/31/96	Carbon Tetrachloride	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Bromomethane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Bromoform	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Bromodichloromethane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Bromochloromethane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Bromobenzene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	Benzene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	2-Chlorotoluene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	2,2-Dichloropropane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,4-Dichlorobenzene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,3-Dichloropropane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,3-Dichlorobenzene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,3,5-Trimethylbenzene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,2-Dichloroethane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,2-Dichlorobenzene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,2-Dibromoethane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,2-Dibromo-3-chloropropane	NA	ND		5	µg/L
TB103196-1	NA	10/31/96	1,2,4-Trimethylbenzene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,2,4-Trichlorobenzene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,2,3-Trichloropropane	NA	ND		1.0	µg/L
TB103196-1	NA	10/31/96	1,2,3-Trichlorobenzene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,1-Dichloropropene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,1-Dichloroethene	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,1-Dichloroethane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,1,2-Trichloroethane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,1,2,2-Tetrachloroethane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,1,1-Trichloroethane	NA	ND		0.50	µg/L
TB103196-1	NA	10/31/96	1,1,1,2-Tetrachloroethane	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Vinyl Chloride	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Trichlorofluoromethane	NA	ND		0.50	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
TB103196-2	NA	10/22/96	Trichloroethene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	trans-1,3-Dichloropropene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Toluene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Tetrachloroethene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	tert-Butylbenzene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Styrene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	sec-Butylbenzene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	p-Isopropyltoluene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	p-& m-Xylenes	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	o-Xylene	NA	ND		1.0	µg/L
TB103196-2	NA	10/22/96	Naphthalene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	n-Propylbenzene	NA	ND		1.0	µg/L
TB103196-2	NA	10/22/96	n-Butylbenzene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Methylene Chloride	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Isopropylbenzene	NA	ND		1.0	µg/L
TB103196-2	NA	10/22/96	Hexachlorobutadiene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Ethyl Benzene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Dichlorodifluoromethane	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Dibromomethane	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Dibromochloromethane	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	cis-1,3-Dichloropropene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	cis-1,2-Dichloroethene	NA	ND		.5	µg/L
TB103196-2	NA	10/22/96	Chloromethane	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Chloroform	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Chloroethane	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Chlorobenzene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Carbon Tetrachloride	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Bromomethane	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Bromoform	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Bromodichloromethane	NA	ND		0.50	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
TB103196-2	NA	10/22/96	Bromochloromethane	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Bromobenzene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	Benzene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	2-Chlorotoluene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	2,2-Dichloropropane	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,4-Dichlorobenzene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,3-Dichloropropane	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,3-Dichlorobenzene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,3,5-Trimethylbenzene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,2-Dichloroethane	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,2-Dichlorobenzene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,2-Dibromoethane	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,2-Dibromo-3-chloropropane	NA	ND		5	µg/L
TB103196-2	NA	10/22/96	1,2,4-Trimethylbenzene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,2,4-Trichlorobenzene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,2,3-Trichloropropane	NA	ND		1.0	µg/L
TB103196-2	NA	10/22/96	1,2,3-Trichlorobenzene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,1-Dichloropropene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,1-Dichloroethene	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,1-Dichloroethane	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,1,2-Trichloroethane	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,1,2,2-Tetrachloroethane	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,1,1-Trichloroethane	NA	ND		0.50	µg/L
TB103196-2	NA	10/22/96	1,1,1,2-Tetrachloroethane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Vinyl Chloride	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Trichlorofluoromethane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Trichloroethene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	trans-1,3-Dichloropropene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	trans-1,2-Dichloroethene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Toluene	NA	ND		0.50	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

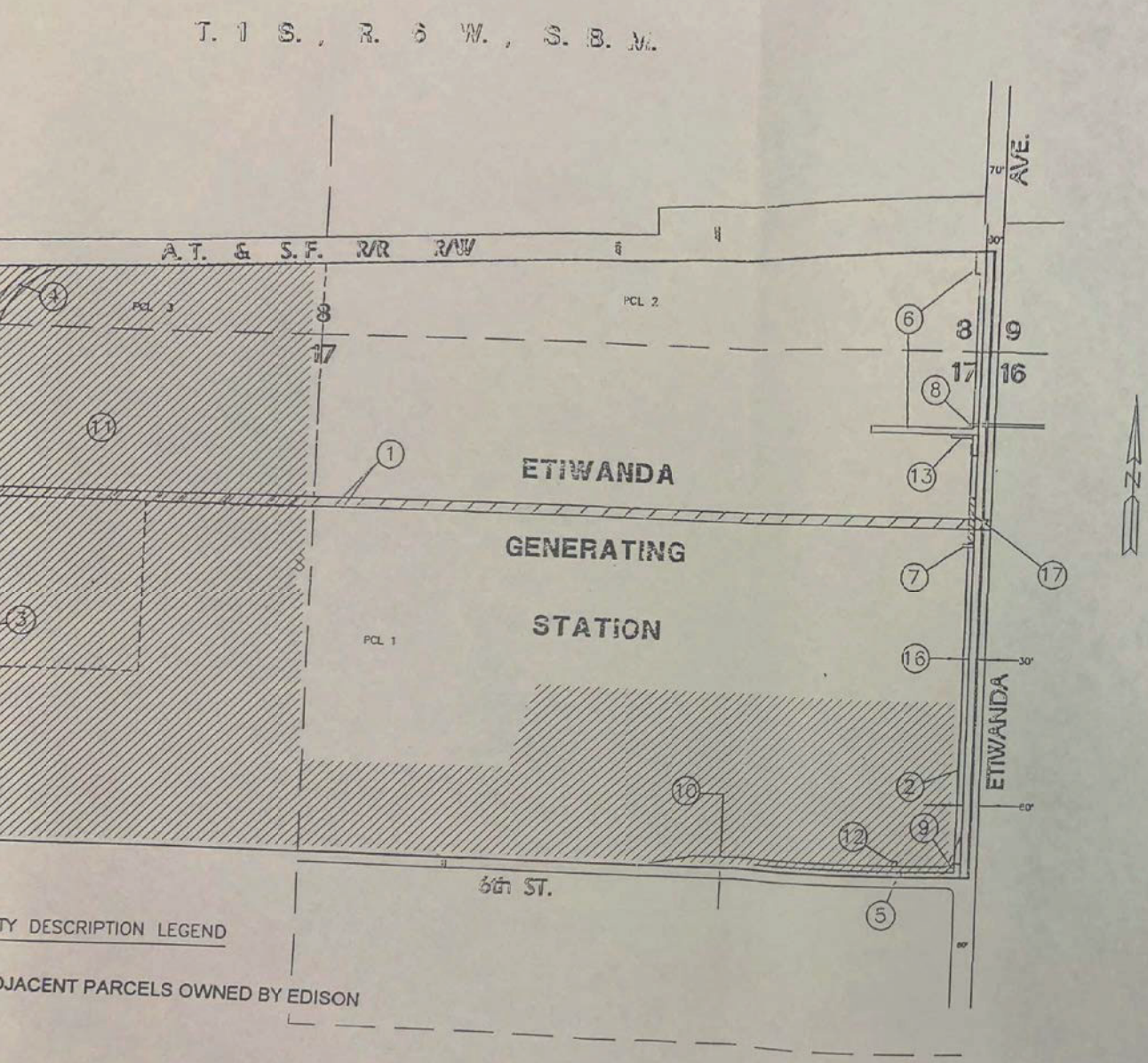
Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
TB13097	NA	2/5/97	Tetrachloroethene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	tert-Butylbenzene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Styrene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	sec-Butylbenzene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	p-Isopropyltoluene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	p+m-Xylene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	o-Xylene	NA	ND		1.0	µg/L
TB13097	NA	2/5/97	Naphthalene	NA	ND		.5	µg/L
TB13097	NA	2/5/97	n-Propylbenzene	NA	ND		1.0	µg/L
TB13097	NA	2/5/97	n-Butylbenzene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Methylene Chloride	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Isopropylbenzene	NA	ND		1.0	µg/L
TB13097	NA	2/5/97	Hexachlorobutadiene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Ethyl Benzene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Dichlorodifluoromethane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Dibromomethane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Dibromochloromethane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	cis-1,3-Dichloropropene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	cis-1,2-Dichloroethene	NA	ND		5.0	µg/L
TB13097	NA	2/5/97	Chloromethane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Chloroform	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Chloroethane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Chlorobenzene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Carbon Tetrachloride	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Bromomethane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Bromoform	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Bromodichloromethane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Bromochloromethane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Bromobenzene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	Benzene	NA	ND		0.50	µg/L

Table 4B

Analytical Results
Etiwanda Generating Station

Sample ID	Sample Depth	Sample Date	Analyte	Soil Screening Criteria	Result	Flag	PQL	Units
TB13097	NA	2/5/97	4-Chlorotoluene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	2-Chlorotoluene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	2,2-Dichloropropane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,4-Dichlorobenzene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,3-Dichloropropane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,3-Dichlorobenzene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,3,5-Trimethylbenzene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,2-Dichloropropane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,2-Dichloroethane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,2-Dichlorobenzene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,2-Dibromoethane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,2-Dibromo-3-chloropropane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,2,4-Trimethylbenzene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,2,4-Trichlorobenzene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,2,3-Trichloropropane	NA	ND		1.0	µg/L
TB13097	NA	2/5/97	1,2,3-Trichlorobenzene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,1-Dichloropropene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,1-Dichloroethene	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,1-Dichloroethane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,1,2-Trichloroethane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,1,2,2-Tetrachloroethane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,1,1-Trichloroethane	NA	ND		0.50	µg/L
TB13097	NA	2/5/97	1,1,1,2-Tetrachloroethane	NA	ND		0.50	µg/L

ID	Identification
PQL	Practical Quantitation Limit
PCB	Polychlorinated biphenyl
TPH	Total petroleum hydrocarbons
NA	Not available
ND	Not detected at or above practical quantitation limit.
UJ	Data validation flag - reported practical quantitation limit may not be actual quantitation level.
J	Data validation flag - reported result is approximate value.
U	Data validation flag - analyte is considered not detected at or above the eported concentration.
R	Data validation flag - results rejected as unusable.
mg/kg	Milligrams per kilogram
µg/L	Micrograms per liter
mg/L	Milligrams per liter



NOTES:

- NORMATION DOC. DOC. 117184, 148920

1. 40' WIDE AQUEDUCT ESMT TO [illegible] 1137/317 O.R.
2. 10' WIDE WATER PIPELINE ESMT TO G.F. JOHNSTON DOC 124468
3. 20' WIDE RAILROAD SPUR TRACK ESMT TO JOHN B. COLOMBERO, ET AL DOC 177314
4. 40' WIDE RAILROAD SPUR TRACK ESMT TO A.T.&S.F. R/R DOC. 215048
5. 12' x 15' STORM DRAIN ESMT TO CITY OF RANCHO CUCAMONGA DOC. 409721
6. 16' WIDE GAS LINE LICENSED TO S.C. GAS CO. DOC.# 378268 – 10 YEARS LEASE 08/01/88 TO 07/31/98.
7. PIPELINE ESMT TO CHINO BASIN MUNICIPAL WATER DISTRICT. DOC. 291093
8. 10' WIDE PIPELINE ESMT LICENSED TO KAISER STEEL CORP. DOC.# 139558
9. ROAD ESMT TO CITY OF RANCHO CUCAMONGA DOC. 415862
10. ROAD ESMT TO CITY OF RANCHO CUCAMONGA DOC. 448109
11. LICENSE TO NORTH STAR RECYCLING CO. FILE NO P95ED36-2-30.
12. 20' x 20' STORM DRAIN ESMT TO CITY OF RANCHO CUCAMONG. DOC.# 448190
13. LICENSE FOR 12" GAS LINE & METER REGULATOR TO SOUTHERN CALIFORNIA GAS CO. DOC.# 284132
14. CONTRACT FOR INDUSTRY TRACK – (UNPLOTTABLE LOCATION) BETWEEN A.T. & S.F. AND SOUTHERN CALIFORNIA GAS CO. DOC.# 134722
15. FIELD WAREHOUSING LICENSE AGREEMENT DOC.# 359122
16. PUBLIC HIGHWAY ESMT FOR ETIWANDA AVE. AS RESERVED IN DOC 117184.
17. PENDING ESM'T FOR ROAD IMPROVEMENT PURPOSES TO CITY OF RANCHO CUCAMONGA SERIAL 64159A

REF: SOUTHERN CALIFORNIA EDISON PARCEL MAP, SUPPLIED TO GERAGHTY & MILLER, INC. BY EDISON

GERAGHTY & MILLER, INC.
Environmental Services

ETIWANDA GENERATING STATION AND ADJOINING EDISON-OWNED PROPERTIES

ETIWANDA GENERATING STATION
ETIWANDA, CA

FIGURE 3

LEAK DETECTION INVESTIGATION

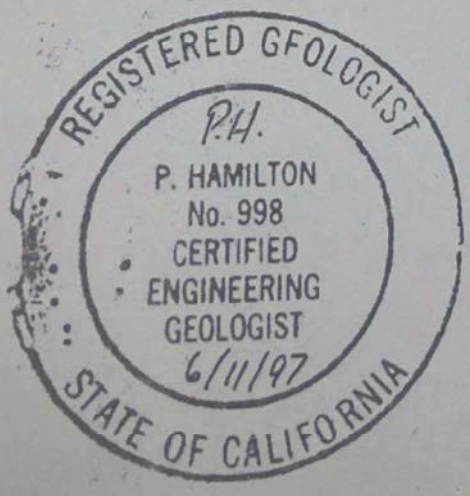
Etiwanda Generating Station

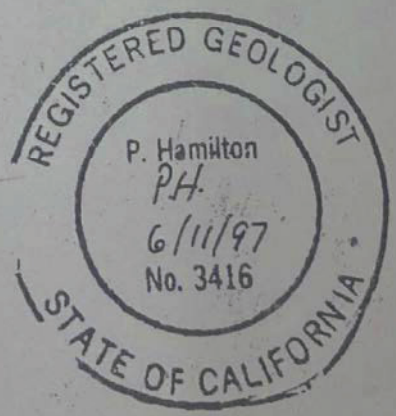
June 11, 1997

Prepared by:

P. Hamilton

P. Hamilton, CEG #998
Engineering Geologist





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3.2 Method 8260 Results 4

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Appendix 1: Soil Gas Survey Report

Appendix 2: Field Forms

Appendix 3: Analytical Results from Soil Samples

Appendix 4: Method 8260 Results

Appendix 5: Groundwater Analysis

1. Introduction

Southern California Edison Company (Edison) implemented an investigation in response to a Consent Agreement with the Department of Toxic Substances Control (BC 121219). The purpose of the investigation was to execute a study to demonstrate that no environmental contamination has resulted from the operation of three surface impoundments at the Etiwanda Generating Station. Edison owns and operates the Etiwanda Generating Station.

The investigation was designed to determine if the basins at the site had released any water containing the Constituents of Concern to the soil leading to groundwater. It was proposed that an extensive soil sampling program be performed below the liner. If the soils directly beneath the basin can be demonstrated to be free of abnormal concentration values, then a groundwater monitoring program would not be necessary.

This report compiles all of the data and information derived during the soil exploration in compliance with the Work Plan submitted to the DTSC. The Work Plan was part of the Edison submittal titled "Leak Detection Investigation, Etiwanda Generating Station," dated April 1996. Any deviation or field change to the plan is described in this report.

2. Exploration

The soil beneath the three basins was investigated using two methods: a soil gas survey and soil sampling. Twenty-nine exploratory borings were advanced below the liners: 6 in the Boiler Chemical Cleaning Basin, 12 in the South Basin,

and 11 in the North Basin. The locations of the holes are shown on Figures 2 and 3. The location of the basins on the station property is shown on Figure 1.

On October 24 and November 25, soil gas surveys were performed by Hydro Geo Spectrum, a RWQCB approved contractor. The company presented in the Work Plan was no longer performing soil gas surveys. A soil gas sample was retrieved from 28 exploratory holes with two collected for quality assurance. The samples were taken at 5 feet below the liner.

The exploratory holes were drilled using a minimum 3-inch diameter, hand auger. It was proposed that three samples were taken in each hole at 1, 5, and 9 feet with a drive sampler attached on the hand auger equipment. The samples were retrieved in a plastic inter tube within the drive sampler. The soils beneath the liners were gravelly with small cobbles. In most cases, the 9-foot sample could not be reached before the sediments would not allow further penetration.

The drilling and soil gas contractors were required to mobilize twice because either the north or south basin was required to be active. Exploration began on October 26 for the South Basin and a portion of the BCCB. The remainder of the BCCB and the North Basin started on November 25. The exploratory hole locations were chosen and a circular opening cut in the liner. The soil gas survey was performed at all locations before soil sampling began. The soil sampling in the basin occurred on the following day.

The field forms generated during the soil sampling are contained in Appendix 2. These include the Daily Reports for the sampling days and the Calibration Log for the pH meter. A detailed boring log for the 29 exploratory holes was not generated.

The sediments encountered below the basins consisted primarily of coarse and fine grained silty sand with layers of sand and clayey sand. The natural color was brown to gray. Gravel and cobble lenses were encountered below the basins. These lenses were discovered in most borings beneath the South Basin at about 6

feet in depth. They could not be penetrated by the hand augering equipment and the deep samples were not obtained. Due to these lenses, the sampling depth below the North Basin was altered to 0.5, 1, and 5 feet.

The soil samples removed from the exploratory holes were delivered to Weck Laboratory to be tested for the following parameters: pH, metals, chromium 6, chloride, fluoride, iron, and TCE. The lab also tested for moisture content in each soil sample. The resultant data from the lab analysis is discussed for each basin below.

3. Results

3.1 Soil Gas Survey

The methods, quality control, and results of the soil gas survey for the three basins are presented in a report prepared by Hydro Geo Spectrum. The complete report is contained in Appendix 1. The survey detected no volatile organic compounds in any of the 30 samples.

3.2 Method 8260 Results

The Constituents of Concern are listed in the approved Work Plan. They included TCE which is shown on the data tables described below. The laboratory performed the 8260 testing method and analyzes for TCE as required by the Chain of Custody. The lab did not quantify or check other data from the 8260 test.

Eight months later, the DTSC requested to have all of the 8260 results included in this report. The lab gathered the old data and produced the reports in

Appendix 4. The lab stated that since quality assurance protocol was not performed immediately after the test was run, the results may not be accurate.

3.3 Boiler Chemical Cleaning Basin

The basin was constructed with 4 inches of asphaltic concrete placed on the excavated native soil. The asphalt was covered by three layers of HDPE liner, each separated by a geotextile material.

Seventeen soil samples were removed from six exploratory holes (Figure 2). The resultant data from the lab analysis is arranged by boring on Table 1. The same data is arranged by depth on Table 2. The depths shown on Tables 1 and 2 are calculated from the liner surface. The laboratory data sheets and Chain of Custody forms are contained in Appendix 3. The TCE findings are shown on the tables.

The tables reveal that there is no evidence of high values for the parameters tested in the soil. However, the data does demonstrate that some minor leakage has occurred. Boring E-3 recorded a relatively low pH value associated with a slightly elevated copper concentration at the 1-foot sample. The copper value did not extend to the next sample at 3 feet. Fluoride was recorded at 1-foot in borings E-2 and 3 but was absent in all other samples. When compared with other samples, slightly elevated values of chloride was detected in borings E-1, 3, and 5. It is concluded that there has been minor leakage of basin liquids to the soil beneath the liners but no contamination has resulted. The leakage most likely occurred before the triple liner was installed.

Table 3 displays the results of the soil moisture calculations for the soil samples arranged by depth. The moisture values have a normal range from 0.61 to 11.6 percent. This range is consistent with the values documented in the HAR.

3.4 South Retention Basin

The basin was constructed with a minimal 3 inches of gunite placed on the excavated native soil. There was a 4 by 4-inch grid wire mesh setting on the native soil below the gunite. Apparently, the wire mesh was not supported off the soil and, therefore, was not encapsulated in the gunite. The wire mesh was severely oxidized at all boring locations. The gunite was covered by a thin coating of a black asphaltic sealant. A geofabric was placed over the coarse surface of the gunite to protect the HDPE liner.

The position of the exploration borings in the South Basin is shown on Figure 3. Liquid was discovered below the liner at the drain gate near boring E-17. The liner was cut at E-18 and the water was removed by suction.

Twenty-nine soil samples were removed from 12 exploratory holes (Figure 3). The resultant data from the lab analysis is arranged by boring on Table 4. The same data is arranged by depth on Table 5. The depths shown on Tables 4 and 5 are calculated from the liner surface. The laboratory data sheets and Chain of Custody forms are contained in Appendix 3. The TCE findings are shown on the tables.

Of the 12 boring, the results of the soil analysis indicate some degree of leakage at three locations: E-17, 8, and 7. All three of these borings were corner locations. Only three borings were completed to 9 feet as planned because of cobbles encountered in the formation.

Boring E-17 was drilled first because of the water located below the liner in the area. Immediately below the gunite, the soil color of the upper 4 to 6 inches had been altered to a deep red to orange. The silty sand soil appeared to be wet. However, the soil moisture test indicated normal values of 6.68 percent (Table 6).

All four of the samples obtained from boring E-17 indicated leakage had occurred. The nickel concentration was the most pervasive through the upper 5 feet of soil with values ranging from 31.4 to 285 mg/Kg. The red stained soil also contained elevated levels of arsenic, chloride, copper, molybdenum, and vanadium. Fluoride was only detected in E-17 at 1 and 5 feet. The samples taken at 4 and 5 feet recorded relatively low pH values.

Boring E-18 was added to the exploration because of the findings in E-17 and the water under the liner. No elevated values were detected in the soil from this boring.

Boring E-8 indicated elevated parameter values for the sample at 1-foot but the 5-foot sample displayed background values. The test results for the 1-foot sample showed elevated levels of total chromium (no chromium 6), lead, molybdenum, selenium, and thallium.

Boring E-7 tested with a value for cobalt that was higher than any background value. This was discovered at the 5-foot sample and may not be related to any leakage.

Table 6 displays the results of the soil moisture calculations for the soil samples arranged by depth. The moisture values have a normal range from 2.76 to 12.4 percent. This range is consistent with the values documented in the HAR.

The data indicates that the basin has allowed some minor leakage in the past. The soil moisture data illustrated there are no wet area below the pond at the boring locations. Only boring E-17 has had limited migration of nickel to the 5-foot level. The evidence indicates the minor leakage imposes no threat to the groundwater.

3.5 North Retention Basin

The basin was constructed with a minimal 3 inches of gunite placed on the excavated native soil. There was a 4 by 4-inch grid wire mesh setting on the native soil below the gunite. Apparently, the wire mesh was not supported off the soil and, therefore, was not encapsulated in the gunite. The wire mesh ~~has~~ was severely oxidized at all boring locations. The gunite was covered by a thin coating of a black asphaltic sealant. A geofabric was placed over the coarse surface of the gunite to protect the HDPE liner.

Thirty-three soil samples were removed from 11 exploratory holes (Figure 3). The resultant data from the lab analysis is arranged by boring on Table 7. The same data is arranged by depth on Table 8. The depths shown on Tables 7 and 8 are calculated from the liner surface. The laboratory data sheets and Chain of Custody forms are contained in Appendix 3. The TCE findings are shown on the tables.

E-27 Mo?

Of all the data collected, two borings indicate evidence of minor leakage. Boring E-20 is located near the drain gate, as E-17 in the South Basin. The results of the soil analysis show higher than background values for nickel have penetrated to the 5-foot level. The value for cobalt is also elevated at the 1-foot sample. Similarly, boring E-29 has a high content of nickel in the upper sample. However, the value decreases with depth and is at background levels at the 5-foot sample. Low levels of fluoride are also detected in the upper two samples in E-29.

E-29 Ni

Co too

Table 9 displays the results of the soil moisture calculations for the soil samples arranged by depth. The moisture values have a normal range from 4.18 to 14.2 percent. This range is consistent with the values documented in the HAR.

The data indicates that the basin has allowed some minor leakage in the past. The soil moisture data illustrated there are no wet areas below the pond at the

boring locations. Only boring E-20 has had limited migration of nickel to the 5-foot level. The evidence indicates the minor leakage imposes no threat to the groundwater.

4. Groundwater

In May 1996, the station performed a standard Title 22 Drinking Water analysis for the three production wells down gradient of the site. The East Well is the closest well to the three impoundments. The test results have been included with the data presented in the HAR on Table 10. The complete laboratory results are contained in Appendix 5. The data indicates no elevated levels of metals or other constituents.

BCCB -- Data Arranged by Boring

Table 1

	Boring ID		1-1	1-2	2-1	2-2	2-3	3-1	3-2	3-3	3-4
	Depth (feet)		1	4	1	3	5	1	3	5	7
Parameter	PQL	Units									
pH (field)		units	8.14	7.82	9.22	8.41	7.96	3.92	7.5	7.73	7.48
pH (lab)		units	7.3	8	8.3	7.7	7	4	6	7.9	6.2
TCE	2.5	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	5	mg/Kg	0.06	ND	1.15	0.42	ND	0.15	ND	ND	0.07
Arsenic	6	mg/Kg	0.79	0.25	2.11	0.76	0.51	1.35	0.37	0.16	0.15
Barium	0.7	mg/Kg	68.1	57	112	107	77.6	114	84.8	50.8	68.1
Beryllium	0.7	mg/Kg	0.21	0.19	0.5	0.46	0.26	0.39	0.21	0.12	0.12
Cadmium	0.7	mg/Kg	0.07	ND	0.38	ND	ND	0.09	ND	0.1	ND
Chloride	2	mg/L	26.9	25.5	8.72	3.28	ND	30.9	24.3	26.6	17.7
Chromium, Total	1.5	mg/Kg	6.36	12.8	18.9	11.7	12.1	15.4	5.08	3.67	4.63
Chromium 6	5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	1.5	mg/Kg	3.91	3.77	10	7.93	7.53	30.4	4.24	2.9	3.34
Cobalt	2.5	mg/Kg	3.12	2.68	7.08	5.61	5.42	5.3	3.18	2.02	2.36
Fluoride	1	mg/L	ND	ND	1.01	ND	ND	2.7	ND	ND	ND
Iron	50	mg/Kg	22,100	19,500	22,700	21,100	20,500	23,300	23,900	15,800	17,600
Lead	1.5	mg/Kg	3.3	1.91	5.94	3.56	2.52	4.19	2.29	1.44	2.26
Mercury	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	2.5	mg/Kg	0.1	0.28	0.33	ND	ND	0.19	ND	ND	ND
Nickel	2.5	mg/Kg	3.99	7.29	10.4	7.47	5.96	9.93	3.44	5.47	3.21
Selenium	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.7	mg/Kg	ND	ND	1.91	ND	ND	0.07	ND	2.15	ND
Thallium	1.5	mg/Kg	0.13	0.06	0.12	ND	ND	0.12	0.08	ND	0.06
Vanadium	2.5	mg/Kg	21	19.6	53.3	51.5	51.3	47.1	23.3	16	16.7
Zinc	1.5	mg/Kg	38.1	14.8	42.4	33.8	32.9	45.6	18.2	17.5	15.1

BCCB -- Data Arranged by Boring

Table 1

	Boring ID		4-1	4-2	4-3	5-1	5-2	6-1	6-2	6-3
	Depth (feet)		1	3	5	1	4	0.5	1	5
Parameter	PQL	Units								
pH (field)		units	9	9.18	9.24	7.94	7.91	9.54	9.51	8.74
pH (lab)		units	8	7.8	8	6.2	6.2	8	8.1	7.8
TCE	2.5	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	5	mg/Kg	1.29	0.32	1.73	ND	0.07	1.6	0.98	2.85
Arsenic	6	mg/Kg	1.19	1.07	0.97	0.57	0.17	1.81	1.34	0.98
Barium	0.7	mg/Kg	110	152	145	65.8	58.5	125	107	133
Beryllium	0.7	mg/Kg	0.43	0.65	0.58	0.2	0.13	0.56	0.44	0.57
Cadmium	0.7	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	2	mg/L	3.79	ND	ND	31.5	19.8	7.1	4.3	ND
Chromium, Total	1.5	mg/Kg	14.8	17	16	6.13	14.3	18.2	15.9	17
Chromium 6	5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND
Copper	1.5	mg/Kg	9.18	8.56	10.8	3.76	3.98	10.4	9.01	9.4
Cobalt	2.5	mg/Kg	7.03	7.39	8	3.29	3.32	7.83	6.9	7.12
Fluoride	1	mg/L	ND	ND	ND	ND	ND	ND	ND	ND
Iron	50	mg/Kg	22,100	24,400	26,700	21,900	24,900	26,400	22,200	30,000
Lead	1.5	mg/Kg	6.07	4.57	4.29	2.9	1.55	5.67	4.29	4.54
Mercury	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	2.5	mg/Kg	ND	0.26	0.22	ND	0.17	0.27	0.22	0.28
Nickel	2.5	mg/Kg	8.81	10.2	8.92	3.73	7.6	10.7	9.24	9.04
Selenium	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.7	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	1.5	mg/Kg	0.11	0.12	0.11	0.09	0.09	0.14	0.13	0.12
Vanadium	2.5	mg/Kg	53.5	56.7	61	21.6	23.7	59	51.5	56.2
Zinc	1.5	mg/Kg	43.3	40.3	45.2	16.5	19.5	46.7	38.9	39.3

BCCB -- Data Arranged by Depth

Table 2

	Boring ID		6-1	1-1	2-1	3-1	4-1	5-1	6-2	2-2	3-2	4-2
	Depth (feet)		0.5	1	1	1	1	1	1	3	3	3
Parameter	PQL	Units										
pH (field)		units	9.54	8.14	9.22	3.92	9	7.94	9.51	8.41	7.5	9.18
pH (lab)		units	8	7.3	8.3	4	8	6.2	8.1	7.7	6	7.8
TCE	2.5	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	5	mg/Kg	1.6	0.06	1.15	0.15	1.29	ND	0.98	0.42	ND	0.32
Arsenic	6	mg/Kg	1.81	0.79	2.11	1.35	1.19	0.57	1.34	0.76	0.37	1.07
Barium	0.7	mg/Kg	125	68.1	112	114	110	65.8	107	107	84.8	152
Beryllium	0.7	mg/Kg	0.56	0.21	0.5	0.39	0.43	0.2	0.44	0.46	0.21	0.65
Cadmium	0.7	mg/Kg	ND	0.07	0.38	0.09	ND	ND	ND	ND	ND	ND
Chloride	2	mg/L	7.1	26.9	8.72	30.9	3.79	31.5	4.3	3.28	24.3	ND
Chromium, Total	1.5	mg/Kg	18.2	6.36	18.9	15.4	14.8	6.13	15.9	11.7	5.08	17
Chromium 6	5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	1.5	mg/Kg	10.4	3.91	10	30.4	9.18	3.76	9.01	7.93	4.24	8.56
Cobalt	2.5	mg/Kg	7.83	3.12	7.08	5.3	7.03	3.29	6.9	5.61	3.18	7.39
Fluoride	1	mg/L	ND	ND	1.01	2.7	ND	ND	ND	ND	ND	ND
Iron	50	mg/Kg	26,400	22,100	22,700	23,300	22,100	21,900	22,200	21,100	23,900	24,400
Lead	1.5	mg/Kg	5.67	3.3	5.94	4.19	6.07	2.9	4.29	3.56	2.29	4.57
Mercury	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	2.5	mg/Kg	0.27	0.1	0.33	0.19	ND	ND	0.22	ND	ND	0.26
Nickel	2.5	mg/Kg	10.7	3.99	10.4	9.93	8.81	3.73	9.24	7.47	3.44	10.2
Selenium	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.7	mg/Kg	ND	ND	1.91	0.07	ND	ND	ND	ND	ND	ND
Thallium	1.5	mg/Kg	0.14	0.13	0.12	0.12	0.11	0.09	0.13	ND	0.08	0.12
Vanadium	2.5	mg/Kg	59	21	53.3	47.1	53.5	21.6	51.5	51.5	23.3	56.7
Zinc	1.5	mg/Kg	46.7	38.1	42.4	45.6	43.3	16.5	38.9	33.8	18.2	40.3

BCCB -- Data Arranged by Depth

Table 2

	Boring ID		1-2	5-2		2-3	3-3	4-3	6-3		3-4
	Depth (feet)		4	4		5	5	5	5		7
Parameter	PQL	Units									
pH (field)		units	7.82	7.91		7.96	7.73	9.24	8.74		7.48
pH (lab)		units	8	6.2		7	7.9	8	7.8		6.2
TCE	2.5	ug/Kg	ND	ND		ND	ND	ND	ND		ND
Antimony	5	mg/Kg	ND	0.07		ND	ND	1.73	2.85		0.07
Arsenic	6	mg/Kg	0.25	0.17		0.51	0.16	0.97	0.98		0.15
Barium	0.7	mg/Kg	57	58.5		77.6	50.8	145	133		68.1
Beryllium	0.7	mg/Kg	0.19	0.13		0.26	0.12	0.58	0.57		0.12
Cadmium	0.7	mg/Kg	ND	ND		ND	0.1	ND	ND		ND
Chloride	2	mg/L	25.5	19.8		ND	26.6	ND	ND		17.7
Chromium, Total	1.5	mg/Kg	12.8	14.3		12.1	3.67	16	17		4.63
Chromium 6	5	mg/Kg	ND	ND		ND	ND	ND	ND		ND
Copper	1.5	mg/Kg	3.77	3.98		7.53	2.9	10.8	9.4		3.34
Cobalt	2.5	mg/Kg	2.68	3.32		5.42	2.02	8	7.12		2.36
Fluoride	1	mg/L	ND	ND		ND	ND	ND	ND		ND
Iron	50	mg/Kg	19,500	24,900		20,500	15,800	26,700	30,000		17,600
Lead	1.5	mg/Kg	1.91	1.55		2.52	1.44	4.29	4.54		2.26
Mercury	0.06	mg/Kg	ND	ND		ND	ND	ND	ND		ND
Molybdenum	2.5	mg/Kg	0.28	0.17		ND	ND	0.22	0.28		ND
Nickel	2.5	mg/Kg	7.29	7.6		5.96	5.47	8.92	9.04		3.21
Selenium	0.06	mg/Kg	ND	ND		ND	ND	ND	ND		ND
Silver	0.7	mg/Kg	ND	ND		ND	2.15	ND	ND		ND
Thallium	1.5	mg/Kg	0.06	0.09		ND	ND	0.11	0.12		0.06
Vanadium	2.5	mg/Kg	19.6	23.7		51.3	16	61	56.2		16.7
Zinc	1.5	mg/Kg	14.8	19.5		32.9	17.5	45.2	39.3		15.1

Table 3

Soil Moisture Content -- Boiler Chemical Cleaning Basin

Depth	0.5 foot
Sample ID	
6-1	7.92

Depth	1 foot
Sample ID	
1-1	9
2-1	10
3-1	5.47
4-1	8.56
5-1	9.5
6-2	8.12

Depth	3 feet
Sample ID	
2-2	4.87
3-2	3.09
4-2	11.1

Depth	4 feet
Sample ID	
1-2	1.81
5-2	5.24

Depth	5 feet
Sample ID	
2-3	4.61
3-3	1.76
4-3	11.6
6-3	8.43

Depth	7 feet
Sample ID	
6-1	7.92

Table 4

South Basin -- Data Arranged by Boring

	Boring ID		7-1	7-2	8-1	8-2	9-1	9-2	10-1	10-2	11-1	11-2
	Depth (feet)		1	5	1	5	1	5	1	5	1	5
Parameter	PQL	Units										
pH (field)		units	7.66	8.7	8.62	8.68	8.76	7.92	8.27	8.67	7.83	9.07
pH (lab)		units	6.6	8.1	8	8.2	6.6	7.4	7.8	8.2	6.4	8.1
TCE	2.5	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	5	mg/Kg	ND	ND	15.1	ND	0.11	0.1	0.09	0.11	0.12	0.09
Arsenic	6	mg/Kg	0.89	0.63	3.51	0.73	1	0.82	1.19	0.39	0.77	0.52
Barium	0.7	mg/Kg	144	134	184	132	57.8	128	149	73.6	89.5	96.6
Beryllium	0.7	mg/Kg	0.48	0.47	1.85	0.43	0.27	0.52	0.58	0.28	0.46	0.38
Cadmium	0.7	mg/Kg	ND	ND	19.3	ND	0.05	0.09	0.1	0.06	0.1	0.14
Chloride	2	mg/L	2.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	1.5	mg/Kg	11.8	11.1	72.4	11.7	8.21	15.6	16.2	7.41	13.4	12.4
Chromium 6	5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	1.5	mg/Kg	8.26	6.88	1.64	6.94	5.71	9.26	7.76	7.39	8.04	6.26
Cobalt	2.5	mg/Kg	6.12	58.6	0.69	5.86	4.35	10	5.54	4.62	7.58	6.7
Fluoride	1	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	50	mg/Kg	18,600	18,700	15,200	19,500	15,000	28,600	22,800	15,000	25,400	26,100
Lead	1.5	mg/Kg	4.9	4.47	89.9	3.81	2.64	5.45	4.26	2.32	4.01	4.71
Mercury	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	2.5	mg/Kg	0.1	ND	4.78	ND	0.12	0.21	0.25	0.14	0.21	0.56
Nickel	2.5	mg/Kg	7.5	6.07	1.25	5.33	4.71	7.84	10.1	4.03	6.98	5.59
Selenium	0.06	mg/Kg	ND	ND	15.1	ND	ND	ND	0.61	ND	ND	ND
Silver	0.7	mg/Kg	0.09	ND	3.19	0.28	ND	0.07	0.08	0.37	0.08	0.06
Thallium	1.5	mg/Kg	0.25	0.2	31.7	0.11	0.07	0.11	0.13	0.07	0.28	0.13
Vanadium	2.5	mg/Kg	42.3	43.1	13	41.4	34	49.5	47.8	34.4	53.1	48
Zinc	1.5	mg/Kg	22.1	27.7	10	23.5	20.2	49.9	28.5	21.4	32.9	88.1

Table 4

South Basin -- Data Arranged by Boring

	Boring ID		12-1	12-2	13-1	13-2	13-3	14-1	14-2	15-1	15-2	15-3
	Depth (feet)		1	5	1	5	9	1	5	1	5	9
Parameter	PQL	Units										
pH (field)		units	8.77	8.57	8.47	8.93	9.54	9.09	9.28	8.55	9.08	10.31
pH (lab)		units	6.6	6.8	6.6	6.5	7	6.3	7.1	5.8	7.2	7.2
TCE	2.5	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	5	mg/Kg	0.07	0.13	ND	ND	0.07	ND	ND	0.06	ND	ND
Arsenic	6	mg/Kg	1.01	0.87	0.74	0.44	0.37	0.38	0.7	0.74	0.64	0.35
Barium	0.7	mg/Kg	144	129	113	75	95.4	87.3	103	87.6	103	116
Beryllium	0.7	mg/Kg	0.47	0.49	0.36	0.24	0.21	0.22	0.34	0.29	0.3	0.18
Cadmium	0.7	mg/Kg	0.08	0.09	0.09	0.08	0.08	0.06	0.13	0.09	0.1	0.07
Chloride	2	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	2.33	ND
Chromium, Total	1.5	mg/Kg	13.2	14	10.3	7.29	13.5	7.67	10.2	9.68	9.38	8.1
Chromium 6	5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	1.5	mg/Kg	8.11	8.96	5.97	5.96	8.39	5.79	6.83	6.16	7.24	6.62
Cobalt	2.5	mg/Kg	5.79	7.81	4.84	4.33	5.35	4.42	5.26	4.98	4.29	4.69
Fluoride	1	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	50	mg/Kg	22,700	29,900	19,500	16,400	19,000	14,200	21,000	18,300	21,800	16,800
Lead	1.5	mg/Kg	3.74	4.02	3.02	2.08	2.16	2.29	3.16	2.72	2.89	2.76
Mercury	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	2.5	mg/Kg	0.17	0.19	0.11	ND	0.21	0.13	0.13	0.13	0.1	ND
Nickel	2.5	mg/Kg	7.93	7.23	6.21	4.5	7.7	4.48	6.69	6.09	6.51	5.15
Selenium	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.7	mg/Kg	0.05	ND	0.06	ND	ND	ND	0.09	0.08	0.08	ND
Thallium	1.5	mg/Kg	0.12	0.15	0.1	0.07	0.08	0.08	0.08	0.11	0.08	0.09
Vanadium	2.5	mg/Kg	45.6	50.8	33.3	31.4	37.4	26.7	34.7	33.8	24.5	29.4
Zinc	1.5	mg/Kg	30.7	37.5	25.3	22.7	41.8	26.8	29.9	29.9	30.9	35.6

Table 4

South Basin -- Data Arranged by Boring

	Boring ID		16-1	16-2	16-3	17-1	17-2	17-3	17-4	18-1	18-2
	Depth (feet)		1	5	9	0.5	1	4	5	1	4
Parameter	PQL	Units									
pH (field)		units	8.85	8.58	9.17	9.43	9.67	4.83	5.54	8.57	9.28
pH (lab)		units	6.2	6.3	6.3	8.6	8.6	4.8	4.5	7.9	8.8
TCE	2.5	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	5	mg/Kg	ND	ND	0.05	0.88	ND	ND	ND	ND	ND
Arsenic	6	mg/Kg	1.25	0.98	0.71	6.11	0.6	0.82	0.55	0.24	0.12
Barium	0.7	mg/Kg	92.6	131	176	54.8	103	89.5	96.4	56.6	48.8
Beryllium	0.7	mg/Kg	0.33	0.43	0.43	0.14	0.14	0.16	0.4	0.18	0.13
Cadmium	0.7	mg/Kg	0.09	0.1	0.16	ND	ND	0.07	0.1	ND	ND
Chloride	2	mg/L	ND	ND	ND	29.5	3.61	ND	4.05	ND	ND
Chromium, Total	1.5	mg/Kg	9.99	12.8	12.2	12.2	7.95	38.6	8.44	4.96	13.3
Chromium 6	5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	1.5	mg/Kg	8.79	8.02	10.5	67.9	5.41	10.1	7.37	3.08	2.91
Cobalt	2.5	mg/Kg	5.47	4.8	6.62	13.2	3.43	5.49	11.2	2.52	2.57
Fluoride	1	mg/L	ND	ND	ND	ND	1.47	ND	2.28	ND	ND
Iron	50	mg/Kg	21,900	26,000	15,500	43,200	26,700	16,500	20,000	19,400	18,800
Lead	1.5	mg/Kg	3.56	3.92	4.59	3.3	2.53	2.1	2.18	2.02	1.54
Mercury	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	2.5	mg/Kg	0.33	0.14	0.2	8	0.87	1.03	0.18	ND	0.15
Nickel	2.5	mg/Kg	7.76	7.43	9.37	285	31.4	42.9	108	4.87	7.82
Selenium	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.7	mg/Kg	0.07	0.07	0.06	0.21	ND	ND	0.82	1.94	0.11
Thallium	1.5	mg/Kg	0.12	0.08	0.13	ND	0.1	0.11	0.07	0.05	ND
Vanadium	2.5	mg/Kg	22.1	23.6	28.1	130	37.8	29.3	36.3	20.4	19.1
Zinc	1.5	mg/Kg	36.4	35	51.7	52.5	23.1	45.6	44.9	18.2	15.4

Table 5

South Basin -- Data Arranged by Depth

	Boring ID		17-1		7-1	8-1	9-1	10-1	11-1	12-1	13-1	14-1	15-1	16-1	17-2	18-1
	Depth (feet)		0.5		1	1	1	1	1	1	1	1	1	1	1	1
Parameter	PQL	Units														
pH (field)		units	9.43		7.66	8.62	8.76	8.27	7.83	8.77	8.47	9.09	8.55	8.85	9.67	8.57
pH (lab)		units	8.6		6.6	8	6.6	7.8	6.4	6.6	6.6	6.3	5.8	6.2	8.6	7.9
TCE	2.5	ug/Kg	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	5	mg/Kg	0.88		ND	15.1	0.11	0.09	0.12	0.07	ND	ND	0.06	ND	ND	ND
Arsenic	6	mg/Kg	6.11		0.89	3.51	1	1.19	0.77	1.01	0.74	0.38	0.74	1.25	0.6	0.24
Barium	0.7	mg/Kg	54.8		144	184	57.8	149	89.5	144	113	87.3	87.6	92.6	103	56.6
Beryllium	0.7	mg/Kg	0.14		0.48	1.85	0.27	0.58	0.46	0.47	0.36	0.22	0.29	0.33	0.14	0.18
Cadmium	0.7	mg/Kg	ND		ND	19.3	0.05	0.1	0.1	0.08	0.09	0.06	0.09	0.09	ND	ND
Chloride	2	mg/L	29.5		2.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.61	ND
Chromium, Total	1.5	mg/Kg	12.2		11.8	72.4	8.21	16.2	13.4	13.2	10.3	7.67	9.68	9.99	7.95	4.96
Chromium 6	5	mg/Kg	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	1.5	mg/Kg	67.9		8.26	1.64	5.71	7.76	8.04	8.11	5.97	5.79	6.16	8.79	5.41	3.08
Cobalt	2.5	mg/Kg	13.2		6.12	0.69	4.35	5.54	7.58	5.79	4.84	4.42	4.98	5.47	3.43	2.52
Fluoride	1	mg/L	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.47	ND
Iron	50	mg/Kg	43,200		18,600	15,200	15,000	22,800	25,400	22,700	19,500	14,200	18,300	21,900	26,700	19,400
Lead	1.5	mg/Kg	3.3		4.9	89.9	2.64	4.26	4.01	3.74	3.02	2.29	2.72	3.56	2.53	2.02
Mercury	0.06	mg/Kg	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	2.5	mg/Kg	8		0.1	4.78	0.12	0.25	0.21	0.17	0.11	0.13	0.13	0.33	0.87	ND
Nickel	2.5	mg/Kg	285		7.5	1.25	4.71	10.1	6.98	7.93	6.21	4.48	6.09	7.76	31.4	4.87
Selenium	0.06	mg/Kg	ND		ND	15.1	ND	0.61	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.7	mg/Kg	0.21		0.09	3.19	ND	0.08	0.08	0.05	0.06	ND	0.08	0.07	ND	1.94
Thallium	1.5	mg/Kg	ND		0.25	31.7	0.07	0.13	0.28	0.12	0.1	0.08	0.11	0.12	0.1	0.05
Vanadium	2.5	mg/Kg	130		42.3	13	34	47.8	53.1	45.6	33.3	26.7	33.8	22.1	37.8	20.4
Zinc	1.5	mg/Kg	52.5		22.1	10	20.2	28.5	32.9	30.7	25.3	26.8	29.9	36.4	23.1	18.2

Table 5

South Basin -- Data Arranged by Depth

	Boring ID		17-3	18-2	7-2	8-2	9-2	10-2	11-2	12-2	13-2	14-2	15-2	16-2	17-4
	Depth (feet)		4	4	5	5	5	5	5	5	5	5	5	5	5
Parameter	PQL	Units													
pH (field)		units	4.83	9.28	8.7	8.68	7.92	8.67	9.07	8.57	8.93	9.28	9.08	8.58	5.54
pH (lab)		units	4.8	8.8	8.1	8.2	7.4	8.2	8.1	6.8	6.5	7.1	7.2	6.3	4.5
TCE	2.5	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	5	mg/Kg	ND	ND	ND	ND	0.1	0.11	0.09	0.13	ND	ND	ND	ND	ND
Arsenic	6	mg/Kg	0.82	0.12	0.63	0.73	0.82	0.39	0.52	0.87	0.44	0.7	0.64	0.98	0.55
Barium	0.7	mg/Kg	89.5	48.8	134	132	128	73.6	96.6	129	75	103	103	131	96.4
Beryllium	0.7	mg/Kg	0.16	0.13	0.47	0.43	0.52	0.28	0.38	0.49	0.24	0.34	0.3	0.43	0.4
Cadmium	0.7	mg/Kg	0.07	ND	ND	ND	0.09	0.06	0.14	0.09	0.08	0.13	0.1	0.1	0.1
Chloride	2	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.33	ND	4.05
Chromium, Total	1.5	mg/Kg	38.6	13.3	11.1	11.7	15.6	7.41	12.4	14	7.29	10.2	9.38	12.8	8.44
Chromium 6	5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	1.5	mg/Kg	10.1	2.91	6.88	6.94	9.26	7.39	6.26	8.96	5.96	6.83	7.24	8.02	7.37
Cobalt	2.5	mg/Kg	5.49	2.57	58.6	5.86	10	4.62	6.7	7.81	4.33	5.26	4.29	4.8	11.2
Fluoride	1	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.28
Iron	50	mg/Kg	16,500	18,800	18,700	19,500	28,600	15,000	26,100	29,900	16,400	21,000	21,800	26,000	20,000
Lead	1.5	mg/Kg	2.1	1.54	4.47	3.81	5.45	2.32	4.71	4.02	2.08	3.16	2.89	3.92	2.18
Mercury	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	2.5	mg/Kg	1.03	0.15	ND	ND	0.21	0.14	0.56	0.19	ND	0.13	0.1	0.14	0.18
Nickel	2.5	mg/Kg	42.9	7.82	6.07	5.33	7.84	4.03	5.59	7.23	4.5	6.69	6.51	7.43	108
Selenium	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.7	mg/Kg	ND	0.11	ND	0.28	0.07	0.37	0.06	ND	ND	0.09	0.08	0.07	0.82
Thallium	1.5	mg/Kg	0.11	ND	0.2	0.11	0.11	0.07	0.13	0.15	0.07	0.08	0.08	0.08	0.07
Vanadium	2.5	mg/Kg	29.3	19.1	43.1	41.4	49.5	34.4	48	50.8	31.4	34.7	24.5	23.6	36.3
Zinc	1.5	mg/Kg	45.6	15.4	27.7	23.5	49.9	21.4	88.1	37.5	22.7	29.9	30.9	35	44.9

Table 5

South Basin -- Data Arranged by Depth

	Boring ID		13-3	15-3	16-3
	Depth (feet)		9	9	9
Parameter	PQL	Units			
pH (field)		units	9.54	10.31	9.17
pH (lab)		units	7	7.2	6.3
TCE	2.5	ug/Kg	ND	ND	ND
Antimony	5	mg/Kg	0.07	ND	0.05
Arsenic	6	mg/Kg	0.37	0.35	0.71
Barium	0.7	mg/Kg	95.4	116	176
Beryllium	0.7	mg/Kg	0.21	0.18	0.43
Cadmium	0.7	mg/Kg	0.08	0.07	0.16
Chloride	2	mg/L	ND	ND	ND
Chromium, Total	1.5	mg/Kg	13.5	8.1	12.2
Chromium 6	5	mg/Kg	ND	ND	ND
Copper	1.5	mg/Kg	8.39	6.62	10.5
Cobalt	2.5	mg/Kg	5.35	4.69	6.62
Fluoride	1	mg/L	ND	ND	ND
Iron	50	mg/Kg	19,000	16,800	15,500
Lead	1.5	mg/Kg	2.16	2.76	4.59
Mercury	0.06	mg/Kg	ND	ND	ND
Molybdenum	2.5	mg/Kg	0.21	ND	0.2
Nickel	2.5	mg/Kg	7.7	5.15	9.37
Selenium	0.06	mg/Kg	ND	ND	ND
Silver	0.7	mg/Kg	ND	ND	0.06
Thallium	1.5	mg/Kg	0.08	0.09	0.13
Vanadium	2.5	mg/Kg	37.4	29.4	28.1
Zinc	1.5	mg/Kg	41.8	35.6	51.7

Table 6

Soil Moisture Content -- South Basin

Depth	0.5 foot
Sample ID	
17-1	6.68

Depth	1 foot
Sample ID	
7-1	11.6
8-1	9.34
9-1	4.44
10-1	10.2
11-1	6.66
12-1	8.37
13-1	8.86
14-1	6.85
15-1	6.56
16-1	10
17-2	8.18
18-1	3.87

Depth	4 feet
Sample ID	
17-3	10.8
18-2	2.76

Depth	5 feet
Sample ID	
7-2	10.4
8-2	9.6
9-2	12.4
10-2	4.08
11-2	5.02
12-2	10.6
13-2	3.97
14-2	9.23
15-2	12.3
16-2	11.6
17-4	9

Depth	9 feet
Sample ID	
13-3	5
15-3	2.8
16-3	7.73

Table 7

North Basin -- Data Arranged by Boring

	Boring ID		19-1	19-2	19-3	20-1	20-2	20-3	21-1	21-2	21-3	22-1	22-2	22-3
	Depth (feet)		0.5	1	5	0.5	1	5	0.5	1	5	0.5	1	5
Parameter	PQL	Units												
pH (field)		units	9.58	9.1	6.48	8.4	7.84	9.79	9.91	9.63	10.22	9.99	9.82	9.96
pH (lab)		units	8.3	8.1	7.6	7.1	7.35	7.2	8.6	8.2	8.5	7.6	8	8.25
TCE	2.5	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	5	mg/Kg	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	6	mg/Kg	0.73	0.81	0.54	0.88	0.53	0.71	0.58	0.63	0.23	0.76	0.85	0.31
Barium	0.7	mg/Kg	155	150	117	142	128	96.5	104	125	84.2	125	89.5	69.3
Beryllium	0.7	mg/Kg	0.42	0.46	0.32	0.45	0.28	0.29	0.29	0.31	0.19	0.4	0.26	0.15
Cadmium	0.7	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	2	mg/L	7.92	10.5	7.3	2.53	4.13	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	1.5	mg/Kg	16.3	16.6	12.7	12.6	12.5	10.5	9.03	7.55	9.63	12	9.64	6.55
Chromium 6	5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	1.5	mg/Kg	9.77	9.14	9.25	7.7	10.3	7.35	6.12	6.21	5.74	7.18	7.47	7.11
Cobalt	2.5	mg/Kg	7.6	7.12	6.71	20.8	7.83	9.29	3.83	3.95	4.98	6.85	6.07	3.71
Fluoride	1	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	50	mg/Kg	25,100	23,400	24,400	18,400	15,100	18,300	9,460	9,700	11,400	16,100	15,600	8,380
Lead	1.5	mg/Kg	3	3.47	2.74	3.82	3.06	2.77	2.52	2.73	1.91	3.5	2.91	1.87
Mercury	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	2.5	mg/Kg	0.28	0.29	ND	0.59	0.2	0.31	ND	ND	ND	ND	ND	ND
Nickel	2.5	mg/Kg	8.27	8.37	6.5	419	105	101	4.4	4.78	4.72	6.74	5.53	5.04
Selenium	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.7	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	1.5	mg/Kg	0.25	0.15	0.11	0.16	0.18	0.13	0.11	ND	0.11	0.14	ND	ND
Vanadium	2.5	mg/Kg	54.4	54.8	54.2	48.1	42.1	42.5	29.5	29.9	27.1	47.2	40.1	23
Zinc	1.5	mg/Kg	42.6	42.8	41	34.6	42.2	36	23.7	24.5	35.5	32.2	30.6	26.2

Table 7

North Basin -- Data Arranged by Boring

	Boring ID		23-1	23-2	23-3	24-1	24-2	24-3	25-1	25-2	25-3	26-1	26-2	26-3
	Depth (feet)		0.5	1	5	0.5	1	5	0.5	1	5	0.5	1	5
Parameter	PQL	Units												
pH (field)		units	9.69	9.62	8.8	10.12	9.15	8.94	10.04	9.13	9.24	9.94	9.13	9.6
pH (lab)		units	8.2	8.15	7.75	8.7	7.9	7.8	8.6	7.25	7.85	8.5	8.1	8.3
TCE	2.5	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	6	mg/Kg	0.36	0.26	0.24	0.34	0.35	0.22	0.42	0.66	0.8	0.89	0.83	0.25
Barium	0.7	mg/Kg	98.1	92.9	90.4	69	93.9	95.9	195	139	152	134	156	67.1
Beryllium	0.7	mg/Kg	0.26	0.19	0.21	0.19	0.25	0.19	0.33	0.33	0.37	0.4	0.39	0.17
Cadmium	0.7	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	2	mg/L	2.12	ND	ND	ND	ND	ND	ND	ND	ND	3.12	3.13	ND
Chromium, Total	1.5	mg/Kg	10.4	6.9	5.41	6.77	6.43	7.75	9.77	12	11.6	9.32	12	9.91
Chromium 6	5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	1.5	mg/Kg	5.79	6.35	4.42	4.09	4.96	5.09	6.34	7.9	8.06	7.28	9.12	4.8
Cobalt	2.5	mg/Kg	5.27	3.86	3.08	3.85	3.62	3.85	8.84	5.48	4.7	4.69	6.65	3.77
Fluoride	1	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	50	mg/Kg	11,600	10,000	7,370	7,530	8,430	7,670	19,400	16,500	15,900	11,800	16,300	8,930
Lead	1.5	mg/Kg	2.94	1.9	1.59	1.59	1.85	1.65	2.53	3.04	3.36	3.4	2.98	1.49
Mercury	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	2.5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	2.5	mg/Kg	4.73	3.53	2.79	3	4.96	4.15	6.72	5.67	7.16	5.98	7.09	4.17
Selenium	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.7	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	1.5	mg/Kg	ND	0.36	0.17	ND	ND	ND	0.28	0.15	ND	0.1	0.16	ND
Vanadium	2.5	mg/Kg	31.2	26.3	21.2	24.5	24.7	24.6	46.1	44.2	44.5	37.2	47.8	25.5
Zinc	1.5	mg/Kg	33.7	32.3	23.3	23.7	25.4	30.6	58.7	35.1	32	29.4	42.1	28.9

Table 7

North Basin -- Data Arranged by Boring

	Boring ID		27-1	27-2	27-3	28-1	28-2	28-3	29-1	29-2	29-3
	Depth (feet)		0.5	1	5	0.5	1	5	0.5	1	5
Parameter	PQL	Units									
pH (field)		units	9.69	10.04	9.44	9.7	9.05	9.48	8.49	9.91	10.28
pH (lab)		units	8.1	8	7.3	9	8	8.3	7.45	8.15	8
TCE	2.5	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	5	mg/Kg	ND	ND	ND	0.51	1.6	1.97	ND	ND	ND
Arsenic	6	mg/Kg	0.27	0.21	0.36	1	0.44	0.52	0.51	ND	0.25
Barium	0.7	mg/Kg	90.7	68.7	123	99.5	90.7	80.9	103	68.4	78.7
Beryllium	0.7	mg/Kg	0.19	0.16	0.27	0.38	0.34	0.36	0.4	0.17	0.18
Cadmium	0.7	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	2	mg/L	ND	ND	ND	3.22	ND	ND	4.74	3.92	ND
Chromium, Total	1.5	mg/Kg	6.61	6.05	16.4	14.3	11.5	11.1	8.55	4.75	5.71
Chromium 6	5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	1.5	mg/Kg	4.81	4.22	9.36	9.06	6.62	7.11	5.46	3.53	4.75
Cobalt	2.5	mg/Kg	3.89	3.43	6.49	6.24	6.02	4.99	40.3	14.7	3.87
Fluoride	1	mg/L	ND	ND	ND	ND	ND	ND	1.21	1.59	ND
Iron	50	mg/Kg	9,770	8,720	17,800	21,800	21,600	17,800	10,500	6,540	7,410
Lead	1.5	mg/Kg	1.74	1.52	3.75	4.09	2.96	3.24	2.03	1.34	1.87
Mercury	0.06	mg/Kg	ND	ND	ND	ND	ND	0.07	ND	ND	ND
Molybdenum	2.5	mg/Kg	3.38	ND	ND	0.2	ND	0.21	0.32	ND	ND
Nickel	2.5	mg/Kg	3.49	3.2	7.46	14.7	6.72	6.04	617	124	4.41
Selenium	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.7	mg/Kg	ND	ND	0.12	ND	ND	ND	ND	ND	ND
Thallium	1.5	mg/Kg	ND	ND	0.1	0.22	0.12	0.11	ND	ND	ND
Vanadium	2.5	mg/Kg	27.1	24.8	34.4	51.9	51.9	42.4	47.4	23.8	23.8
Zinc	1.5	mg/Kg	26.5	27.8	40.9	41.6	40.2	37	33.6	27.8	25.5

Table 8

North Basin -- Data Arranged by Depth

	Boring ID		19-1	20-3	21-1	22-1	23-1	24-1	25-1	26-1	27-1	28-1	29-1
	Depth (feet)		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Parameter	PQL	Units											
pH (field)		units	9.58	9.79	9.91	9.99	9.69	10.12	10.04	9.94	9.69	9.7	8.49
pH (lab)		units	8.3	7.2	8.6	7.6	8.2	8.7	8.6	8.5	8.1	9	7.45
TCE	2.5	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	5	mg/Kg	0.92	ND	ND	ND	ND	ND	ND	ND	ND	0.51	ND
Arsenic	6	mg/Kg	0.73	0.71	0.58	0.76	0.36	0.34	0.42	0.89	0.27	1	0.51
Barium	0.7	mg/Kg	155	96.5	104	125	98.1	69	195	134	90.7	99.5	103
Beryllium	0.7	mg/Kg	0.42	0.29	0.29	0.4	0.26	0.19	0.33	0.4	0.19	0.38	0.4
Cadmium	0.7	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	2	mg/L	7.92	ND	ND	ND	2.12	ND	ND	3.12	ND	3.22	4.74
Chromium, Total	1.5	mg/Kg	16.3	10.5	9.03	12	10.4	6.77	9.77	9.32	6.61	14.3	8.55
Chromium 6	5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	1.5	mg/Kg	9.77	7.35	6.12	7.18	5.79	4.09	6.34	7.28	4.81	9.06	5.46
Cobalt	2.5	mg/Kg	7.6	9.29	3.83	6.85	5.27	3.85	8.84	4.69	3.89	6.24	40.3
Fluoride	1	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.21
Iron	50	mg/Kg	25,100	18,300	9,460	16,100	11,600	7,530	19,400	11,800	9,770	21,800	10,500
Lead	1.5	mg/Kg	3	2.77	2.52	3.5	2.94	1.59	2.53	3.4	1.74	4.09	2.03
Mercury	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	2.5	mg/Kg	0.28	0.31	ND	ND	ND	ND	ND	ND	3.38	0.2	0.32
Nickel	2.5	mg/Kg	8.27	101	4.4	6.74	4.73	3	6.72	5.98	3.49	14.7	617
Selenium	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.7	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	1.5	mg/Kg	0.25	0.13	0.11	0.14	ND	ND	0.28	0.1	ND	0.22	ND
Vanadium	2.5	mg/Kg	54.4	42.5	29.5	47.2	31.2	24.5	46.1	37.2	27.1	51.9	47.4
Zinc	1.5	mg/Kg	42.6	36	23.7	32.2	33.7	23.7	58.7	29.4	26.5	41.6	33.6

Table 8

North Basin -- Data Arranged by Depth

	Boring ID		19-2	20-1	21-2	22-2	23-2	24-2	25-2	26-2	27-2	28-2	29-2
	Depth (feet)		1	1	1	1	1	1	1	1	1	1	1
Parameter	PQL	Units											
pH (field)		units	9.1	8.4	9.63	9.82	9.62	9.15	9.13	9.13	10.04	9.05	9.91
pH (lab)		units	8.1	7.1	8.2	8	8.15	7.9	7.25	8.1	8	8	8.15
TCE	2.5	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND
Arsenic	6	mg/Kg	0.81	0.88	0.63	0.85	0.26	0.35	0.66	0.83	0.21	0.44	ND
Barium	0.7	mg/Kg	150	142	125	89.5	92.9	93.9	139	156	68.7	90.7	68.4
Beryllium	0.7	mg/Kg	0.46	0.45	0.31	0.26	0.19	0.25	0.33	0.39	0.16	0.34	0.17
Cadmium	0.7	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	2	mg/L	10.5	2.53	ND	ND	ND	ND	ND	3.13	ND	ND	3.92
Chromium, Total	1.5	mg/Kg	18.6	12.6	7.55	9.64	6.9	6.43	12	12	6.05	11.5	4.75
Chromium 6	5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	1.5	mg/Kg	9.14	7.7	6.21	7.47	6.35	4.96	7.9	9.12	4.22	6.62	3.53
Cobalt	2.5	mg/Kg	7.12	20.8	3.95	6.07	3.86	3.62	5.48	6.65	3.43	6.02	14.7
Fluoride	1	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.59
Iron	50	mg/Kg	23,400	18,400	9,700	15,600	10,000	8,430	16,500	16,300	8,720	21,600	6,540
Lead	1.5	mg/Kg	3.47	3.82	2.73	2.91	1.9	1.85	3.04	2.98	1.52	2.96	1.34
Mercury	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	2.5	mg/Kg	0.29	0.59	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	2.5	mg/Kg	8.37	419	4.78	5.53	3.53	4.96	5.67	7.09	3.2	6.72	124
Selenium	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.7	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	1.5	mg/Kg	0.15	0.16	ND	ND	0.36	ND	0.15	0.16	ND	0.12	ND
Vanadium	2.5	mg/Kg	54.8	48.1	29.9	40.1	26.3	24.7	44.2	47.8	24.8	51.9	23.8
Zinc	1.5	mg/Kg	42.8	34.6	24.5	30.6	32.3	25.4	35.1	42.1	27.8	40.2	27.8

Table 8

North Basin -- Data Arranged by Depth

	Boring ID		19-3	20-2	21-3	22-3	23-3	24-3	25-3	26-3	27-3	28-3	29-3
	Depth (feet)		5	5	5	5	5	5	5	5	5	5	5
Parameter	PQL	Units											
pH (field)		units	6.48	7.84	10.22	9.96	8.8	8.94	9.24	9.6	9.44	9.48	10.28
pH (lab)		units	7.6	7.35	8.5	8.25	7.75	7.8	7.85	8.3	7.3	8.3	8
TCE	2.5	ug/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Antimony	5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.97	ND
Arsenic	6	mg/Kg	0.54	0.53	0.23	0.31	0.24	0.22	0.8	0.25	0.36	0.52	0.25
Barium	0.7	mg/Kg	117	128	84.2	69.3	90.4	95.9	152	67.1	123	80.9	78.7
Beryllium	0.7	mg/Kg	0.32	0.28	0.19	0.15	0.21	0.19	0.37	0.17	0.27	0.36	0.18
Cadmium	0.7	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	2	mg/L	7.3	4.13	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	1.5	mg/Kg	12.7	12.5	9.63	6.55	5.41	7.75	11.6	9.91	16.4	11.1	5.71
Chromium 6	5	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	1.5	mg/Kg	9.25	10.3	5.74	7.11	4.42	5.09	8.06	4.8	9.36	7.11	4.75
Cobalt	2.5	mg/Kg	6.71	7.83	4.98	3.71	3.08	3.85	4.7	3.77	6.49	4.99	3.87
Fluoride	1	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	50	mg/Kg	24,400	15,100	11,400	8,380	7,370	7,670	15,900	8,930	17,800	17,800	7,410
Lead	1.5	mg/Kg	2.74	3.06	1.91	1.87	1.59	1.65	3.36	1.49	3.75	3.24	1.87
Mercury	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.07	ND
Molybdenum	2.5	mg/Kg	ND	0.2	ND	ND	ND	ND	ND	ND	ND	0.21	ND
Nickel	2.5	mg/Kg	6.5	105	4.72	5.04	2.79	4.15	7.16	4.17	7.46	6.04	4.41
Selenium	0.06	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.7	mg/Kg	ND	ND	ND	ND	ND	ND	ND	ND	0.12	ND	ND
Thallium	1.5	mg/Kg	0.11	0.18	0.11	ND	0.17	ND	ND	ND	0.1	0.11	ND
Vanadium	2.5	mg/Kg	54.2	42.1	27.1	23	21.2	24.6	44.5	25.5	34.4	42.4	23.8
Zinc	1.5	mg/Kg	41	42.2	35.5	26.2	23.3	30.6	32	28.9	40.9	37	25.5

Table 9

Soil Moisture Content -- North Basin

Depth	0.5 foot
Sample ID	
19-1	8.1
20-3	13.2
21-1	8.03
22-1	9.57
23-1	7.37
24-1	4.65
25-1	6.71
26-1	8.06
27-1	4.18
28-1	10.2
29-1	5.21

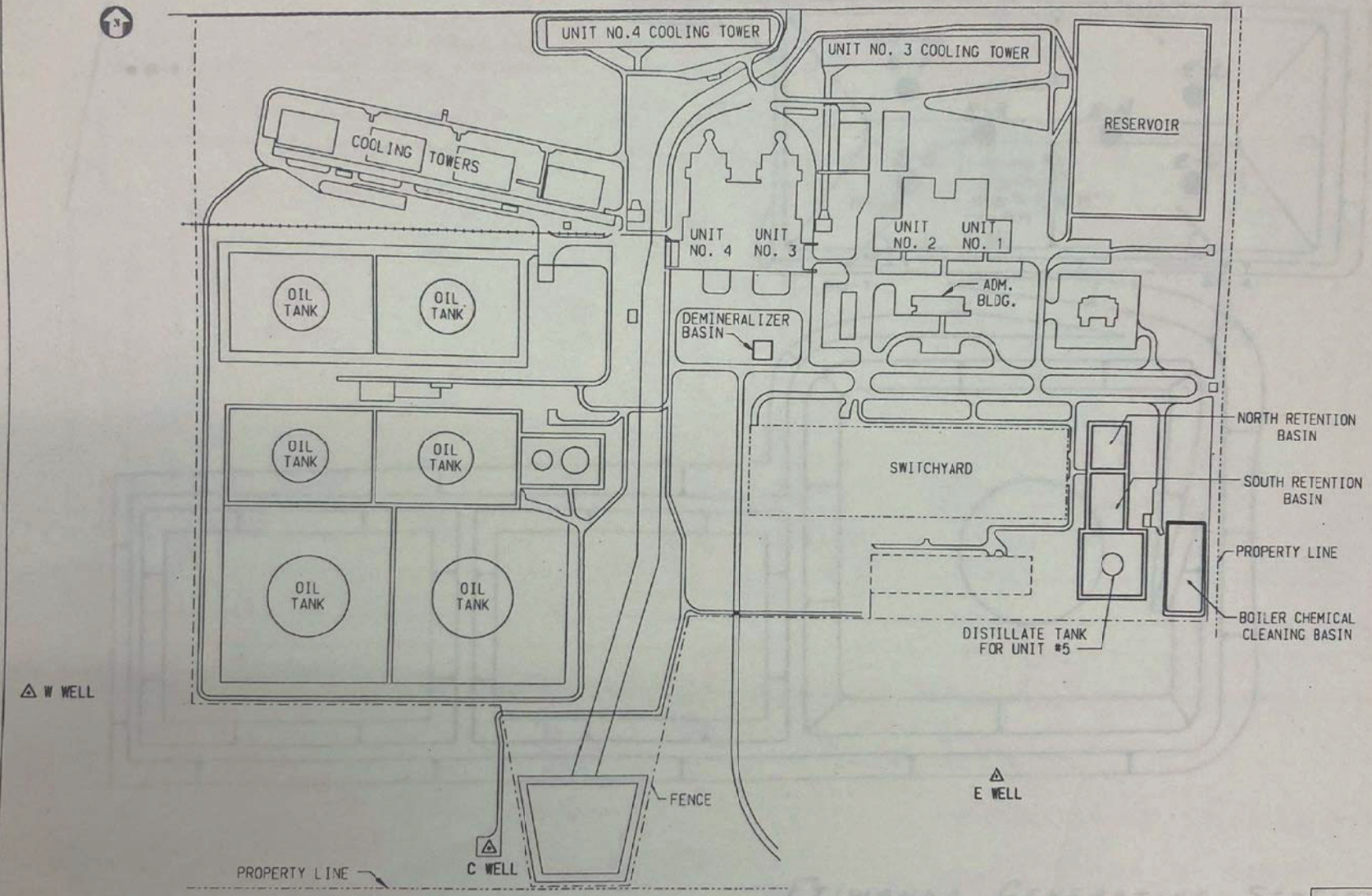
Depth	1 foot
Sample ID	
19-2	9.95
20-1	12.8
21-2	4.84
22-2	6.59
23-2	5.85
24-2	5.08
25-2	9.62
26-2	9
27-2	3.95
28-2	6.7
29-2	5.63

Depth	5 feet
Sample ID	
19-3	7.08
20-2	13.8
21-3	6.03
22-3	6.43
23-3	6.52
24-3	4.68
25-3	10.5
26-3	4.69
27-3	14.2
28-3	5.96
29-3	5.05

Groundwater Chemistry

Table 1

		West Well				Central Well			East Well			Tamco Well	
Parameter	Units	9/9/85	10/31/85	12/29/86	5/21/96	9/3/85	11/20/86	5/21/96	9/3/85	11/20/86	5/21/96	3/29/66	9/9/85
Sodium	mg/L	20		14.3	51.0	17	16.5	20	17	16	16	18	18
Potassium	mg/L	3		1.8		1.4	1.5		1.5	1.5		2	1.5
Calcium	mg/L	43		42.9	49.0	34	41.5	46	36	36.3	38	41	35
Magnesium	mg/L	5		7.9	8.6	6.4	8.3	8.7	6	6.1	6.5	8	6.4
Bicarbonate	mg/L	158		181	189	146	182	177	158	158	134	147	158
Carbonate	mg/L	0.306		0.859	0.976	0.344	0.436	0.576	0.366	0.465	0.436		0.465
Chloride	mg/L	15		10	8.7	6	12	11	6.7	6.8	6.6	8	7
Sulfate	mg/L	19		6.9	5.3	9.4	7.5	17	9.7	11	9	4	8.8
Nitrate-N	mg/L	2.1		3.8	4.0	1.6	2.8	3.9	1.8	1.8	5.8		2.1
Floride	mg/L	0.42	0.32	0.23	0.23	0.30	0.26	0.28	0.22	0.1	0.19	0.4	0.36
pH (lab)	mg/L	7.5		7.9	7.9	7.6	7.6	7.7	7.6	7.7	7.7	7.6	7.7
Conductivity	uS/cm	420		340	370	290	330	380	300	295	310	341	300
Alkalinity	mg/L	130		150	155	120	150	145	130	130	110		130
TDS	mg/L	250		210	230	200	220	210	175	190	190	181	190
Hardness	mg/L	128		140	158	112	138	151	115	116	122	136	114
Arsenic	ug/L	<0.001	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001
Aluminum	ug/L	1.6				<0.02			<0.02				0.027
Antimony	ug/L	0.003			<0.001	<0.002		<0.001	<0.002		<0.001		<0.002
Barium	ug/L	0.7	<0.2	0.09	100	0.081	0.082	100	0.08	0.06	74		0.076
Beryllium	ug/L	<0.004			<0.001	<0.004		<0.001	<0.004		<0.001		<0.004
Cadmium	ug/L	0.003	0.008	<0.003	<0.0005	<0.003	<0.003	<0.0005	<0.003	<0.003	<0.0005		<0.003
Chromium, total	ug/L	0.084	<0.02	<0.029	11	<0.029	<0.029	12	<0.029	<0.029	8.1		<0.029
Chromium +6	ug/L				<0.01			<0.01			<0.01		
Cobalt	ug/L	0.048			<0.002	<0.026		<0.002	<0.026		<0.002		<0.026
Copper	ug/L	4		<0.007	2.8	0.013	0.048	<0.002	0.008	<0.007	<0.002		0.096
Mercury	ug/L	16	0.0005	<0.0002	<0.0002	<0.0003	<0.0002	<0.0002	<0.0003	<0.0002	<0.0002		0.0005
Molybdenum	ug/L	<0.01			3.0	<0.01		2.3	<0.01		2.4		<0.01
Nickel	ug/L	0.23			<0.005	<0.008		<0.005	<0.008		<0.005		<0.008
Lead	ug/L	0.65	<0.05	0.004	0.80	<0.002	0.002	<0.0005	<0.002	<0.002	<0.0005		0.002
Selenium	ug/L	<0.001	<0.002	<0.001	<0.005	0.002	<0.001	<0.005	0.002	<0.001	<0.005		0.004
Silver	ug/L	0.01	<0.01	<0.005	<0.0005	<0.005	<0.005	<0.0005	<0.005	<0.005	<0.0005		<0.005
Thallium	ug/L	<0.005			<0.001	<0.005		<0.001	<0.005		<0.001		<0.005
Vanadium	ug/L	0.17			13	<0.015		12	<0.015		11		<0.015
Zinc	ug/L	0.83		<0.007	<0.005	<0.007	0.009	<0.005	<0.007	<0.007	<0.005		0.021
VOC	ug/L				<0.0005			<0.0005			<0.0005		

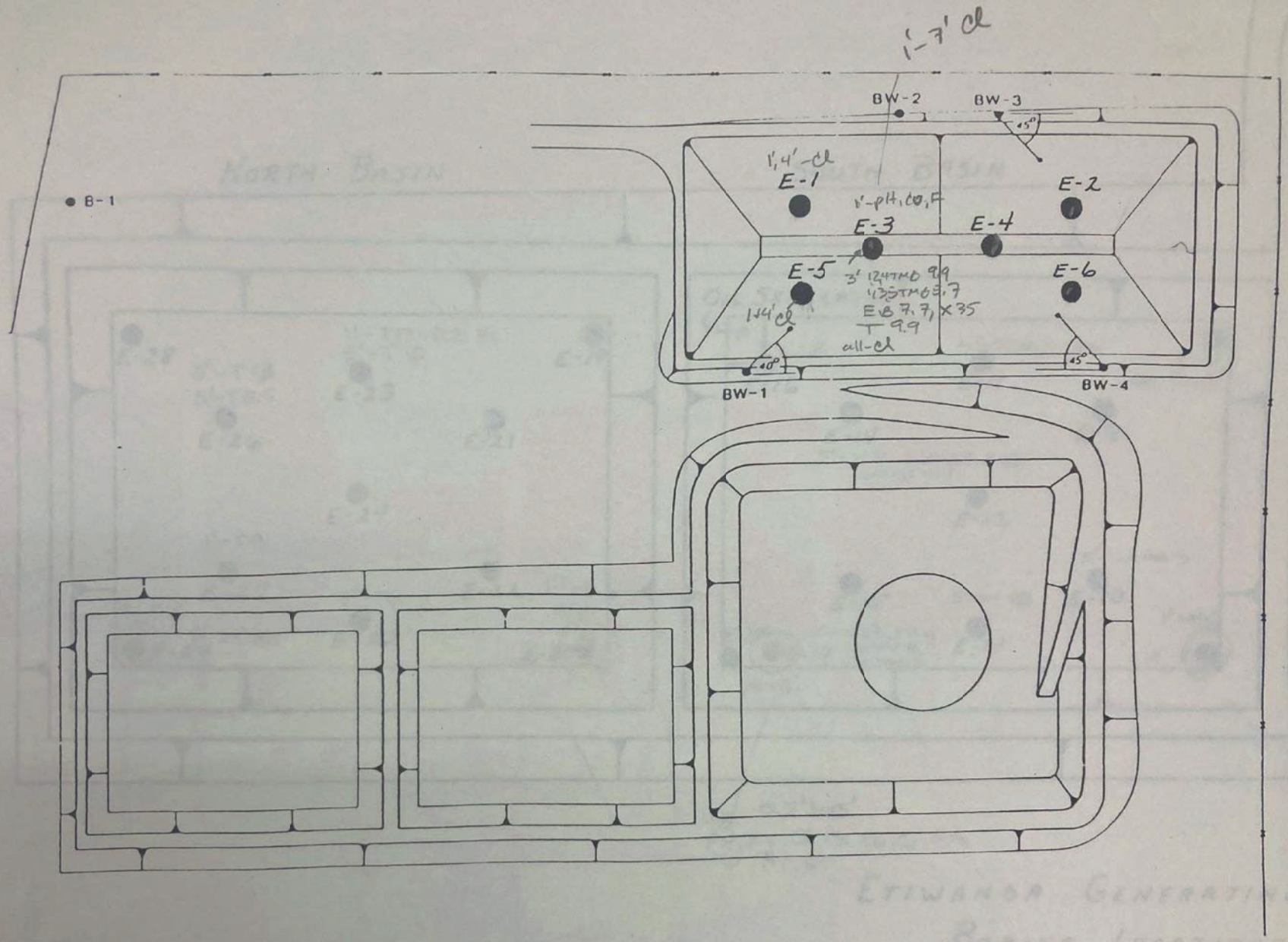


ETIWANDA GENERATING STATION

LOCATION OF BASINS

FIGURE 1

MONIWEL2



ETIWANDA GENERATING STATION

BORING LOCATIONS

BOILER CHEMICAL CLEANING BASIN

FIGURE 2

Calscience
Environmental
Laboratories, Inc.

ACCREDITED

March 10, 1997

Tony Landler
Southern California Edison
2244 Walnut Grove Avenue
Rosemead, CA 91770

Subject: **Calscience Work Order Number:** **97-02-384**
Client Reference: **Etiwanda G.S.-Chadwick Channel**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 02/28/97 and analyzed in accordance with the attached chain-of-custody.

The results in this analytical report are limited to the samples tested, and any reproduction of this report must be made in its entirety.

If you have any questions regarding this report, require sampling supplies or field services, or information on our analytical services, please feel free to call me at (714) 895-5494.

Sincerely,

Calscience Environmental
Laboratories, Inc.
William H. Christensen
Deliverables Manager

Steven L. Lane
Laboratory Director

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

ACCREDITED

Southern California Edison
2244 Walnut Grove Avenue
Rosemead, CA 91770

Attn: Tony Landler
RE: Etiwanda G.S.-Chadwick Channel

Date Sampled:	02/27/97
Date Received:	02/28/97
Date Digested:	02/28/97
Date Analyzed:	03/01/97
Work Order No.:	97-02-384
Method:	EPA 6010A
Page 1 of 1	

All concentrations are reported in mg/kg (ppm). Analyses for nickel were conducted on a total digestion.

Sample Number	Nickel Concentration	Reportable Limit
CCES3	5.5	2.5
CCEW3	4.8	2.5
CCEN3	4.0	2.5
CCEE3	5.4	2.5
CCEB	ND	2.5
CCEE6	5.0	2.5
Method Blank	ND	2.5

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501

Calscience Environmental Laboratories, Inc.

ACCREDITED

ANALYTICAL REPORT

Southern California Edison
2244 Walnut Grove Avenue
Rosemead, CA 91770

Attn: Tony Landler
RE: Etiwanda G.S.-Chadwick Channel

Date Sampled:	02/27/97
Date Received:	02/28/97
Date Digested:	02/28/97
Date Analyzed:	03/06/97
Work Order No.:	97-02-384
Method:	EPA 6010A
Page 1 of 1	

All concentrations are reported in mg/kg (ppm). Analyses for beryllium were conducted on a total digestion.

Sample Number	Beryllium Concentration	Reportable Limit
CCES3	ND	0.6
CCEW3	ND	0.6
CCEN3	ND	0.6
CCEE3	ND	0.6
CCEB	ND	0.6
CCEE6	ND	0.6
Method Blank	ND	0.6

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

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Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

ACCREDITED

Southern California Edison
2244 Walnut Grove Avenue
Rosemead, CA 91770

Date Sampled: 02/27/97
Date Received: 02/28/97
Date Digested: 02/28/97
Date Analyzed: 02/28/97-03/01/97
Work Order No.: 97-02-384

Attn: Tony Landler
RE: Etiwanda G.S.-Chadwick Channel

All concentrations are reported in mg/kg (ppm). Analyses for Title 22 metals were conducted on a total digestion.

Sample Number: CCW

Analyte	Method	Concentration	Reportable Limit
Antimony	EPA 6010A	ND	6.0
Arsenic	EPA 6010A	ND	5.0
Barium	EPA 6010A	107	10.0
Beryllium	EPA 6010A	1.2	0.6
Cadmium	EPA 6010A	ND	1.5
Chromium	EPA 6010A	20.2	2.5
Cobalt	EPA 6010A	10.2	2.5
Copper	EPA 6010A	22.7	2.5
Lead	EPA 6010A	20.7	6.0
Mercury	EPA 7471A	ND	0.25
Molybdenum	EPA 6010A	ND	2.5
Nickel	EPA 6010A	141	2.5
Selenium	EPA 6010A	ND	8.0
Silver	EPA 6010A	ND	2.5
Thallium	EPA 6010A	ND	8.0
Vanadium	EPA 6010A	145	2.5
Zinc	EPA 6010A	147	2.5

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

ACCREDITED

Southern California Edison
2244 Walnut Grove Avenue
Rosemead, CA 91770

Date Sampled: 02/27/97
Date Received: 02/28/97
Date Digested: 02/28/97
Date Analyzed: 02/28/97-03/01/97
Work Order No.: 97-02-384

Attn: Tony Landler
RE: Etiwanda G.S.-Chadwick Channel

All concentrations are reported in mg/kg (ppm). Analyses for Title 22 metals were conducted on a total digestion.

Sample Number: Method Blank

Analyte	Method	Concentration	Reportable Limit
Antimony	EPA 6010A	ND	6.0
Arsenic	EPA 6010A	ND	5.0
Barium	EPA 6010A	ND	10.0
Beryllium	EPA 6010A	ND	0.6
Cadmium	EPA 6010A	ND	1.5
Chromium	EPA 6010A	ND	2.5
Cobalt	EPA 6010A	ND	2.5
Copper	EPA 6010A	ND	2.5
Lead	EPA 6010A	ND	6.0
Mercury	EPA 7471A	ND	0.25
Molybdenum	EPA 6010A	ND	2.5
Nickel	EPA 6010A	ND	2.5
Selenium	EPA 6010A	ND	8.0
Silver	EPA 6010A	ND	2.5
Thallium	EPA 6010A	ND	8.0
Vanadium	EPA 6010A	ND	2.5
Zinc	EPA 6010A	ND	2.5

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

ACCREDITED

Southern California Edison
2244 Walnut Grove Avenue
Rosemead, CA 91770

Attn: Tony Landler
RE: Etiwanda G.S.-Chadwick Channel

Date Sampled: 02/27/97
Date Received: 02/28/97
Date Extracted: 02/27-28/97
Date Analyzed: 02/27-28/97
Work Order No.: 97-02-384
Method: EPA 8015M
Page 1 of 1

All total petroleum hydrocarbon concentrations are reported in mg/kg (ppm) using a 1:1 gasoline:diesel fuel mixture as a standard.

Sample Number	Concentration	Reportable Limit
CCW	ND	10
Method Blank	ND	10

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

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Calscience Environmental Laboratories, Inc.

ACCREDITED

ANALYTICAL REPORT

Southern California Edison
2244 Walnut Grove Avenue
Rosemead, CA 91770

Attn: Tony Landler
RE: Etiwanda G.S.-Chadwick Channel

Date Sampled: 02/27/97
Date Received: 02/28/97
Date Extracted: P/T
Date Analyzed: 03/02/97
Work Order No.: 97-02-384
Method:EPA 8260A (8240B analytes)

All concentrations are reported in µg/kg (ppb).

Sample Number: CCW

Analyte	Conc	Reportable Limit	Analyte	Conc	Reportable Limit
Acetone	ND	125	Trans-1,2-Dichloroethene	ND	5
Benzene	ND	5	1,2-Dichloropropane	ND	5
Bromodichloromethane	ND	5	Cis-1,3-Dichloropropene	ND	5
Bromoform	ND	5	Trans-1,3-Dichloropropene	ND	5
Bromomethane	ND	5	Ethylbenzene	ND	5
2-Butanone (MEK)	ND	125	2-Hexanone	ND	10
Carbon Disulfide	ND	10	Methylene Chloride	ND	50
Carbon Tetrachloride	ND	10	4-Methyl-2-Pentanone	ND	10
Chlorobenzene	ND	5	Styrene	ND	5
Chloroethane	ND	10	1,1,1,2-Tetrachloroethane	ND	5
2-Chloroethyl Vinyl Ether	ND	10	1,1,2,2-Tetrachloroethane	ND	5
Chloroform	ND	5	Tetrachloroethene	ND	5
Chloromethane	ND	10	Toluene	ND	5
Dibromochloromethane	ND	5	1,1,1-Trichloroethane	ND	5
1,2-Dichlorobenzene	ND	5	1,1,2-Trichloroethane	ND	5
1,3-Dichlorobenzene	ND	5	Trichloroethene	ND	5
1,4-Dichlorobenzene	ND	5	Trichlorofluoromethane	ND	25
Dichlorodifluoromethane	ND	5	Vinyl Acetate	ND	5
1,1-Dichloroethane	ND	5	Vinyl Chloride	ND	5
1,2-Dichloroethane	ND	10	m,p-Xylenes	ND	5
1,1-Dichloroethene	ND	5	o-Xylene	ND	5
Cis-1,2-Dichloroethene	ND	5			

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

ACCREDITED

Southern California Edison
2244 Walnut Grove Avenue
Rosemead, CA 91770

Attn: Tony Landler
RE: Etiwanda G.S.-Chadwick Channel

Date Sampled: 02/27/97
Date Received: 02/28/97
Date Extracted: P/T
Date Analyzed: 03/02/97
Work Order No.: 97-02-384
Method: EPA 8260A (8240B analytes)
Page 2 of 2

All concentrations are reported in µg/kg (ppb).

Sample Number: Method Blank

Analyte	Conc	Reportable Limit	Analyte	Conc	Reportable Limit
Acetone	ND	125	Trans-1,2-Dichloroethene	ND	5
Benzene	ND	5	1,2-Dichloropropane	ND	5
Bromodichloromethane	ND	5	Cis-1,3-Dichloropropene	ND	5
Bromoform	ND	5	Trans-1,3-Dichloropropene	ND	5
Bromomethane	ND	5	Ethylbenzene	ND	5
2-Butanone (MEK)	ND	125	2-Hexanone	ND	10
Carbon Disulfide	ND	10	Methylene Chloride	ND	50
Carbon Tetrachloride	ND	10	4-Methyl-2-Pentanone	ND	10
Chlorobenzene	ND	5	Styrene	ND	5
Chloroethane	ND	10	1,1,1,2-Tetrachloroethane	ND	5
2-Chloroethyl Vinyl Ether	ND	10	1,1,2,2-Tetrachloroethane	ND	5
Chloroform	ND	5	Tetrachloroethene	ND	5
Chloromethane	ND	10	Toluene	ND	5
Dibromochloromethane	ND	5	1,1,1-Trichloroethane	ND	5
1,2-Dichlorobenzene	ND	5	1,1,2-Trichloroethane	ND	5
1,3-Dichlorobenzene	ND	5	Trichloroethene	ND	5
1,4-Dichlorobenzene	ND	5	Trichlorofluoromethane	ND	25
Dichlorodifluoromethane	ND	5	Vinyl Acetate	ND	5
1,1-Dichloroethane	ND	5	Vinyl Chloride	ND	5
1,2-Dichloroethane	ND	10	m,p-Xylenes	ND	5
1,1-Dichloroethene	ND	5	o-Xylene	ND	5
Cis-1,2-Dichloroethene	ND	5			

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT
EPA 8081 PCBs Only

ACCREDITED

Client Name:	Southern California Edison		
Project ID:	Etiwanda G.S.-Chadwick Channel		
Work Order Number:	97-02-384		
QC Batch ID:	970228sx	Date Collected:	02/27/97
Matrix:	Solid	Date Received:	02/28/97
Extraction:	EPA 3540B	Date Extracted:	02/28/97
Method:	EPA 8081	Date Analyzed:	03/03/97

Client Sample Number: **CCW**
Lab Sample Number: 97-02-384-11

Parameter	Result	RL	Qualifiers	Units
Aroclor-1016	ND	100		ug/kg
Aroclor-1221	ND	100		ug/kg
Aroclor-1232	ND	100		ug/kg
Aroclor-1242	ND	100		ug/kg
Aroclor-1248	ND	100		ug/kg
Aroclor-1254	370	100		ug/kg
Aroclor-1260	ND	100		ug/kg
Aroclor-1262	ND	100		ug/kg

Surrogates:	REC (%)	Control Limits	Qualifiers
Decachlorobiphenyl	110	50-130	
2,4,5,6-Tetrachloro-m-Xylene	85	50-130	

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Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT
EPA 8081 PCBs Only

ACCREDITED

Client Name:	Southern California Edison		
Project ID:	Etiwanda G.S.-Chadwick Channel		
Work Order Number:	97-02-384		
QC Batch ID:	970228sx	Date Collected:	N/A
Matrix:	Solid	Date Received:	N/A
Extraction:	EPA 3540B	Date Extracted:	02/28/97
Method:	EPA 8081	Date Analyzed:	03/03/97

Client Sample Number: **Method Blank**
Lab Sample Number: 095-01-014-480

Parameter	Result	RL	Qualifiers	Units
Aroclor-1016	ND	100		ug/kg
Aroclor-1221	ND	100		ug/kg
Aroclor-1232	ND	100		ug/kg
Aroclor-1242	ND	100		ug/kg
Aroclor-1248	ND	100		ug/kg
Aroclor-1254	ND	100		ug/kg
Aroclor-1260	ND	100		ug/kg
Aroclor-1262	ND	100		ug/kg

Surrogates:	REC (%)	Control Limits	Qualifiers
Decachlorobiphenyl	111	50-130	
2,4,5,6-Tetrachloro-m-Xylene	90	50-130	

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Calscience Environmental Laboratories, Inc.

ACCREDITED

QUALITY ASSURANCE SUMMARY

ICP / GF Metals (Solids)

Southern California Edison
Page 1 of 1

Work Order No.: 97-02-384
Date Analyzed: 02/14-18/97

Matrix Spike/Matrix Spike Duplicate
Sample Spiked: 97-02-196-1

Analyte	Method	MS%REC	MSD%REC	Control Limits	%RPD	Control Limits
Antimony	EPA 6010A	102	95	80 - 120	8	0 - 20
Arsenic	EPA 6010A	102	98	80 - 120	3	0 - 20
Barium	EPA 6010A	92	92	80 - 120	0	0 - 20
Beryllium	EPA 6010A	96	93	80 - 120	3	0 - 20
Cadmium	EPA 6010A	90	87	80 - 120	4	0 - 20
Chromium	EPA 6010A	92	92	80 - 120	0	0 - 20
Cobalt	EPA 6010A	91	89	80 - 120	2	0 - 20
Copper	EPA 6010A	96	95	80 - 120	1	0 - 20
Lead	EPA 6010A	94	95	80 - 120	1	0 - 20
Mercury	EPA 7471A	118	112	50 - 130	5	0 - 30
Molybdenum	EPA 6010A	88	81	80 - 120	7	0 - 20
Nickel	EPA 6010A	94	93	80 - 120	1	0 - 20
Selenium	EPA 6010A	95	96	80 - 120	1	0 - 20
Silver	EPA 6010A	88	90	80 - 120	2	0 - 20
Thallium	EPA 6010A	79	82	80 - 120	3	0 - 20
Vanadium	EPA 6010A	94	91	80 - 120	4	0 - 20
Zinc	EPA 6010A	91	89	80 - 120	2	0 - 20

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Calscience Environmental Laboratories, Inc.

ACCREDITED

QUALITY ASSURANCE SUMMARY

ICP / GF Metals (Solids)

Southern California Edison
Page 1 of 1

Work Order No.: 97-02-384
Date Analyzed: 03/03/97

Matrix Spike/Matrix Spike Duplicate
Sample Spiked: 97-02-229-21

Analyte	Method	MS%REC	MSD%REC	Control Limits	%RPD	Control Limits
Nickel	EPA 6010A	96	97	80 - 120	0	0 - 20

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QUALITY ASSURANCE SUMMARY

Method EPA 8015M - G & D

Southern California Edison
Page 1 of 1

Work Order No.: 97-02-384
Date Analyzed: 02/27/97

Matrix Spike/Matrix Spike Duplicate
Sample Spiked: 97-02-259-91

Analyte	MS%REC	MSD%REC	Control Limits	%RPD	Control Limits
Total Petroleum Hydrocarbons	116	124	55 - 135	7	0 - 30

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(384)

Chain Of Custody Record

SOUTHERN CALIFORNIA EDISON
ENVIRONMENTAL AFFAIRS

48hr. TAT

DATE February 27, 1997 PAGE 1 OF 1

SOUTHERN CALIFORNIA EDISON
P. O. Box 800, Room 405, GO 1
Rosemead CA 91770
FAX 818-302-9730
Attn: Tony Landler PH.# 818-302-8692

Project Location: Etiwanda G.S. - Chadwick Channel Excavation

SAMPLERS SIGNATURE Tony Landler

SAMPLE #	DATE	TIME	LOCATION	CAM METALS (16)	PR. POLLUTANT METALS (13)	GENERAL MINERALS	OIL & GREASE	PETROLEUM HYDROCARBONS (418.1)	BASE/NEU/ACIDS (ORGANICS)	PESTICIDES PCB (8080)	VOLATILE ORGANICS (8010, 8240	VOLATILE ORGANICS (602)	TOC/TOX	FUEL HYDROCARBON (8015, MODIFIED)	Nickel					NUMBER OF CONTAINERS 8oz	OBSERVATIONS/ COMMENTS
				PARAMETERS											OTHER						
CCES4	4/27/97	9:35	South wall 4' bgs												✓					1	Hold - do not analyse
CCEW4		9:40	West " "																		
CCEN4		9:45	North " "																		
CCEE4		9:50	East " "																		
CCES3		11:10	South wall 3' bgs																		
CCEW3		11:15	West " "																		
CCEN3		11:20	North " "																		
CCEE3		11:25	East " "																		
CCEB		11:30	Center 6' bgs																		
CCEE6		11:35	East wall 6' bgs																		
CCW		11:50	Waste Bins Comp.	✓						✓	✓			✓	✓					✓	Composite

RELINQUISHED BY	DATE	RECEIVED BY	DATE	RELINQUISHED BY	DATE	RECEIVED BY (Laboratory)	DATE
Signature: Tony Landler	4/28/97	Signature: REY PANGANIBAN	2/28/97	Signature: REY PANGANIBAN	2/28/97	Signature: V. Buchman	02/28/97
Printed Name: Tony Landler	TIME 9:50	Printed Name: CALSCIENCE	TIME 8:40	Printed Name: CALSCIENCE	TIME 10:20	Printed Name: Buchman	TIME 1020
Company: SCE		Company		Company		Company: CALSCIENCE	

11 TOTAL NO. OF CONTAINERS

METHOD OF SHIPMENT: SCE Vehicle

SPECIAL SHIPMENT/HANDLING OR STORAGE REQUIREMENTS: On Ice

Rev. 5/89

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

ACCREDITED

Southern California Edison
2244 Walnut Grove Avenue
Rosemead, CA 91770

Attn: Tony Landler
RE: Etiwanda G.S., Chadwick Channel

Date Sampled: 02/14/97
Date Received: 02/18/97
Date Digested: 02/18/97
Date Analyzed: 02/18/97
Work Order No.: 97-02-229
Method: EPA 6010A

All concentrations are reported in mg/kg (ppm). Analyses for nickel were conducted on a total digestion.

Sample Number	Nickel Concentration	Reportable Limit
CC1-0.5	67.2	2.5
CC1-2.5	8.9	2.5
CC1-5.0	25.5	2.5
CC2-0.5	124	2.5
CC2-2.5	5.8	2.5
CC2-5.0	4.7	2.5
CC3-0.5	5.3	2.5
CC3-2.5	12.6	2.5
CC3-5.0	49.2	2.5
CC4-0.5	14.5	2.5
CC4-2.5	4.8	2.5
CC4-3.5	24.7	2.5
CC5-0.5	9.6	2.5
CC5-2.5	5.4	2.5
CC5-3.5	97.5	2.5
CC6-0.5	13.6	2.5
CC6-2.5	8.7	2.5
CC7-0.5	35.7	2.5
CC7-2.5	7.4	2.5

Calscience Environmental Laboratories, Inc.

ANALYTICAL REPORT

ACCREDITED

Southern California Edison
2244 Walnut Grove Avenue
Rosemead, CA 91770

Attn: Tony Landler
RE: Etiwanda G.S., Chadwick Channel

Date Sampled:	02/14/97
Date Received:	02/18/97
Date Digested:	02/18/97
Date Analyzed:	02/18/97
Work Order No.:	97-02-229
Method:	EPA 6010A
Page 2 of 2	

All concentrations are reported in mg/kg (ppm). Analyses for nickel were conducted on a total digestion.

Sample Number	Nickel Concentration	Reportable Limit
CC8-0.5	124	2.5
CC8-2.5	ND	2.5
CC9-0.5	6.2	2.5
CC9-2.5	19.6	2.5
CC10-0.5	52.7	2.5
CC10-2.3	158	2.5
CC11-5.0	9.7	2.5
Method Blank #1	ND	2.5
Method Blank #2	ND	2.5

ND denotes not detected at indicated reportable limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

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Chain Of Custody Record

229

SOUTHERN CALIFORNIA EDISON
ENVIRONMENTAL AFFAIRS

72-hr T.A.T

DATE February 14, 1997 PAGE 1 OF 2

SOUTHERN CALIFORNIA EDISON
P. O. Box 800, Room 405, GO 1
Rosemead CA 91770
FAX 818-302-8730
Attn: Tony Landler PH.# 818-302-8642

Project Location: Etiwanda G.S. Chadwick Channel

SAMPLERS SIGNATURE Tony Landler

SAMPLE #	DATE	TIME	LOCATION
CC1-0.5	2/14/97	11:35	N10 E1
CC1-2.5		11:43	"
CC1-5.0		11:53	"
CC2-0.5		11:57	N5 W5
CC2-2.5		12:05	"
CC2-5.0		12:10	"
CC3-0.5		12:15	N0 W10
CC3-2.5		12:20	"
CC3-5.0		12:27	"
CC4-0.5		12:32	S5 W5
CC4-2.5		12:37	"
CC4-(3.5)		12:45	"
CC5-0.5		12:52	S10 E1
CC5-2.5		12:57	"

PARAMETERS / OTHER

CAM METALS (16)	PR. POLLUTANT METALS (13)	GENERAL MINERALS	OIL & GREASE	PETROLEUM HYDROCARBONS (418.1)	BASE/NEUTRALS/ACIDS (ORGANICS)	PESTICIDES	VOLATILE ORGANICS (601)	VOLATILE ORGANICS (602)	TOC/TOX	FUEL HYDROCARBON (8015, MODIFIED)	Nickel						NUMBER OF CONTAINERS	OBSERVATIONS/ COMMENTS
											✓						1	
																	1	
																		Obstruction @ 3.5'

RELINQUISHED BY: Tony Landler — Signature: Tony Landler — Printed Name: SCE — Company: — DATE: 2/18/97 — TIME: 8:45 AM

RECEIVED BY: Rey — Signature: REY PARCHAMENTO — Printed Name: CALSCIENCE — Company: — DATE: 2/18/97 — TIME: 0845

RELINQUISHED BY: Rey — Signature: REY PARCHAMENTO — Printed Name: CALSCIENCE — Company: — DATE: 2/18/97 — TIME: 1020

RECEIVED BY (Laboratory): — Signature: SAY PATEL — Printed Name: — Company: Calscience — DATE: 2/18/97 — TIME: 1020

14 TOTAL NO. OF CONTAINERS

METHOD OF SHIPMENT: Vehicle

SPECIAL SHIPMENT/HANDLING OR STORAGE REQUIREMENTS: On Ice

Rev. 5/89

Chain Of Custody Record

SOUTHERN CALIFORNIA EDISON
ENVIRONMENTAL AFFAIRS

72hr. T.A.T

DATE February 14, 1997 PAGE 2 OF 2

SOUTHERN CALIFORNIA EDISON
P. O. Box 800, Room 405, GO 1
Rosemead CA 91770
Attn: Tony Landler FAX 818-302-9730
PH.# 818-302-8642

Project Location: Etiwanda G.S., Chadwick Channel

SAMPLERS SIGNATURE Tony Landler

SAMPLE #	DATE	TIME	LOCATION	CAM METALS (16)	PR. POLLUTANT METALS (13)	GENERAL MINERALS	OIL & GREASE	PETROLEUM HYDROCARBONS (418.1)	BASE/NEUTRALS (ORGANICS)	PESTICIDES	VOLATILE ORGANICS (601)	VOLATILE ORGANICS (602)	TOC/TOX	FUEL HYDROCARBON (8015, MODIFIED)	Nickel	NUMBER OF CONTAINERS	OBSERVATIONS/ COMMENTS
CC5-3.5	2/14/97	1:03	S10 E1												✓	1	Obstruction @ 3.5'
CC6-0.5		1:57	N1S W5														
CC6-2.5		2:04	"														
CC7-0.5		2:08	N10 W10														
CC7-2.5		2:12	"														
CC8-0.5		2:17	N0 W1														
CC8-2.5		2:33	"														
CC9-0.5		2:24	S1 W10														
CC9-(2.5)		2:34	"														
CC10-0.5		2:41	S15 W5														Obstruction @ 2.5'
CC10-(6.3)		2:46	"														
CC11-5.0		2:59	S18 W10														Obstruction @ 2.3'
~~CC6~~ -																	

RELINQUISHED BY	DATE	RECEIVED BY	DATE	RELINQUISHED BY	DATE	RECEIVED BY Laboratory	DATE
Signature: Tony Landler	2/15/97	Signature: Rey Parchamond	2/18/97	Signature: Rey Parchamond	2/18/97	Signature: [illegible]	10/14
Printed Name: SCE	TIME 8:45AM	Printed Name: Conscience	TIME 0846	Printed Name: Conscience	TIME 1020	Printed Name: JAY PATEL	TIME 1010
Company		Company		Company		Company: Calscience	

12 TOTAL NO. OF CONTAINERS

METHOD OF SHIPMENT: Vehicle

SPECIAL SHIPMENT/HANDLING OR STORAGE REQUIREMENTS: On Ice

Rev. 5/09

03/24/97 09:20 FAX 310 424 4062 MANESS INDUST. ATTACHMENT

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

Manifest #

Date	Responsible for Payment	Transporter Truck #:	Facility#:	Given by TPS	Load #
19 97	Generator	2409-2404	A07	08366	001

Generator and/or Consultant

Generator's Name and Billing Address:
SOUTHERN CALIFORNIA EDISON
ACCOUNTS PAYABLE
P.O. BOX 700
ROSEMEAD, CA 91770 USA

Generator's Phone #: (818) 302-~~9730~~ 8692
Generator's US EPA ID No.: CAD079548574
Person to Contact: ~~THANOS TREZOS~~ Tony Lundler
FAX#: (818) 302-~~4332~~ 5730
Customer Account Number with TPS: 1000164

Consultant's Name and Billing Address:
MANESS ENV. SERVICES, INC.
1101 E. SPRING STREET
LONG BEACH, CA 90809 USA

Consultant's Phone #: (310) 595-4555
Person to Contact: RICHARD OKUDA
FAX#: (310) 492-6495
Customer Account Number with TPS: 1000969

Generation Site (Transport from): (name & address)
ETIWANDA GENERATING STATION
CHADWICK CHANNEL
RANCHO CUCAMONGA, CA 91730 USA

Site Phone #: 909-899-7253
Person to Contact: [illegible]
FAX#: 909-899-7222
BETX Levels: ND
TPH Levels: 1-1700 ppm
AVG. Levels:

Designated Facility (Transport to): (name & address)
TPS TECHNOLOGIES
12328 HIBISCUS AVE.
Adelanto, CA 92301 USA

Facility Phone #: 800-862-8001
Person to Contact: DARREN R. BARTLETT
FAX#: 619-246-8004
Facility Permit Numbers:

Transporter's Name and Mailing Address:
MANESS ENV. SERVICES, INC.
1101 E. SPRING STREET
LONG BEACH, CA 90809 USA

Transporter's Phone #: (310) 595-4555
Person to Contact: RICHARD OKUDA
FAX#: (310) 492-6495
Transporter's US EPA ID No.:
Transporter's DOT No.:
Customer Account Number with TPS: MANESS

Description of Soil	Moisture Content	Contaminated by	Approx. Qty.	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☒ Organic ☐ Clay ☐ Other ☐	0-10% ☒ 10-20% ☐ 20%-over ☐	Gas ☐ Diesel ☐ Other ☒			76600	41000	35380
Sand ☐ Organic ☐ Clay ☐ Other ☐	0-10% ☐ 10-20% ☐ 20%-over ☐	Gas ☐ Diesel ☐ Other ☐					17167

Use any exception to items listed above: 17166

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Tony Lundler Generator ☒ Consultant ☐
Signature and date: Tony Lundler Month 3 Day 17 Year 97

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Greg Mariscal
Signature and date: Greg Mariscal Month 03 Day 19 Year 97

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Bartlett/S. Clements
Signature and date: Sandy Cle 3-19-97

Please print or type

TRANSPORTER'S COPY

APPENDIX B

Appendix C

Sample Location Control Data
Etiwanda Generating Station

Soil Boring ID	Sample Location Description
Aboveground Storage Tanks	
NEFO-1	5 feet northwest (radially) from northwestern portion of perimeter of north east fuel oil tank.
NEFO-2	3 feet northeast (radially) from northeastern portion of perimeter of north east fuel oil tank.
NEFO-3	5 feet southeast (radially) from southeastern portion of perimeter of north east fuel oil tank.
NWFO-1	5 feet northwest (radially) from northwestern portion of perimeter of north west fuel oil tank.
NWFO-2	5 feet northeast (radially)from northeastern portion of perimeter of north west fuel oil tank.
NWFO-3	15 feet southeast (radially) from southeastern portion of perimeter of north west fuel oil tank.
CEFO-1	7 feet north-northwest of portal on western side of center east fuel oil tank.
CEFO-2	30 feet north-northwest of portal on northeastern side of center east fuel oil tank.
CEFO-3	East of center east fuel oil tank on eastern perimeter of containment pad.
CWFO-1	11 feet west of Portal on western side of center west fuel oil tank.
CWFO-2	5 feet north of center west fuel oil tank.
CWFO-3	6 feet south-southeast of Portal on southeastern side of center west fuel oil tank.
COS-1	2 feet northeast of sump for western displacement oil storage tank.
COS-2	10 feet east of western displacement oil storage tank.
DF-1	3 feet east of east perimeter sump grate, for the distillate fuel tank loading area

Appendix C

Sample Location Control Data
Etiwanda Generating Station

Soil Boring ID	Sample Location Description
Transformers	
PBT-1	On western portion of eastern block of Transformer(s), approximately 60 feet north of northeastern corner of administration building.
PBT-2	On eastern portion of eastern block of Transformer(s), approximately 60 feet north and 100 feet east of northeastern corner of administrative building.
PBT-3	On western portion of western block of Transformer(s), approximately 60 feet north and 60 feet west of northwestern corner of administrative building.
PBT-4	On eastern portion of western block of Transformer(s), approximately 60 feet north of northwestern corner of administrative building.
PBT-5	10 feet south and 1.5 feet west of southwestern corner of Transformer containment pad.
PBT-6	5 feet west of northwestern corner of Transformer.
PBT-7	4 feet east of center eastern Transformer concrete pad south of Peaker Unit.
Surface Water Discharge	
SD-1	4 feet south of the northern perimeter fence, at discharge of concrete ditch north of Unit 4 Cooling Tower.
SD-2	50 feet east of the southeastern corner of Unit 4 Cooling Tower, at centerline of Chadwick Channel.
SD-3	10 feet west of northwestern corner of facility perimeter fence, at centerline of surface drainage path.
SD-4	400 feet south of southwestern corner of facility perimeter fenceline, at centerline of surface drainage path.
SD-5	At center of southern edge of spreading basin south of the facility.
SD-6	70 feet south of the southwestern corner of the berm for the distillate oil tank, 2 feet south of the facility perimeter fenceline, at centerline of surface drainage path.
Pipelines	
PL-1	1.5 feet north and 1.5 feet west of northwestern corner of sump which is located approximately 150 feet north-northwest of center west fuel oil tank.
PL-2	20 feet south of southwestern corner of loading dock.
PL-3	5 feet north of southern wall and 10 feet east of western wall on second level below catwalk.

Appendix C

Sample Location Control Data
Etiwanda Generating Station

Soil Boring ID	Sample Location Description
PL-4	10 feet south of northern wall and 45 feet east of western wall in fuel oil heater sump south of north east fuel oil tank.
PL-5	20 feet south and 3 feet east of northeastern corner of loading rack.
PL-6	5 feet north and 5 feet west of southwestern corner of containment berm for distillate fuel storage area.
PL-7	42 feet south of southeastern corner of transformer pad outside Peaker Building.
PL-8	78 feet west of centerline of Lakeshore Drive and 45 feet north of centerline of westbound side of Etiwanda Parkway.
PL-9	2 feet south and 55 feet west of northwestern corner of Scrap Metal Yard.
PL-10	4 feet south and 10 feet west of southwestern corner of Peaker Building.
PL-11	6 feet south and 10 feet west of southwestern corner of Peaker Building.
PL-12	10 feet south of northern wall and 49 feet east of western wall in fuel oil heater sump south of north east fuel oil tank.
PL-13	4 feet south and 55 feet west of northwestern corner of Scrap Metal Yard.
Cooling Towers	
CT-1&2-1	2 feet northwest of northwestern corner of west tower of Unit Nos. 1 and 2 Cooling Towers.
CT-1&2-2	10 feet north of northeastern corner of center west tower of Unit Nos. 1 and 2 Cooling Towers.
CT-1&2-3	5 feet east of southeastern corner of center east tower of Unit Nos. 1 and 2 Cooling Towers.
CT-3-1	4 feet south of southeastern corner of Unit No. 3 Cooling Tower.
CT-3-2	10 feet south and 50 feet east of center of southern side of Unit No. 3 Cooling Tower.
CT-3-3	4 feet northwest of northwestern corner of Unit No. 3 Cooling Tower.
CT-4-1	3 feet south and 1 foot west of northwestern corner of the Unit No. 4 Cooling Tower.
CT-4-2	5 feet north and 10 feet east of center of northern side of Unit No. 4 Cooling Tower.
CT-4-3	5 feet south and 15 feet west of southeastern corner of Unit No. 4 Cooling Tower.

Appendix C

Sample Location Control Data
Etiwanda Generating Station

Soil Boring ID	Sample Location Description
Hazardous Waste Storage Area	
HW-1	3 feet east-southeast of the southeastern corner of the Hazardous Waste Storage Area.
Solid Waste Disposal Area (Landfill)	
LF-1	190 feet south of northern perimeter fence and 70 feet east of western perimeter fence.
LF-2	120 feet south of northern perimeter fence and 85 feet east of western perimeter fence.
LF-3	370 feet south of northern perimeter fence and 34 feet east of western perimeter fence.
Scrap Metal Yard	
SMY-1	1 foot south and 15 feet west of southwestern corner of Scrap Metal Yard brick wall.
Septic Systems	
SS-1	10 feet east of eastern side of existing shops and 20 feet south of southern side of metal shop.
SS-2	30 feet east-southeast of southeastern corner of metal shop.
SS-3	30 feet east of N 220 KV Bus on road surface.
SS-4	60 feet south of northwestern corner of the northern waste water sump, 10 feet west of fence.
SS-5	38 feet north and 38 feet west of southeastern corner of transformer.
SS-6	45 feet north and 11 feet west of southeastern corner of transformer.
Site of 1995 Reported Transformer Oil Spill	
OS-1	38 feet north and 14 feet west of southeastern corner of transformer.
OS-2	38 feet north and 28 feet west of southeastern corner of transformer.

Appendix C

Sample Location Control Data
Etiwanda Generating Station

Soil Boring ID	Sample Location Description
Vineyard Water Tank	
CS-1	Center of Vineyard Water Tank located south of the 66 KV Switchyard.
CS-2	1 foot east of the eastern side of the Vineyard Water Tank, below a steel pipe set through the wall.
Peaker Unit Floor Drain and Sump	
PU-1	Inside Peaker Building, 1 foot northeast of drain and 20 feet from western wall.
PU-2	3 feet west and 5 feet south of northwestern corner of Peaker Building.
PU-3	3 feet southeast of southeastern corner of floor drain sump.
Bone Yard (Laydown Area)	
BY-1	13 feet south and 25 feet east of northwestern corner of the Bone Yard.
BY-2	15 feet south and 55 feet west of the northeastern corner of the Bone Yard.
BY-3	90 feet north and 3 feet east of the northern southeastern corner of the Bone Yard.
BY-4	20 feet north and 50 feet east of the southern southeastern corner of the Bone Yard.
Powerblock	
CCD	20 feet south of oil/water blowdown discharge point, 2 feet west of eastern toe of embankment.
CCU	20 feet north of oil/water blowdown discharge point, 2 feet west of eastern toe of embankment.
PB-1	5 feet west of oil/water blowdown discharge (on eastern bank of water channel).
PB-2	40 feet north-northwest of northern area tanks, north of boiler furnace.
PB-3	2 feet west of center of western wall of oil/water separator.
PB-4	1 foot west of center of western side of sump inside turbine lube oil room.
PB-5	1 foot south of unit no. 2 building.
PB-6	60 feet west-southwest of distilled water aboveground storage tank.

Appendix C

Sample Location Control Data
Etiwanda Generating Station

Soil Boring ID	Sample Location Description
PB-7	2 feet east-northeast of manhole between fuel oil heater pipelines.
PB-8	10 feet west of pipe rack supports and 20 feet north of northern edge of Unit Nos. 3 & 4 Control Room Building.
Switchyard Perimeter	
SYP-1	36 feet south and 75 feet east of southeastern perimeter of southern Switchyard.
SYP-2	40 feet south and 35 feet east of southeastern corner of the Transformer pad of the northern Switchyard.
SYP-3	25 feet south and 7 feet west of southwestern corner of Brick Building in western perimeter of northern Switchyard.
SYP-4	250 feet west of eastern portion of Switchyard perimeter and 5 feet north of northern Switchyard perimeter.
SYP-5	65 feet north of southeastern corner of northern Switchyard and 10 feet east of center line of road.
SYP-6	At base of storm sewer outfall on eastern perimeter of southern Switchyard.
Sulfuric Acid Storage Tanks	
SA3-1	4 feet west-southwest of southwestern corner of Sulfuric Acid Storage Tank.
SA3-2	12 feet east of northeastern corner of Sulfuric Acid Storage Tank.
SA4-1	2 feet south and 2 feet west of southeastern corner of berm for Sulfuric Acid Storage Tank.
SA4-2	42 feet south and 125 feet east of southeastern corner of berm for Sulfuric Acid Storage Tank, 10 feet north of northern side of channel.
SA1&2-1	2 feet west of center of western side of Sulfuric Acid Storage Tank.
SA1&2-2	2 feet south of center of southern side of Sulfuric Acid Storage Tank.
Former Water Softener and Brine Pit	
FBP-1	15 feet east of northeastern corner of degreaser.
FBP-2	15 feet east of eastern side of degreaser and 25 feet north of water treatment building.

Appendix C

Sample Location Control Data
Etiwanda Generating Station

Soil Boring ID	Sample Location Description
Possible Underground Storage Tank (Drawing 5625202)	
UST-1	2 feet south east of southeastern corner of carport.
UST-2	3 feet east and 30 feet north of southeastern corner of carport.
Boiler Wash Water Storage Tank Area and Units 1 and 2 Cooling Tower Sludge Dewatering Area	
BW-1	40 feet west (longitudinally) and 3 feet north (perpendicular) of northeastern corner of Boiler Wash Water Storage Tanks wall.
BW-2	56 feet west (longitudinally) and 15 feet south (perpendicular) of southeastern corner of Boiler Wash Water Storage Tanks wall.
BW-3	72 feet east (longitudinally) and 28 feet south (perpendicular) of southwestern corner of Boiler Wash Water Storage Tanks wall.
Utility Pole Storage	
UP-1	Approximately 150 feet west and 110 feet south of the west well west of the facility.
UP-2	Approximately 350 feet west and 200 feet south of the west well west of the facility.
Second Solid Waste Disposal Area (Second Landfill)	
LF2-1	Approximately 100 feet east and 70 feet north of the northwestern corner of the spreading basin.
LF2-2	Approximately 60 feet east and 20 feet north of the northwestern corner of the spreading basin.
Agricultural Research Area	
AR-1	Approximately 300 feet west and 150 feet north of the middle well, west of the spreading basin.
AR-2	Approximately 150 feet west and 150 feet north of the middle well, west of the spreading basin.
AR-3	1 foot west of the southwestern corner of the concrete pad northeast of the spreading basin.

Department of Toxic Substances Control

Jesse R. Huff, Director
5796 Corporate Avenue
Cypress, California 90630

Pete Wilson
Governor

Peter M. Rooney
Secretary for
Environmental
Protection

MEMORANDUM

TO: Adela Weinstein
Hazardous Substances Scientist
Facility Permitting Branch

FROM: Chris A. Guerre, C.HG.
Hazardous Substances Engineering Geologist
Geological Services Unit

DATE: June 25, 1998

SUBJECT: LEAK DETECTION INVESTIGATION REPORT
ETIWANDA GENERATING STATION
SOUTHERN CALIFORNIA EDISON

The Geological Services Unit (GSU) of the Department of Toxic Substances Control (DTSC) reviewed an investigative report (report), dated June 11, 1997, prepared by Pat Hamilton for Southern California Edison (SCE) and titled ***Leak Detection Investigation Etiwanda Generating Station.*** The report presents results of soil gas and soil sampling activities at the Boiler Chemical Cleaning Basin (BCCB) and the North and South Retention Basin (NRB and SRB respectively). The report concludes that minor leakage has occurred below the BCCB, NRB, and SRB. The following comments present GSU concerns or requests related to the report. These concerns were discussed with SCE's geologist on June 19, 1998. A workplan should be prepared by SCE to address the General Comments below. The Specific Comments may be addressed in SCE's closure report for the Etiwanda Generating Station. Questions regarding this memo should be directed to Chris Guerre at (714) 484-5422.

General Comments

A. Additional site characterization data are needed at all three basins since the vertical extent of contamination has not been determined below each basin. At the BCCB, where the least amount of impact has been detected, elevated chloride and low pH persist to terminal depth in a few boreholes. Volatile organic compounds (VOCs) were also reported in borehole E-3. At the NRB and SRB, some metals, VOCs, fluoride, and low pH persist to terminal depth in a few boreholes.

As discussed with SCE's geologist on June 19, 1998, five angle borings should be completed around the NRB and SRB up to depths of approximately 70 feet below land surface (bls) and one vertical boring should be completed through the BCCB near borehole E-3. One of the angle borings will be directed beneath the gate/pump sump area between the NRB and SRB. This area is of interest due to detected contamination at boreholes E-17 and E-20 and structures (gate and sump) that are potential areas of basin leakage. A better assessment of borehole locations and depths will be made after a survey is conducted around the basins to determine actual vertical and horizontal basin dimensions and drilling access limitations.

Deeper angle borings are requested since investigations at the former Kaiser Steel Mill immediately east of the Etiwanda Generating Station have detected a silty sand unit at approximately 40 feet bls which tends to perch groundwater below significant water sources. If perched water is present, monitoring wells should be installed and groundwater samples collected to assess water quality. Data obtained from angle borings would allow assessment of the vertical extent of contamination in soils and determine if a perched zone exists beneath the basins. If deep angle borings do not intercept perched groundwater at the NRB and SRB, then a deep borehole may not be required at the BCCB.

B. Additional evaluation of VOCs is required at the basins based on existing data. As discussed on June 19, 1998, soil gas probes, EnCore samplers, as well as conventional soil matrix samples will be used to ensure adequate site characterization.

C. The report qualitatively compares soil sample metals data to an undefined background concentration. While the GSU generally concurs with the comparison, formal background concentrations for metals may need to be developed to determine which metals may be dropped from a risk assessment. However, the risk assessment approach may not require additional background data collection. SCE should determine how the risk assessment will manage metals and determine if additional background data will need to be collected.

D. The GSU collected three soil split samples from the Etiwanda Station that were analyzed for metals and pH. The split samples were E-17-0', E-18-1.5', and E-15-0.5' (the E-15 sample is designated "SCE ETI SB1" on the laboratory report). All laboratory reports are included as an attachment. DTSC data generally correlate well with SCE's data. Of notable exception was the detection of beryllium and hexavalent chromium at low levels in the DTSC sample from borehole E-17. SCE's E-17 sample did not detect these constituents. Therefore, all metals, including hexavalent chromium, should be analyzed during the next soils investigation phase. It is recommended that SCE send a few duplicate soil samples to another laboratory for analysis of hexavalent chromium.

E. As leakage has been documented in all basins investigated, the current integrity of the basins should be assessed. The function and effectiveness of the leak detection system in place at the BCCB should be discussed. Waste water characterization for the NRB and SRB is desirable to provide a basic conceptual understanding of the constituents present in these basins. If waste water constituents present in the basins are similar to those detected in soils, then the basins may be actively leaking and corrective measures might be implemented.

F. As the nature and extent of contamination has not been determined, conclusions in the report regarding potential to impact groundwater are premature. Groundwater wells will be required unless SCE demonstrates that releases from the basins do not present a potential to impact groundwater.

Specific Comments

3.2 Method 8260 Results

1. Page 4, Paragraph 5, Line 1: As stated in a DTSC letter to SCE dated April 15, 1996, DTSC approved the Etiwanda workplan under the condition that soil samples be analyzed for volatile organic compounds (VOCs), not just trichloroethylene. The report indicates DTSC requested the full VOC suite eight months after sampling and analysis was completed. While a misunderstanding did exist, the additional investigation discussed on June 19, 1998 should ensure collection of all appropriate site characterization data.

2. Page 5, Paragraph 1: The VOC data presented in Appendix 4 should be discussed in the report. Detected VOCs should be summarized in tabular form and the extent of contamination assessed. As indicated in Appendix 4, the following VOCs were detected in soils beneath the basins at low concentrations (e.g., 3 to 71 micrograms per kilogram): ethylbenzene, styrene, toluene, tetrachloroethylene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and xylenes.

3.4 South Retention Basin

3. Page 6, Paragraph 5, Line 4: The GSU considers the wet appearance of the soil at borehole E-17 to be significant even in light of the low soil moisture content reported by the laboratory. These data suggest laboratory moisture content of soil samples should not be exclusively used to evaluate the potential presence of wet zones below the basins.

4. Page 7, Paragraph 3, Line 3: Borehole E-8 also exhibited elevated levels of antimony, arsenic, beryllium, cadmium, and silver when qualitatively compared to the entire data set.

3.5 North Retention Basin

5. Page 8, Paragraph 3, Line 7: The report should have mentioned the elevated levels of cobalt detected in borehole E-29.

6. Page 8, Paragraph 4: Table 9 does indicate borehole E-20 contains elevated soil moisture at all depths as compared to the rest of the data set. This elevated moisture appears to correlate with nickel contamination detected in borehole E-20.

7. Figures: Figure 3 should be modified to illustrate the gates and pump sump between the NRB and SRB as they are potential sources for leakage from the basins. Any other similar structures should also be presented on the figures. Figures 2 and 3 should include an appropriate scale.

8. Appendix 3: Analytical Results from Soil Samples: Laboratory Quality Control/Quality Assurance data (e.g., matrix spike/matrix spike duplicates, blanks) should be included in the report.

9. Appendix 5: Groundwater Analysis: Laboratory quality control data indicate that copper, lead, and selenium exceed the laboratory's acceptable control limits. Therefore, the report should briefly discuss the utility of the analytical data.

Attachment

(8) North of Unit 3 by the paint storage container is a satellite accumulation area for collecting liquid and solid paint wastes. This area is only used when painting activities are taking place.

4) Hazardous Materials Storage, Handling, and Management

a) Underground Storage Tanks
   i) The Site had a 548-gallon UST for gasoline storage. This was removed and closed in 1999.

b) Above Ground Storage Tanks - The Site stores chemicals in above ground tanks. These chemicals are used for boiler and cooling water treatment, equipment use, and environmental emission control.
   i) Located near the retention basins is a 250-gallon gasoline storage tank with a pump. This is for vehicle fueling.
   ii) Located at Unit 1&2 Cooling Towers are aboveground tanks for Sodium Hypochlorite, Sulfuric Acid, and Anti-Scaling and Corrosion Inhibitor chemicals. These are used for water treatment in the Site's cooling towers.
   iii) Located at Unit 3 Cooling Towers are aboveground tanks for Sodium Hypochlorite, Sulfuric Acid, and Anti-Scaling and Corrosion Inhibitor chemicals. These are used for water treatment in the Site's cooling towers.
   iv) Located at Unit 4 Cooling Towers are aboveground tanks for Sodium Hypochlorite, Sulfuric Acid, and Anti-Scaling and Corrosion Inhibitor chemicals. These are used for water treatment in the Site's cooling towers.
   v) Located East of Unit 3 are two aboveground tanks used to store 19% Aqueous Ammonium Hydroxide. This is used for a Selective Catalytic Reduction system on Units 3&4, which reduces air pollution emissions.
   vi) Lube Oil for equipment process is located in aboveground tanks in various places throughout all of the units. Exact locations and sizes of tanks are shown in the Site's Hazardous Materials Business Plan and Chemical Inventory.
   vii) Urea was used in the past for air pollution emission control, but is no longer stored at the facility. There were three tanks. One Urea tank still remains on the Unit 2 Turbine Deck, but is empty and clean. Two Urea tanks were located East of Unit 3 but have been removed. The Ammonium Hydroxide tanks were placed where the Urea tanks used to be located.
   viii) East of the Site's Demineralizer Retention Basin, there used to be a bulk acid storage tank, a bulk caustic storage tank, and one day tank for each bulk tank. This system is out of service and all but the bulk caustic tank have been removed. The remaining bulk caustic tank is empty and clean.
   ix) A sulfuric acid storage tank used to be located Northeast of Unit 1. This has been removed.
   x) A propane tank was located West of Chadwick Channel. This has been removed.
   xi) At the Southeast corner of the Site is a Distillate storage tank. This is empty and clean but in the past it has been used to store Distillate Fuel.

Southern California Edison
Etiwanda Generating Facility
Phase 1 and Phase 2 Site Assessment
Evaluation

Southern California Edison (SCE) has performed Phase 1 and Phase 2 Environmental Site Assessments at the company's Etiwanda Generating Station. SCE has asked DTSC to allow the assessments to take the place of a formal RCRA Facility Assessment (RFA). These assessments do not appear to suffice as a RFA for two reasons: 1) the assessments do not focus on the proper constituents to determine if a hazardous waste release has occurred at the facility, and 2) the assessments do not use the same criteria that DTSC uses to establish the release of hazardous waste. The assessments also are incorrect in asserting that no further action needs to take place at certain SWMUs where in fact further investigation is required.

Each unit listed in the assessments, which can be considered a SWMU, is commented on below.

- Retention Basins – The basins are going through a remediation process as part of an agreement that was negotiated with DTSC. This is separate from the corrective action that will take place at the facility and outside the scope of the corrective action process.

- Above Ground Storage Tanks – Oil contamination has been found in the soil at the following areas:
    1. The aboveground fuel oil storage tanks,
    2. The aboveground fuel oil storage tank containment area,
    3. The distillate fuel storage tanks,
    4. The displacement oil storage tanks.

  Oil is measured as TPH.

  Using 1996 LARWQCB guidance as screening criteria, the assessments state that the TPH levels are below action levels. SCE reports that oil was intentionally placed around the base of the tanks as corrosion protection. The assessments recommend that the soil be left in place until the tanks are decommissioned or replaced.

- Underground Storage Tanks (USTs) – In 1986, three USTs were removed. The site assessment documents give no indication of the tanks' construction. Prior to the tanks' removal, soil sampling results showed TPHs below screening criteria. After removal of the tanks, a new 550-gallon double-walled fiberglass UST containing a leak detection system was installed. Due to previous soil sampling results and current leak prevention system, no soil sampling was conducted during the Phase 2 site assessment. The assessments also state that a UST may have existed near the current carport area. In an attempt to locate evidence of this UST, soil was tested for TPHs at two locations near the carport. The results were reported as non-detected. No tests were performed for VOCs, or metals.

- Transformers/Powerblock – Testing was performed for metals, PCBs, and TPHs in the soils near the transformer areas and powerblock floors. All constituents have been detected in varying amounts. Arsenic, nickel, and PCBs were detected at levels considerably higher than the Primary Remediation Goals (PRGs) at one location in the Chadwick Channel. In the case of nickel, sampling results contained levels in excess of Title 22 limits. The Phase 2 site assessment indicates that remediation has been performed, and the source of the contamination has been identified as the Unit 4 boiler water blowdown discharge line. The assessment also indicates that the discharge line has been sealed. Vanadium was detected just below the PRG at one location. In addition, the Phase 1 and Phase 2 site assessments contain conflicting information regarding PCBs. One section of the Phase 1 assessment states that there were no reported spills or leaks from the transformers (p. 5). Another section of the Phase 1 assessment states that transformer leakage had resulted in approximately 80 tons of contaminated soil (p. 22), and that the soil was classified as "non-hazardous." There does not appear to be any documentation indicating that the soil has been remediated or removed. Another section of the Phase 1 assessment states that all transformer oil containing PCBs was removed from the facility and properly disposed (p. 25), although there is no documentation in the assessment to verify that claim. The Phase 2 site assessment states that records at DTSC Region 4 dated December 23, 1983 indicate a spill of transformer oil containing PCBs; records at the San Bernardino Department of Environmental Health Services indicate a PCB spill in 1995. During an investigation of the 1995 spill, testing was performed at two locations. The only constituent detected was TPH (measured as diesel) at a level below the screening criteria.

- Switchyard – Soil in the switchyard area has been tested at six locations for PCBs and TPHs. Metals were tested at only two locations, however. All constituents tested were below screening levels and PRGs.

- Oil Supply Pipelines – The Phase 1 assessment claims that the underground portions of the pipelines have cathodic protection, but that the pipelines have not been integrity tested. During the Phase 2 assessment, oil was observed in recessed sump valve-box near the fuel oil pumping system. Stained soil was observed in the fuel oil pump area. In addition, a lead lined acid pipeline exists. Soil testing was performed at 13 different pipeline locations throughout the facility. All samples were tested for TPHs, four samples were tested for metals, and two samples were tested for pH. Only one sample was tested for VOCs. All test results are below PRGs and screening criteria, and all VOCs were reported as "non-detected." However, four of the TPH test results are reported as "estimated." One arsenic result was 2.6 mg/L, 0.1 mg/L below the PRG of 2.7 mg/L.

- Peaker Unit – The Phase 2 assessment states that there was an overflow of the peaker unit floor drain sump. Testing was performed at two locations near the sump. Samples were unable to be obtained at a third location. Samples taken were analyzed for TPHs. All results were reported as "non-detected."

- Hazardous Waste Storage Area – The Phase 1 assessment states that this area does not appear to be spill contained. The assessment lists the wastes generated at EGS as paints, oils (containing petroleum and PCBs), solvents, and various debris and wastes containing metals. Two soil samples have been obtained from this area and tested for TPHs, VOCs, and metals. TPHs and VOCs were reported as "non-detected." Metals were not detected above PRG levels. PCBs and PAHs were not analyzed.

- Cooling Towers – Soils near the cooling towers were tested for metals. Arsenic was detected above the PRG in several samples. The site assessment documents state that wood in the cooling towers could contain elevated levels of chromium, although testing did not confirm this to be true. All other metals detected were below the PRGs.

- Landfills – Two landfill areas have been identified at the EGS. Samples were tested for TPHs, VOCs, and metals. Test results are as follows:
  First landfill:
  TPHs were listed as "non-detected."
  VOCs were listed as "non-detected."
  Metals were listed as "non-detected."
  Second landfill:
  TPHs were detected below screening levels.
  VOCs were listed as "non-detected."
  Metals were detected; arsenic and chromium above PRGs.

- Water Supply Wells – Ground water is reported to be at approximately 340 feet below ground surface and is supplied to EGS by three wells and one aqueduct. The Phase 2 assessment states that groundwater sampling and analysis were outside the scope of the assessment, however the results from two previous groundwater analyses were reviewed. The assessment claims TPHs were detected below screening levels in the first analysis, but no documentation was provided to verify this claim. TPHs were not part of the second analysis.

- Scrap Metal Yard – The scrap metal yard was tested in one location at three different depths. The Phase 2 assessment states that a mercury ring balance is located in the yard. Metals were detected below PRGs. Xylene was detected below the PRG in one sample. TPH was detected below screening levels in one sample.

- Septic Systems – Three of the four septic systems were tested for VOCs and nitrates. All VOCs were reported as "non-detected." Nitrates were detected in only one of the systems. The assessment states that the fourth system was not sampled because it serviced the administration building, which has no potential of containing hazardous waste.

- Vineyard Water Tank – Testing was performed at two locations, one inside and one outside the tank. The testing location inside the tank was sampled at only one depth whereas the testing location outside the tank was sampled at two depths. Samples were analyzed for pH, PCBs, and pesticides. All samples detected 4,4-DDE and 4,4-DDT below PRGs. Pesticide results were reported as estimated. The sample inside the tank contained a pH below 6.0 (5.75).

- Bone Yard (Laydown Area) – Testing was performed for metals, TPHs, and VOCs at four locations in the bone yard area. All TPHs were reported as "non-detected." Metals, TCE, p- & m-xylenes were detected below PRGs. Although this area is adjacent to the switchyard, samples were not tested for PCBs.

- Sulfuric Acid Storage Tanks – The assessments mention that releases have occurred at each of the three sulfuric acid storage areas. Soil was tested for metals near each tank in two separate locations. A white, discolored soil was noted near storage tank number 3. Arsenic was detected at levels above the PRG in the tank three samples. No testing was performed for pH.

- Former Water Softener/Brine Pit – Soil from two locations was tested for metals and pH. Sample results from one of the locations contained arsenic above the PRG. In addition, all the sample results contained pH below 6.0. SCE claims that these samples were analyzed for pH after the recommended holding time, therefore yielding erroneous results. No further testing took place at these locations.

- Cooling Tower Sludge Dewatering Area – Soil was tested at three locations for metals, VOCs, and TPHs. Metals and TPH (as diesel) were detected below PRGs and screening levels. TCE was detected, but the analysis indicates that TCE was also detected in the sample blank. The Phase 2 assessment thus claims that the analysis is erroneously high in TCE.

- Utility Pole Storage Area – Soil was tested in two locations for PAHs. All results were reported as "non-detected." No other tests were performed at these locations.

- Agricultural Research Area – Soil was tested in two locations for metals. Metals were detected below PRGs. No testing was performed for pesticides.

The assessments also list as possible sources of contamination:

- Tamco – Tamco, located north of EGS, recycles scrap metal into rebar. An investigation of the surface water run-on from TAMCO to EGS was conducted in 1985 and determined that arsenic, lead, and chromium was contained in the run-on above PRG levels. A 1987 letter to EGS from CRWQCB stated that since groundwater was not impacted, no further action was required. There is no information to indicate that TAMCO has remedied this situation.

- Ameron – Ameron is a steel and wire manufacturer located north of TAMCO. The Phase 2 assessment states that there are several locations at Ameron containing soil contamination. Most of the contamination appears to have been cause by leaks from the facility's brine pond. There is no information to confirm that runoff from Ameron has contaminated the soil or groundwater at EGS.

In conclusion, it appears that further investigation of the EGS is required. By performing the Phase 1 and Phase 2 site assessments, SCE has conducted an extensive investigation of the facility. However, a site visit must be conducted by DTSC to determine if all SMUs have been identified and to determine if any hazardous releases have occurred. Only then will enough information be available to complete the RFA. In addition, the sampling that has been done by SCE is not extensive enough to qualify as a RCRA Facility Investigation (RFI). For example, in all cases where testing was performed for TPHs no testing was performed for ployaromatic hydrocarbons (PAHs), which is the normal screening criteria for contamination used by DTSC. Many test results were reported as estimated or erroneous. Further sampling and analysis will have to be performed in order to complete an RFI. At this time, it is recommended that DTSC deny SCE's request and perform a RFA.

Department of Toxic Substances Control

Jesse R. Huff, Director
5796 Corporate Avenue
Cypress, California 90630

Pete Wilson
Governor

Peter M. Rooney
Secretary for
Environmental
Protection

MEMORANDUM

TO: Adela Weinstein
Hazardous Substances Scientist
Facility Permitting Branch

FROM: Chris A. Guerre, C.HG.
Hazardous Substances Engineering Geologist
Geological Services Unit

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
"OFFICIAL FILE COPY"

DATE: June 25, 1998

SUBJECT: LEAK DETECTION INVESTIGATION REPORT
ETIWANDA GENERATING STATION
SOUTHERN CALIFORNIA EDISON

The Geological Services Unit (GSU) of the Department of Toxic Substances Control (DTSC) reviewed an investigative report (report), dated June 11, 1997, prepared by Pat Hamilton for Southern California Edison (SCE) and titled ***Leak Detection Investigation Etiwanda Generating Station.*** The report presents results of soil gas and soil sampling activities at the Boiler Chemical Cleaning Basin (BCCB) and the North and South Retention Basin (NRB and SRB respectively). The report concludes that minor leakage has occurred below the BCCB, NRB, and SRB. The following comments present GSU concerns or requests related to the report. These concerns were discussed with SCE's geologist on June 19, 1998. A workplan should be prepared by SCE to address the General Comments below. The Specific Comments may be addressed in SCE's closure report for the Etiwanda Generating Station. Questions regarding this memo should be directed to Chris Guerre at (714) 484-5422.

General Comments

A. Additional site characterization data are needed at all three basins since the vertical extent of contamination has not been determined below each basin. At the BCCB, where the least amount of impact has been detected, elevated chloride and low pH persist to terminal depth in a few boreholes. Volatile organic compounds (VOCs) were also reported in borehole E-3. At the NRB and SRB, some metals, VOCs, fluoride, and low pH persist to terminal depth in a few boreholes.

As discussed with SCE's geologist on June 19, 1998, five angle borings should be completed around the NRB and SRB up to depths of approximately 70 feet below land surface (bls) and one vertical boring should be completed through the BCCB near borehole E-3. One of the angle borings will be directed beneath the gate/pump sump area between the NRB and SRB. This area is of interest due to detected contamination at boreholes E-17 and E-20 and structures (gate and sump) that are potential areas of basin leakage. A better assessment of borehole locations and depths will be made after a survey is conducted around the basins to determine actual vertical and horizontal basin dimensions and drilling access limitations.

Deeper angle borings are requested since investigations at the former Kaiser Steel Mill immediately east of the Etiwanda Generating Station have detected a silty sand unit at approximately 40 feet bls which tends to perch groundwater below significant water sources. If perched water is present, monitoring wells should be installed and groundwater samples collected to assess water quality. Data obtained from angle borings would allow assessment of the vertical extent of contamination in soils and determine if a perched zone exists beneath the basins. If deep angle borings do not intercept perched groundwater at the NRB and SRB, then a deep borehole may not be required at the BCCB.

B. Additional evaluation of VOCs is required at the basins based on existing data. As discussed on June 19, 1998, soil gas probes, EnCore samplers, as well as conventional soil matrix samples will be used to ensure adequate site characterization.

C. The report qualitatively compares soil sample metals data to an undefined background concentration. While the GSU generally concurs with the comparison, formal background concentrations for metals may need to be developed to determine which metals may be dropped from a risk assessment. However, the risk assessment approach may not require additional background data collection. SCE should determine how the risk assessment will manage metals and determine if additional background data will need to be collected.

D. The GSU collected three soil split samples from the Etiwanda Station that were analyzed for metals and pH. The split samples were E-17-0', E-18-1.5', and E-15-0.5' (the E-15 sample is designated "SCE ETI SB1" on the laboratory report). All laboratory reports are included as an attachment. DTSC data generally correlate well with SCE's data. Of notable exception was the detection of beryllium and hexavalent chromium at low levels in the DTSC sample from borehole E-17. SCE's E-17 sample did not detect these constituents. Therefore, all metals, including hexavalent chromium, should be analyzed during the next soils investigation phase. It is recommended that SCE send a few duplicate soil samples to another laboratory for analysis of hexavalent chromium.

E. As leakage has been documented in all basins investigated, the current integrity of the basins should be assessed. The function and effectiveness of the leak detection system in place at the BCCB should be discussed. Waste water characterization for the NRB and SRB is desirable to provide a basic conceptual understanding of the constituents present in these basins. If waste water constituents present in the basins are similar to those detected in soils, then the basins may be actively leaking and corrective measures might be implemented.

F. As the nature and extent of contamination has not been determined, conclusions in the report regarding potential to impact groundwater are premature. Groundwater wells will be required unless SCE demonstrates that releases from the basins do not present a potential to impact groundwater.

Specific Comments

3.2 Method 8260 Results

1. Page 4, Paragraph 5, Line 1: As stated in a DTSC letter to SCE dated April 15, 1996, DTSC approved the Etiwanda workplan under the condition that soil samples be analyzed for volatile organic compounds (VOCs), not just trichloroethylene. The report indicates DTSC requested the full VOC suite eight months after sampling and analysis was completed. While a misunderstanding did exist, the additional investigation discussed on June 19, 1998 should ensure collection of all appropriate site characterization data.

2. Page 5, Paragraph 1: The VOC data presented in Appendix 4 should be discussed in the report. Detected VOCs should be summarized in tabular form and the extent of contamination assessed. As indicated in Appendix 4, the following VOCs were detected in soils beneath the basins at low concentrations (e.g., 3 to 71 micrograms per kilogram): ethylbenzene, styrene, toluene, tetrachloroethylene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and xylenes.

3.4 South Retention Basin

3. Page 6, Paragraph 5, Line 4: The GSU considers the wet appearance of the soil at borehole E-17 to be significant even in light of the low soil moisture content reported by the laboratory. These data suggest laboratory moisture content of soil samples should not be exclusively used to evaluate the potential presence of wet zones below the basins.

4. Page 7, Paragraph 3, Line 3: Borehole E-8 also exhibited elevated levels of antimony, arsenic, beryllium, cadmium, and silver when qualitatively compared to the entire data set.

3.5 North Retention Basin

5. Page 8, Paragraph 3, Line 7: The report should have mentioned the elevated levels of cobalt detected in borehole E-29.

6. Page 8, Paragraph 4: Table 9 does indicate borehole E-20 contains elevated soil moisture at all depths as compared to the rest of the data set. This elevated moisture appears to correlate with nickel contamination detected in borehole E-20.

7. Figures: Figure 3 should be modified to illustrate the gates and pump sump between the NRB and SRB as they are potential sources for leakage from the basins. Any other similar structures should also be presented on the figures. Figures 2 and 3 should include an appropriate scale.

8. Appendix 3: Analytical Results from Soil Samples: Laboratory Quality Control/Quality Assurance data (e.g., matrix spike/matrix spike duplicates, blanks) should be included in the report.

9. Appendix 5: Groundwater Analysis: Laboratory quality control data indicate that copper, lead, and selenium exceed the laboratory's acceptable control limits. Therefore, the report should briefly discuss the utility of the analytical data.

Attachment

DTSC Split Sample Laboratory Data

California Environmental Protection Agency
Department of Toxic Substances Control
Hazardous Materials Laboratory (Inorganic Section)
2151 Berkeley Way, Berkeley, CA 94704

Phone: (510) 540-3003 or (ATSS) 571-3003

HML #: 960543 to 960544

Collector's Name: CHRIS GUERRE
Site of Sampling: SCE ETIWANDA GENERATING STA
8996 ETIWANDA AVE
ETIWANDA, 91739

Auth. No.: HMM3049
Activity : FPB
Date Collected: 10/28/96
Date Received: 11/5/96

Analytical Procedure: EPA-SW 846

Samples are digested with 1:1 HNO3 (and 30% H202, and 1:1 HCl, if applicable) over a hot plate. Digests are cooled, filtered and made to final volume with deionized H2O. Metal analysis of the digests is by ICPAES (EPA #6010). Units are mg/kg.

Method: 3050 for solids; 3010 for liquids; 3005 for clean water.

HML Number:	960543	960544
Collector's Sample No.:	E-170'	E-181.5'
Sample Type:	SOIL	SOIL
As-Arsenic	<5.00	<5.00
Ba-Barium	104	87.8
Be-Beryllium	1.43	0.43
Cd-Cadmium	1.24	0.51
Co-Cobalt	22.2	6.76
Cr-Chromium	8.72	9.77
Cu-Copper	18.3	6.04
Mo-Molybdenum	12.7	<3.75
Ni-Nickel	623	6.72
Pb-Lead	<5.00	<5.00
Se-Selenium	15.9	<7.50
Tl-Thallium	<15.0	<15.0
V-Vanadium	286	35.5
Zn-Zinc	40.2	<2.50

Notes: < = below detection limit of method.

Merlyn de Guzman 11/15/96
ICP Analyst, Date
Merlyn de Guzman

Chemist's Signature 11/18/96
Mandy Mok Date

Milad S. Iskander, Supervisor 11/19/96
Date

MSI (KW.) 11/18/96

California Department of Toxic Substances Control
Hazardous Materials Laboratory
Inorganic Section

HML Number: 960543 to 960544

Quality Assurance Summary for ICP

Element	HML Soil QC Sample mg/kg			Method Blank	Calibration Verification Standard mg/L			Duplicate Spiked Sample	HML No.: 960551			Matrix: SOIL	
								Spike Results mg/kg			Unspiked Result (mg/kg)	Spike Added (mg/kg)	% Recovery
	found	known	%	mg/L	found	known	%	A:	B:	RPD			A: B:
As-Arsenic	59.9	63.3	94.6	<0.04	10.4	10.0	104	464	486	4.63	<5.00	500	92.8 97.2
Ba-Barium	48.6	44.7	109	<0.002	10.4	10.0	104	555	575	4.17	85.1	500	94.0 98.0
Be-Beryllium	20.7	21.5	96.3	<0.001	2.05	2.00	102	95.1	98.3	3.32	0.36	100	94.7 97.9
Cd-Cadmium	23.9	25.5	93.7	<0.004	10.2	10.0	102	431	452	4.79	3.53	500	85.5 89.7
Co-Cobalt	20.1	20.7	97.1	<0.02	10.4	10.0	104	454	474	4.42	12.0	500	88.4 92.4
Cr-Chromium	69.0	59.6	116	<0.03	10.2	10.0	102	464	481	3.79	23.8	500	88.0 91.4
Cu-Copper	41.8	37.7	111	0.010	10.6	10.0	106	509	542	6.79	32.3	500	95.3 102
Mo-Molybdenum	28.2	30.3	93.1	<0.03	9.71	10.0	97.1	434	453	4.28	<3.75	500	86.8 90.6
Ni-Nickel	34.0	35.4	96.0	<0.03	10.4	10.0	104	475	487	2.74	42.6	500	86.5 88.9
Pb-Lead	29.7	31.0	95.8	<0.05	10.2	10.0	102	493	542	10.5	50.6	500	88.5 98.3
Se-Selenium	74.9	72.8	103	<0.08	10.7	10.0	107	478	497	4.02	15.1	500	92.6 96.4
Tl-Thallium	116	125	92.8	<0.15	10.3	10.0	103	417	439	5.14	<15.0	500	83.4 87.8
V-Vanadium	45.6	40.9	112	<0.03	10.3	10.0	103	471	488	3.73	23.6	500	89.5 92.9
Zn-Zinc	50.0	46.3	108	0.03	10.4	10.0	104	Results beyond instrument calibration.					

Element	HML Liquid QC Sample mg/kg			Reagent Blank	Inorganic Ventures Reference Standard mg/L			Duplicate Spiked Sample	HML No.: 960548			Matrix: Water	
								Spike Results mg/kg			Unspiked Result (mg/kg)	Spike Added (mg/kg)	% Recovery
	found	known	%	mg/L	found	known	%	A:	B:	RPD			A: B:
As-Arsenic	2.90	3.01	96.3	<0.04	1.03	1.00	103	9.50	9.61	1.15	<0.04	10.0	95.0 96.1
Ba-Barium	3.09	3.01	103	<0.002	1.00	1.00	100	9.38	9.45	0.75	0.10	10.0	92.8 93.5
Be-Beryllium	0.83	0.85	97.6	<0.001	0.20	0.20	100	1.88	1.92	2.11	0.001	2.00	94.0 96.0
Cd-Cadmium	2.40	2.47	97.2	<0.004	1.03	1.00	103	9.43	9.54	1.16	<0.004	10.0	94.3 95.4
Co-Cobalt	2.38	2.43	97.9	<0.02	1.03	1.00	103	9.48	9.57	0.94	<0.02	10.0	94.8 95.7
Cr-Chromium	5.30	5.39	98.3	<0.03	1.02	1.00	102	9.39	9.46	0.74	<0.03	10.0	93.9 94.6
Cu-Copper	30.2	29.0	104	<0.010	1.05	1.00	105	9.06	9.24	1.97	<0.01	10.0	90.6 92.4
Mo-Molybdenum	2.00	1.97	102	<0.03	1.00	1.00	100	9.45	9.55	1.05	<0.03	10.0	94.5 95.5
Ni-Nickel	4.81	4.96	97.0	<0.03	1.04	1.00	104	9.47	9.54	0.74	<0.03	10.0	94.7 95.4
Pb-Lead	10.0	10.2	98.0	<0.05	1.03	1.00	103	9.46	9.59	1.36	<0.05	10.0	94.6 95.9
Se-Selenium	3.67	3.47	106	<0.08	1.03	1.00	103	9.51	9.55	0.42	<0.08	10.0	95.1 95.5
Tl-Thallium	9.25	10.1	91.6	<0.15	1.02	1.00	102	9.35	9.64	3.05	<0.15	10.0	93.5 96.4
V-Vanadium	2.52	2.49	101	<0.03	1.01	1.00	101	9.22	9.29	0.76	<0.03	10.0	92.2 92.9
Zn-Zinc	54.9	57.1	96.1	<0.015	1.04	1.00	104	9.43	9.59	1.69	0.02	10.0	94.1 95.7

ICP Analyst's Signature: Marlyn de Guzman
Chemist:
Chemist's Signature:
Date Analyzed: 11/15/96

Milad S. Iskander, Supervisor:

Date: 11/19/96

CALIFORNIA DEPT. OF TOXIC SUBSTANCES CONTROL
HAZARDOUS MATERIALS LABORATORY SECTION
2151 BERKELEY WAY, BERKELEY CA. 94704
(510) 540-3003

HML#:960543 TO
HML#:960544
COLL'S #:E-170'
To :E-181.5'

LABORATORY REPORT FOR METAL ANALYSIS

COLLECTOR'S NAME: Chris Guerre
LOCATION: SCE Etiwanda Station
8996 Etiwanda Ave.
Etiwanda.

DATE COLLECTED: 10/28/96
DATE RECEIVED :11/05/96
ACTIVITY: FPB
AUTHORIZATION#:HMM3049

ANALYTICAL Samples were extracted with hot 3% sodium carbonate-2% sodium hydroxide . Chromium six in the sample was made to react with diphenyl-carbazide and the absorbance was measured in a spectrophotometer at a wavelength of 540 mu. Results are in mgm/kgm.

ANALYSIS: EPA Method #7196 for Cr.

DIGESTION: EPA Method #3060

HML#	COLL.#	SAMPLE TYPE	Chromium 6
960543	E-170'	Soil	1.53
960544	E-181.5'	Soil	<1.00

SIGNATURES:

A R Kozman 11/18/96
Atif R. Kozman Date
Analyst

Milad S. Iskander 11/19/96
Milad S. Iskander Date
Supervisor

MSI (CKW.) 11/18/96

California Dept.of Toxic Substances Control
Hazardous Materials Laboratory
2151 Berkeley Way, Berkeley Ca. 94704
(510) 540-3003

HML #:960543
TO:960544

Inorganic Quality Assurance

Collector's Name: Chris Guerre
Sample Location: SCE Etiwanda Generating Station Etiwanda.

Collector's #: E-170'
To: E-181.5'
Activity: FPB

Analytical Procedure Used: DIGESTION Method 3060
Analysis: EPA Method #7196 for Cr6
Concentration units: mg/kg

1. Initial Calibration Verification	Reference Standard Source:BAUER Lot#: 13765-19-1	Determination	Cr6	
		Found	0.106	
		True	0.109	
		% Recovery	96.3	
	Method Blank		<0.025	
2. Continuing Calibration Verification	Standard Solution Source:BAUER Lot# 13765-19-1	Found	0.629	
		True	0.768	
		% Recovery	81.9	
	Preparation Blank		<0.025	
3. Spike Duplicate Result	Sample No. 960521 Matrix: Extract	Spike Result A	8.87	
		Spike Result B	9.46	
		Spike Added	10.0	
		Sample Result	0.00	
4. Spike Recovery Result	Sample No. HML #960521 Matrix: Extract	% Recovery A	88.7	
		% Recovery B	94.6	
		% RPD	0.64	

Signatures:

Atif R. Kozman — 11/18/96
Analyst — Date

Milad S. Iskander — 11/19/96
Supervisor — Date

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
HAZARDOUS MATERIALS LABORATORY SECTION
2151 BERKELEY WAY, BERKELEY CA. 94704
(510) 540-3003

HML#:960543 TO
HML#:960544
COLL'S #:E-170'
To :E-181.5'

LABORATORY REPORT FOR METAL ANALYSIS

COLLECTOR'S NAME: Chris Guerre
LOCATION: SCE Etiwanda Generating Station, Etiwanda Ave. Etiwanda.

DATE COLLECTED: 10/28/96
DATE RECEIVED :11/05/96
ACTIVITY: FPB
AUTHORIZATION#:HMM3049

ANALYTICAL Samples were digested, treated with KMnO4 and warmed on a steam bath. Excess KMnO4 was reduced with NaCl/Hydoxylamine sulfate. A 10% solution of SnSo4 was added and the mercury content was determined using the Perkin Elmer mercury vapor analyzer. Results in mgm/kgm.

ANALYSIS: EPA Method #7470 for Hg.

HML NO.	COLL.NO.	SAMPLE TYPE	MERCURY
960543	E-170'	Soil	0.22
960544	E-181.5'	Soil	0.19

SIGNATURES:

A R Kozman 11/21/96
Atif R. Kozman Date
Analyst

Milad S. Iskander 11/21/96
Milad S. Iskander Date
Supervisor

MSI (Rev.) 11/21/96

Department of Toxic Substances Control
Hazardous Materials Laboratory
2151 Berkeley Way, Berkeley Ca. 94704
(510) 540-3003

HML #:960543
TO:960544

Inorganic Quality Assurance

Collector's Name: Chris Guerre
Sample Location: SCE Etiwanda Generating Station, Etiwanda Ave. Etiwanda.

Collector's #: E-170'
To: E-181.5'
Activity: FPB

Analytical Procedure Used: EPA Method # 7470

Concentration units: mg/kg

1. Initial Calibration Verification	Reference Standard Source: Spectrum Lot#LA0256 Exp: 1/98	Determination	Hg	
		Found	0.237	
		True	0.216	
		% Recovery	110	
	Method Blank		<0.05	
2. Continuing Calibration Verification	Reference Standard Source: Spectrum Lot#LA0256	Found	0.517	
		True	0.507	
		% Recovery	102	
	Preparation Blank		<0.05	
3. Spike Duplicate Result	Sample No. 960512 Matrix: sand	Spike Result A	1.552	
		Spike Result B	1.595	
		Spike Added	0.20	
		Sample Result	1.423	
4. Spike Recovery Result	Sample No. HML #960512 Matrix: sand	% Recovery A	64.5 **	
		% Recovery B	86.0	
		% RPD	**	

** Low recovery- possible loss during analysis.

Signatures:

Atif R. Kozman — 11/21/96
Analyst — Date

Milad S. Iskander — 11/21/96
Supervisorg1382 — Date

California Environmental Protection Agency
Department of Toxic Substances Control
Hazardous Materials Laboratory (Inorganic Section)
2151 Berkeley Way Room 515, Berkeley, CA 94704

Phone: (510) 540-3003 or (ATSS) 8-571-3003

HML# : 960543
to: 960544

LABORATORY REPORT

Collector's name: Chris Guerre
Address: SCE Etiwanda Generating Station
8996 Etiwanda Ave
Etiwanda, 91739

Date Collected: 10/28/96
Date Received: 11/05/96
Collecter's#: E-17 0'
to: E-18 1.5'
Authorization#: HMM3049

Analytical Procedure: pH determined using Accumet 925MP pH meter calibrated with known pH buffers.

Reference: EPA Method #9045C

Analysis Results:

HML#	Collector's #	matrix	dilution	pH
960543	E-17 0'	SOIL	10--->20	10.06
960544	E-18 1.5'	SOIL	10--->20	8.82

Analyst : Mandy Mok
Date: 11/14/96

Supervisor: Milad S. Iskander
Date: 11/14/96

MS (Rev.) 11/14/96

California Environmental Protection Agency
Department of Toxic Substances Control
Hazardous Materials Laboratory (Inorganic Section)
2151 Berkeley Way Room 515, Berkeley, CA 94704
(510) 540-3003

HML# : 960543
to: 960544
Collector's# : E-17 0'
to: E-18 1.5

Quality Assurance
pH

Reference: EPA Method #9045C

I. Calibration Standard Data

Standard ID Vendor/PN	Lot No.	Expiration Date	Buffer Type	Buffer	mv Reading	Efficiency
VWR	9510098	Oct-97	liquid	4.00	26.6	none
FISHER	960985-24	Feb-98	liquid	7.00	-147.5	1.0117
VWR	9505266	May-97	liquid	10.00	-314.7	0.96213
EM SC	34119		liquid	13.00	-482.3	0.94701

II. Laboratory Control Sample

Analyte pH buffer	Lot No.	Source	Results Expected	Results Observed	Absolute Difference
5.0	960284-24	Fisher	5.00	5.046	0.05
9.0	955170-20	Fisher	9.00	9.026	0.03
12.0		pHydrion	12.00	11.92	0.08

III. Laboratory Duplicate Sample Results

HML No.	Sample Type	Sample Result	Sample Duplicate	Absolute Difference pH units
960544	SOIL	8.92	8.85	0.07

Analyst : Mandy Mak Date: 11/14/96

Supervisor : Milad S. Iskander Date: 11/14/96

California Environme l Protection Agency
Department of Toxic ubstances Control
Hazardous Materials Laboratory
2151 Berkeley Way, Berkeley, CA 94704
Tel. # 510 540-3003

HML #:960560 to 960563

LABORATORY REPORT
(AMENDED REPORT)

Collector's Name: GREG SWEEL
Location: SOUTHERN CA EDISON ETIWANDA
8996 ETIWANDA AVENUE
ETIWANDA, CA 91739

Auth. No.: HMM3053
Activity: FPB
Date Sampled:11/01/96
Date Received:11/07/96

ANALYTICAL PROCEDURE: Samples are digested with 1:1 HNO3, H2O2, and HCl over a hot plate. The digested samples are filtered and made to 100 ml with distilled deionized water. Metal analysis of the digest is by ICPAES. Results are reported as mg/kg.

REFERENCE: 3050 for solids; 3010 for liquids; 3005 for clean water.

HML NUMBER :	960560	960561	960562	960563
COLLECT NO. :	SCE ETI SB1	SCE ETI DB1	SCE ETI 3	SCE ETI 4
SAMPLE TYPE :	SOIL	SOIL	SOIL	SOIL
As-Arsenic	<5.00	<5.00	<5.00	<5.00
Ba-Barium	75.0	76.5	117	107
Be-Beryllium	0.52	<0.15	<0.15	<0.15
Cd-Cadmium	1.80	0.89	<0.45	<0.45
Co-Cobalt	7.00	<2.50	189	<2.50
Cr-Chromium	9.54	6.37	19.8	<4.00
Cu-Copper	6.87	<2.50	121	16.0
Mo-Molybdenum	<3.75	<3.75	<3.75	<3.75
Ni-Nickel	5.60	7.81	4580	<2.50
Pb-Lead	2.90	<5.00	143	<5.00
Se-Selenium	<7.50	<7.50	<7.50	<7.50
Tl-Thallium	<15.0	<15.0	<15.0	<15.0
V-Vanadium	37.5	16.9	1050	55.5
Zn-Zinc	25.0	6.05	392	53.4

Notes: < = below detection limit of method.

Amended for site or location of sampling.

Merlyn de Guzman — 8/18/97
ICP Analyst, Merlyn de Guzman — Date

Zaida R. Ilejay — 8/18/97
Chemist's Signature Zaida R. Ilejay — Date

Milad S. Iskander — 8/18/97
Supervisor — Date

California Department of Toxic Substances Control
Hazardous Materials Laboratory
Inorganic Section

HML No.: 960560
To: 960563

Quality Assurance Summary for ICP

Element	HML Soil QC Sample mg/kg			Method Blank	Inorganic Ventures Reference Std mg/L			Duplicate Spike Sample Spike Results ug/L			HML No.: 960560		Matrix: soil % Recovery	
	found	known	% Rec	ug/L	found	known	% Rec	A:	B:	RPD	Unspiked Results	Spike Added	A:	B:
As-Arsenic	60.1	63.3	94.9	<0.10	1.03	1.00	103	406	394	0.75	<5.00	500	81.2	78.8
Ba-Barium	41.7	44.7	93.3	<0.01	1.01	1.00	101	506	489	1.01	75.0	500	86.2	82.8
Be-Beryllium	20.2	21.5	94.0	<0.003	0.2	0.20	100	82	79.1	0.91	0.52	100	81.5	78.6
Cd-Cadmium	25.8	25.5	101	<0.01	1.04	1.00	104	443	433	0.57	1.80	500	88.2	86.2
Co-Cobalt	21.1	20.7	102	<0.05	1.03	1.00	103	447	438	0.52	7.00	500	88.0	86.2
Cr-Chromium	47.9	59.6	80.4	<0.08	1.03	1.00	103	403	395	0.51	9.54	500	78.7	77.[illegible]
Cu-Copper	30.9	37.7	82.0	<0.05	0.94	1.00	94.0	443	434	0.52	6.87	500	87.2	85.4
Mo-Molybdenum	31.1	30.3	103	<0.08	1.01	1.00	101	415	406	0.55	<3.75	500	83.0	81.2
Ni-Nickel	41.2	35.4	116	<0.05	1.04	1.00	104	360	350	0.72	5.60	500	70.9	68.9
Pb-Lead	31.8	31	103	<0.10	1.02	1.00	102	445	436	0.51	2.90	500	88.4	86.6
Se-Selenium	71.1	72.8	97.7	<0.15	1.05	1.00	105	427	417	0.59	<7.50	500	85.4	83.4
Tl-Thallium	121	125	96.8	<0.30	1.02	1.00	102	351	343	0.58	<15.0	500	70.2	68.6
V-Vanadium	40.8	40.9	99.8	<0.06	1.02	1.00	102	463	450	0.78	37.5	500	85.1	82.5
Zn-Zinc	45.5	46.3	98.3	<0.05	1.03	1.00	103	422	415	0.44	25.0	500	79.4	78.0

Element	HML Liquid QC Sample mg/L			Reagent Blank	Inorganic Ventures Reference Std mg/L			Duplicate Spike Sample Spike Results ug/L			HML No.:		Matrix: % Recovery	
	found	known	% Rec	ug/L	found	known	% Rec	A:	B:	RPD	Unspiked Results	Spike Added	A:	B:
As-Arsenic				<0.10	10.6	10.0	106							
Ba-Barium				<0.01	10.2	10.0	102							
Be-Beryllium				<0.003	2.08	2.00	104							
Cd-Cadmium				<0.01	10.8	10.0	108							
Co-Cobalt				<0.05	10.9	10.0	109							
Cr-Chromium				<0.08	10.7	10.0	107							
Cu-Copper				<0.05	10.5	10.0	105							
Mo-Molybdenum				<0.08	10.5	10.0	105							
Ni-Nickel				<0.05	10.9	10.0	109							
Pb-Lead				<0.10	11.0	10.0	110							
Se-Selenium				<0.15	10.6	10.0	106							
Tl-Thallium				<0.30	10.50	10.0	105							
V-Vanadium				<0.06	10.6	10.0	106							
Zn-Zinc				<0.05	11.1	10.0	111							

ICP Analyst's Signature: [signature]

Chemist's Signature: [signature]

Date Analyyzed: 11/25/96

Milad S. Iskander, Supervisor: [signature] 12/2/

California Department of Toxic Substances Control
Hazardous Materials Laboratory
2151 Berkeley Way, Berkeley, CA 94704
(510) 540-3003

HML #: 960560
To: 960563

LABORATORY REPORT

Collector's Name: Greg Sweel
Location: Southern CA Edison Etiwanda
8996 Etiwanda Avenue
Etiwanda, CA 91739

Auth. No.: HMM3053
Activity: FPB
Date Sampled: 11/01/96
Date Received: 11/07/96

Analytical Procedure Used: pH determined using Accumet 825MP pH meter calibrated with pH buffers 2, 7, 10 and 13.

Reference: EPA Methods 9040 & 9045

Analysis Results:

HML NO.	COLLECTOR'S SAMPLE NO.	TYPE OF SAMPLE	pH
960560	SCE ETI SB1	SOIL	7.80
960561	SCE DB1	SOIL	6.71
960652	SCE ETI 3	SOIL	9.50
960563	SCE ETI 4	SOIL	9.55

Signatures:

Zaida R. Ilejay
Analyst

11/26/96
Date

Milad Iskander
Supervisor

12/2/96
Date

California Department of Toxic Substances Control
Hazardous Materials Laboratory
2151 Berkeley Way, Berkeley, Ca 94704

Quality Assurance
pH

Procedure: pH by electrometric method Reference: EPA 9040 & 9045

I. Calibration Standard Data

ID Vendor PN	Lot No.	Exp. Date	Buffer Type	pH Buffer	mv Reading	Efficiency
VWR	9510098	10/97	SOL'N	4.00	35.7	
VWR	9508152	8/97	SOL'N	7.00	-142.0	1.0192
VWR	950566	5/97	SOL'N	10.0	-311.9	0.97340
EMScience	34119		SOL'N	13.0	-479.5	0.92756

II. Laboratory Control Sample

pH Buffer	Lot No.	Source	Expected Result	Observed Result	Absolute Diff.
9.00	955170-24	FISHER	9.00	8.93	0.07
5.00	960284-24	FISHER	5.00	5.02	0.02

pH of DI H_2O used in dilution

III. Laboratory Duplicate Sample Results

HML No.	Sample Type	Sample Result	Dupl. Result	Absolute Difference
960560	SOIL	7.796	7.797	0.001

Analyst: Zaida Ilejay Date: 11/26/96
Zaida R. Ilejay

Supervisor: Milad S. Iskander Date: 12/2/96
Milad S. Iskander

K BAKER

Cal/EPA

June 30, 1997

Department of
Toxic Substances
Control

245 West Broadway,
Suite 425
Long Beach, CA
90802-4444

Pete Wilson
Governor

James M. Strock
Secretary for
Environmental
Protection

Mr. George M. Becker
Southern California Edison
P.O. Box 800
2244 Walnut Grove Avenue
Rosemead, California 91770

Dear Mr. Becker:

CORRECTIVE ACTION AT SOUTHERN CALIFORNIA EDISON GENERATING STATIONS

As we have discussed in several meetings, the Department of Toxic Substances Control (DTSC) is planning to proceed with corrective action at Southern California Edison's Alamitos, Cool Water, El Segundo, Etiwanda, Huntington Beach, Highgrove, Long Beach, Mandalay, Ormond Beach, Redondo Beach, and San Bernardino generating stations. Pursuant to Sections 25187 and 25200.10 of the California Health and Safety Code (HSC), corrective action is required to address the release of hazardous waste or constituents into the environment at or from your facilities.

DTSC will oversee the corrective action process required at your facilities to ensure full protection of public health and the environment. DTSC will incur costs in overseeing such corrective action. State law requires DTSC to recover its costs incurred in overseeing this investigative and remedial activity effective July 1, 1996. For the fiscal year 97/98, beginning July 1, 1997 to June 30, 1998, the activities associated with corrective action may include, but are not limited to, the facility investigation, risk assessment, corrective measures study, corrective measure implementation, interim measures (if needed), and public participation.

The first step in the corrective action process is the preparation of a RCRA Facility Assessment (RFA) by DTSC to determine whether any releases from your facilities require further investigation. DTSC plans to conduct RFA's for the eleven generating stations beginning July 1, 1997. If we determine that further investigation is required, we will provide Southern California Edison with an estimate of the costs DTSC will incur in overseeing your corrective action for the fiscal year. DTSC will establish a reimbursement approach that is initiated by your payment of the estimated costs over a six-month time frame. Because DTSC's budget does not provide funding for

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corrective action activities for your facilities, funding must be collected in advance to carry out the program's specific responsibilities related to your facilities. Payments you provide will only be expended on activities directly related to your corrective action. An itemized invoice documenting DTSC's costs will be provided on a quarterly basis. As funding is drawn down, you may be required to make additional payments to cover future DTSC oversight costs. In the event that your total payment(s) exceed the amount DTSC bills for its oversight costs, the remaining balance will be promptly returned to you. DTSC will be in close coordination with you throughout the corrective action process, and we are prepared to discuss this aspect of the program at your convenience.

Currently, DTSC is conducting a comprehensive review of its regulatory requirements. This initiative, known as the Regulatory Structure Update (RSU), includes a concept for streamlining corrective action to minimize costs and to focus on results that are protective of public health and the environment, given the specifics regarding land use, location of the facility, and the mobility of any released constituents. DTSC will take actions consistent with this concept to provide for a flexible and streamlined process until regulations are adopted. Enclosed for your review and comment is a copy of the concept paper that outlines DTSC's streamlined corrective action approach.

I would like to discuss how we can streamline the corrective action activities underway at your facilities and options available for reimbursement of DTSC for its costs. Please review the enclosed concept paper with an eye for ideas on how we can improve the implementation and the cost-effective results of our mutual efforts. Please call me at (818) 551-2920 or Karen Baker at (562) 590-4944 to schedule a time for a meeting or a phone conversation.

Thank you for your cooperation.

Sincerely,

José Kou, Chief
Southern California Permitting Branch

Enclosure

cc: Ms. Karen Poon, Chief
Accounting Section
Department of Toxic Substances Control
P. 0. Box 806
Sacramento, California 95812-0806

9/3/96

Task: A.7
Team Leader: Peggy Harris
Staff: Nancy Ostrom
Date: 3/4/96

DRAFT CONCEPT PAPER
Corrective Action

ISSUE:

Should the Department of Toxic Substances Control (DTSC) develop improvements to its Corrective Action Program (CAP) for non-RCRA and RCRA facilities, where applicable, to establish a streamlined, cost-effective corrective action procedure that provides clear guidance and goals while providing protection commensurate with the level of risk posed by the site?

Are the current procedures for performing corrective action appropriate to the level of risk posed by the sites?

RECOMMENDATION:

The recommendation of this paper is to streamline corrective action for non-RCRA and RCRA facilities, where applicable, focusing on flexibility to account for site-specific conditions in site characterization, risk assessment and land use assumptions; standardized elements, such as a remediation matrix to simplify selection of a remedy; delayed activity to provide opportunity to accumulate financial support; and efficient, co-operative procedures that establish scope, appropriate parameters and schedule commitments.

BACKGROUND:

State and federal laws require, with some exceptions, all storage, treatment and disposal facilities to implement corrective action, identifying all known and potential sources of hazardous waste or hazardous substance releases, investigating their extent and remediating them as needed. Introduced in the Hazardous and Solid Waste Amendments of 1984 to the Resource Conservation and Recovery Act (RCRA), corrective action was developed as a proactive program to prevent the creation of future Superfund sites and to allow facilities to continue operating during and after cleanup activities. The objective of corrective action is to evaluate the nature and extent of releases of hazardous wastes or their constituents, to evaluate facility characteristics and to identify, develop and implement corrective action measures for remediation at hazardous waste management facilities.

Current federal guidance for corrective action describes a comprehensive process that resembles the federal Superfund cleanup program. Several years ago, U.S. EPA issued draft regulations for its CAP, the proposed Subpart S, which were never finalized due to extensive public comment. U.S. EPA intends to issue new draft regulations within the upcoming two years and may be receptive to adopting alternative approaches that depart from the traditional site cleanup process.

Because California's hazardous waste program is broader in scope than the federal program, corrective action requirements apply not only to over 500 RCRA facilities in California, but also to an estimated additional 1,200 facilities under California's Tiered Permitting Program. Ultimately, corrective action can affect a substantial number of facilities in California, as well as State and local agencies. DTSC recognizes the need for a CAP that reconciles efficiency and effectiveness, and addresses the concerns of affected facilities and agencies.

Concerns about corrective action that have been expressed to DTSC in the past focus on issues such as how cumbersome and costly corrective action can be, the absence of clear corrective action goals, the absence of guidance for characterizing a release and the fiscal impacts of correction action on the facility. To address these concerns and others that are certain to arise as the process of developing a CAP proceeds, DTSC has begun to collect examples of specific corrective action issues and a range of alternatives, options and remedies for these problems. DTSC believes substantial opportunity exists to streamline the CAP process to make it cost-effective, results-oriented, and timeline efficient for California. In time, such a streamlined corrective action process may influence federal requirements.

PROPOSED CORRECTIVE ACTION CONCEPTS:

Using information provided by DTSC's Regional offices, other states and RSU comments, DTSC has developed a number of innovative concepts that will help to focus and simplify the application of the corrective action process. These concepts will be incorporated into a proposed streamlined approach for corrective action, to be implemented through regulations and guidance. One of the major concepts that make the corrective action process more effective is the use of an industrial land use scenario when evaluating the risk posed by contamination. Rather than rely solely on background concentrations or a residential land use scenario, as is currently typical when evaluating risks, in some instances it will be appropriate to employ an industrial land use scenario. With the industrial land use, certain pathways in the risk analysis associated with residential exposure, such as food chain parameters, do not apply and may be eliminated from the assessment. DTSC will determine the circumstances under which an industrial scenario may be used and will establish criteria for making this determination. These criteria will be included in the proposed regulations.

Another concept for improving corrective action is the use of a standardized model for evaluating the risks associated with a particular facility, which will be used by DTSC and may be used by the facility. CalTox provides a multimedia, multipathway exposure model that considers transport and transformation. The use of CalTox provides flexibility by allowing selection of site-specific input parameters and site-specific exposure and transport pathways depending upon the conditions at a particular facility. DTSC will work with the regulated community to develop criteria for determining the appropriate parameters to apply in given circumstances. For example, as described above, certain food chain pathways will be eliminated under industrial land use scenarios. Because CalTox may not be applicable in all instances, other multimedia, multipathway exposure models may be used. In addition, facilities may elect to use other multimedia, multipathway exposure models as a substitute for CalTox. DTSC will prepare criteria for review of the parameters used for alternative, equivalent exposure models. DTSC will also work to ensure that cleanup goals and criteria for corrective action are consistent with those used for site mitigation.

The corrective action concepts also incorporate opportunities for more effective interaction with the affected parties. For example, a scoping meeting with the applicant at the outset of the corrective action process can be used to clearly describe the scope of the process and the schedule to which all parties agree to adhere. Establishing schedule commitments and some parameter assumptions early reduces uncertainty and helps to focus the process. DTSC will develop a list of suggested agenda items to consider and discuss in pre-project scoping meetings.

Another concept that simplifies corrective action involves replacing the corrective measures study (CMS) with a remediation matrix under certain circumstances. DTSC will develop a remediation matrix which will provide a list of technologies demonstrated to be effective for certain constituents under designated conditions. If a remedy is selected from the remediation matrix, the remedy evaluation process typically undertaken in the CMS may be eliminated. Such a standardized list of corrective action options allows a simplified remedy selection process for simple, noncomplex sites, removing the requirement for an unnecessary comprehensive evaluation in these instances.

Finally, the concept of delayed corrective action will provide flexibility for implementing corrective action at a time in the future, before contamination poses an exposure risk, allowing an interval to accumulate sufficient funds to implement a remedy. This approach allows corrective action to be implemented at a pace appropriate to the site-specific conditions and allows facilities to plan for financing corrective action, reducing the immediate economic impact. DTSC will establish both criteria for determining when corrective action may be delayed and a financial mechanism for future funding of corrective action.

DTSC is also considering a concept modelled after proposed federal Senate Bill 1274 in which a DTSC-approved remedial management plan may be used in lieu of Health and Safety Code chapter 6.5 requirements for treatment, storage, disposal or transportation for wastes generated during remediation.

PROPOSED CORRECTIVE ACTION APPROACH:

To accommodate the wide variety of situations likely to be subject to corrective action, the proposed corrective action process focuses on a flexible, menu-driven approach in which only applicable elements are included for a given site. While the steps described below provide a framework for approaching corrective action, the actual steps or processes needed for a particular site may vary widely depending upon the conditions of the site. In some instances, steps may be eliminated where they are not necessary. To ensure that this flexible approach is effectively applied, DTSC will institute implementation improvements in conjunction with the development of regulations and guidance. Examples of implementation changes include developing standards for DTSC staff to use in determining appropriate corrective action elements for given site-specific conditions, providing comprehensive training, and modifying the corrective action manual to reflect the new, more flexible approach.

The facility assessment phase of the process (sometimes referred to as the RCRA facility assessment, or RFA), is used to determine the existence of past, existing or potential contamination at a facility and decide which units should be included in the corrective action process. Under the proposed streamlined process, this assessment will rely upon site-specific conditions at the facility and compare the results of the assessment against screening criteria. These criteria will include default concentration levels, which indicate levels at which hazardous wastes or constituents do not pose or will not pose a risk to human health and the environment. If the constituents associated with a particular unit exceed the default concentrations, that unit will be included in the corrective action process. The default concentrations will be developed using a multimedia, multipathway exposure model that considers transport and transformation (CalTox). The model will assume a residential land use scenario, unless the facility meets the criteria for using industrial land use. In addition to the default concentrations, other site-screening levels, such as those described in the Preliminary Endangerment Assessment manual, will be available as screening criteria for use in those instances in which CalTox is not applicable. A statistical methodology for evaluating when the default concentrations are exceeded will also be provided. Using CalTox to develop the default concentrations allows flexibility in the selection of site-specific input parameters to consider and the use of the industrial land use scenario provides flexibility in the selection of exposure pathways to consider. This flexibility focuses this phase and limits corrective action activities to those necessary given the site-specific conditions present. Facilities may elect to use a multipathway, multimedia model other than CalTox. DTSC will prepare criteria for review of the parameters used for alternative, equivalent exposure models. DTSC is also exploring the possibility of emphasizing facility-wide corrective action over property-wide corrective action in those instances in which the facility of concern comprises a limited portion of a piece of property. A table of default concentrations could be provided, but at this time, DTSC is leaning towards establishing a process for developing defaults. The reason for this is to allow flexibility and allow more immediate incorporation of scientific innovation into the process. DTSC will also work to ensure that cleanup goals and criteria for corrective action are consistent with those used for site mitigation.

n th facility investigation or characterization phase of the process (also known as the RCRA a investigation or RFI), the extent of past, existing or potential contamination at a facility is escribed in detail. Although the proposed streamlined corrective action regulations will specify the ntire range of elements that may be included in the facility characterization plan, not all of the lements will be relevant to all facilities and clear guidance will be provided to determine the ppropriate elements for a facility according to its site-specific conditions. Additional proposals iat DTSC is considering and evaluating for potential incorporation into the corrective action rocess include the possibility of characterizing some components as model elements, the ossibility of designating some components for inclusion but not subject to review, and the ossibility of specifying a procedure for establishing plan review commitments and criteria for stablishing instances in which plan approval prior to investigation may not be necessary. This roposal helps to reduce the scope of the investigation by limiting its elements to only those levant to a particular site. This phase could also be further simplified and streamlined if it is asible to standardize model elements and abbreviate DTSC's review and approval activities.

he process of evaluating and selecting corrective measures (commonly referred to as the orrective Measures Study or CMS) uses information gathered during previous assessments and vestigations to determine appropriate methods for correcting past, existing or potential ntamination at a facility. The proposed streamlined corrective action process will provide a mediation matrix to simplify the selection and implementation of corrective measures at some cilities. If a remedy is selected from the matrix, the corrective measures study may be eliminated. TSC will designate media cleanup levels using a multimedia, multipathway exposure model that nsiders transport and transformation (CalTox) using appropriate parameters and an appropriate nd use scenario based on reasonably expected future land use. The owner or operator will be sponsible for ensuring that its selected remedy will meet the cleanup levels, submitting the remedy sign to DTSC for information, but not for review or approval. DTSC will also provide criteria for t ining no further action. This phase of the process is simplified not only by use of the n ation matrix, when applicable, but also by the use of CalTox for establishing cleanup ndards and the availability of industrial land use scenarios, when appropriate. Facilities may elect use a multipathway, multimedia model other than CalTox. DTSC will prepare criteria for review the parameters used for alternative, equivalent exposure models.

FFECTED PROGRAMS:

e CAP applies to RCRA-permitted treatment, storage and disposal facilities; all of California's ll- and standardized-permitted treatment, storage and disposal facilities; and California's Permit-/-Rule and Conditionally Authorized facilities. As mentioned, this amounts to over 500 facilities bject to federal law, and an estimated 1,200 facilities under the Tiered Permitting Program. TSC's Permitting Division will be overseeing corrective action at the facilities subject to federal v. Local agencies certified by Cal/EPA as Certified Unified Program Agencies (CUPAs) may o be affected if they take the lead for corrective action at the Tiered Permitting facilities. In dition, DTSC will work with the Water Resources Control Board (WRCB) to establish nsistency in corrective action activities.

ELATED STATUTE/REGULATION:

mentioned, several years ago, U.S. EPA developed draft regulations for the CAP which were ver finalized. Current federal guidelines for implementing a CAP resemble the approach used in perfund cleanup projects. When DTSC became authorized to implement the RCRA program in 91, DTSC obtained statutory authority to implement an equivalent CAP in California. Changes the CAP for California will potentially take the form of new regulations and guidance, and no ditional statutory authority is expected to be necessary.

OBJECTIVES TO BE ACHIEVED THROUGH DECISION:

The development of a streamlined corrective action program would provide an effective, efficient, site-sensitive, risk-based approach for corrective action that includes delay, if needed, for funding accumulation.

ALTERNATIVES AVAILABLE:

The alternatives available for this topic are limited to either retaining the existing corrective action procedure or changing corrective action to include a more flexible, site-specific approach..

Alternative 1 - No change. This alternative would retain the existing corrective action procedure which relies only on relatively informal federal guidance without enabling regulations.

Pro: - would require no regulatory changes

Con: - would accomplish no improvement, would not improve consistency
- a cumbersome unclear procedure would remain

Alternative 2 - Streamline corrective action. This alternative is described at length in the proposed corrective action concepts and proposed corrective action approach. Its primary features focus on flexibility to account for site-specific conditions in site characterization, risk assessment and land use assumptions; standardized elements, such as the remediation matrix to simplify selection of a remedy; delayed activity to provide opportunity to accumulate financial support; and efficient, co-operative procedures that establish scope, appropriate parameters and schedule commitments.

Pro: - would simplify corrective action procedures
- would emphasize site-sensitive considerations to limit unnecessary activities
- would employ an available, accessible exposure model, providing flexibility in selection of site-specific input parameters and allow for the use of alternative models
- would allow consideration of various land use scenarios, providing flexibility in selection of exposure and transport pathways
- would provide model elements, such as the remediation matrix, reducing unnecessary or repetitive analysis or evaluation
- would clearly establish scope and schedule commitments, reducing uncertainty and unnecessary or unwanted delay
- would provide a mechanism for delaying activities, if needed, allowing the facility to plan for resource allocation, accumulate funding, and relieve sudden economic burdens
- would reduce DTSC review and approval activities, when appropriate, abbreviating the corrective action timeframe
- would codify corrective action procedure and requirements, clarifying the process

Con: - decreased DTSC oversight
- while necessary, the development of process and model elements such as the remediation matrix and establishment of criteria and mechanisms is time-consuming and resource intensive

RECOMMENDED ALTERNATIVE:

The recommended alternative is the second alternative: to develop a streamlined corrective action program that is effective, site-sensitive, and flexible, incorporating the proposed corrective action concepts described earlier into the proposed corrective action approach, also described earlier.

1) Protectiveness: A streamlined corrective action approach will retain all of the elements necessary to protect public health and the environment from incidences of hazardous waste or hazardous substance releases at facilities while simultaneously eliminating elements.

irrelevant given the site-specific conditions of the facility. Concepts that introduce flexibility and site-sensitivity into the corrective action process allow designation of only those parameters and pathways expected to be of consequence at facilities, thereby avoiding overly restrictive or conservative requirements without compromising those elements necessary to provide protection. Similarly, concepts that introduce early participation and delayed activity provide assurances that the elements of the process, the timeframe and the availability of financial resources are appropriate to the conditions at the facility and do not unnecessarily affect its operation.

2) Regulatory Impact: Because current regulations only provide requirements to conduct corrective action without specifying a procedure for doing so, the proposed corrective action approach would be implemented through new regulations and guidance that supplement existing regulations. This alternative does not eliminate or amend existing overly restrictive or duplicative requirements because such requirements do not exist. The corrective action approach proposed in this alternative includes a number of concepts that provide flexibility and clear expectations, which in turn encourage voluntary compliance without sacrificing enforceability. DTSC will work with the Water Resources Control Board (WRCB) to establish consistency in corrective action activities. DTSC will also include in its requirements provisions that are suitable for CUPAs to implement.

3) Program: Implementing a streamlined corrective action process will require promulgation of regulations, development of criteria and guidance and development and implementation of staff training programs. The regulated community will benefit from clear and consistent requirements that are easier to implement, particularly for simple sites.

4) Fiscal: Few cost estimates are available for existing corrective action procedures. However, the major concepts associated with this alternative focus on efforts to simplify, standardize, and streamline corrective action, all with the aim of eliminating unnecessary evaluation and providing an easier means of accomplishing necessary evaluation. In general, the direction of such changes reduces the costs to industry of performing corrective action. The fiscal impacts to DTSC are uncertain, but may result in less corrective action activity in the near term if a number of facilities elect to delay corrective action.

5) RCRA Authorization Impact: Because DTSC is already authorized by U.S. EPA to conduct corrective action in California, no impact on RCRA Authorization efforts is anticipated.

6) Public Information/Sensitivity: Because corrective action affects permitted facilities, interest is likely to be focused within the permitted community and focused on technical issues. The HWMP will coordinate with DTSC's External Affairs Program to hold workshops when draft regulations are developed, but not yet proposed. Other agencies such as the WRCB and local CUPAs may also be interested in the development of a corrective action program and DTSC will coordinate with those agencies to address their concerns.

7) Support Needed: To develop corrective action regulations, support from DTSC's Regulations Development Section and Legal Office will be required. Assistance from the regional offices and technical groups within DTSC will also be needed. For example, liaisons from each of the four regional offices and from the tiered permitting program have been identified to provide field-based input and support. Also, support from DTSC's Office of Scientific Affairs will be needed for cleanup levels and appropriate future land uses following corrective action. Similarly, assistance from DTSC's Site Mitigation Program and Office of Pollution Prevention and Technology Development will be needed to identify appropriate technologies for a corrective action remediation matrix analogous to Site Mitigation's matrix of remediation technologies.

CRITERIA EVALUATION:

A. Are the environmental and public health circumstances and/or lack of federal/state regulatory oversight that led to the establishment of the requirement still in existence?

Corrective action serves an important purpose by addressing incidents of contamination prospectively or early, in an attempt to forestall serious risk of exposure or avoid long-term, complex and costly site mitigation activities. These circumstances have not changed. This consideration, however, does not apply well as a comparison of the proposed alternative with existing conditions. As described, DTSC has RCRA authority to implement corrective action and existing regulations establish requirements to conduct corrective action without specifying a process. Requirements associated with a streamlined corrective action program would result in new regulations promulgated as an adjunct to clarify existing requirements. Currently, corrective action is conducted according to relatively informal federal guidance and is not consistently performed. Corrective action cannot be eliminated completely for RCRA facilities and removing corrective action for other facilities is likely to only postpone the need to remediate facility contamination, perhaps to the point that the contamination poses a greater risk or more complex problem than if it had been addressed earlier. Developing a streamlined corrective action process for California is not expected to affect other states directly. Other states may be indirectly affected if U.S. EPA incorporates elements of California's program into the federal regulations.

B. Are there other regulatory requirements or agencies which adequately cover the concern addressed by the requirement?

As described, DTSC has RCRA authority to implement corrective action for RCRA facilities in California. Because current regulations only provide requirements to conduct corrective action without specifying a procedure for doing so, the proposed corrective action approach would be implemented through new regulations and guidance that supplement existing regulations and would apply to non-RCRA facilities and applicable RCRA facilities. These regulations will be promulgated before the federal corrective action regulations are promulgated and will operate independently of the federal requirements. Because the WRCB has responsibility for implementing corrective action at facilities under that agency's control, DTSC will work with the Water Board to establish consistency in corrective action activities. DTSC will also include in its requirements provisions that are suitable for CUPAs to implement at facilities under the local agencies' control. DTSC has solicited other states for examples of their corrective action programs and will consider those examples while developing this streamlined corrective action program.

C. Is the requirement a rational use of environmental protection resources given the potential risks and their probability and significance?

As described earlier, the primary concepts associated with a new corrective action program focus on efforts to simplify, standardize, and streamline corrective action, all with the aim of eliminating unnecessary evaluation and correction, and providing an easier means of accomplishing necessary evaluation and correction. In general, the direction of such changes reduces the costs to industry of performing corrective action when compared to existing practices. Corrective action is employed to remedy both past or existing contamination or exposure, and to prevent future or potential contamination or exposure. Neglecting corrective action in the present is likely to have the effect of merely postponing, and possibly magnifying, consequences to the future. By developing a program that provides flexibility to consider only those elements, parameters and pathways applicable to a facility, environmental protection resources can be focused effectively on the risks posed at that facility.

D. Is there a regulatory alternative that would achieve the desired human health and safety or environmental benefit in a more cost-effective and flexible manner?

The proposed corrective action approach presented herein maximizes flexibility, and thereby efficiency, as described at length in this paper. If other feasible opportunities for flexibility are submitted as comments or encountered in DTSC's review of other states' corrective action programs, they will be considered for inclusion in the proposed approach. The proposed corrective action program could provide an incentive to employ waste minimization techniques to avoid creating sites that need to be remediated. The proposed corrective action program could provide an incentive to use environmental technologies, specifically those technologies that can be designated appropriate remedies.

K. BAKER

Cal/EPA

Department of
Toxic Substances
Control

245 West Broadway,
Suite 425
Long Beach, CA
90802-4444

Pete Wilson
Governor

James M. Strock
Secretary for
Environmental
Protection

January 3, 1997

Mr. George M. Becker
Senior Environmental Specialist
Southern California Edison Company
P.O. Box 800
2244 Walnut Grove Avenue
Rosemead, California 91770

Dear Mr. Becker:

COMMENTS ON SUMP INTEGRITY REPORT

The Geological Services Unit (GSU) of the Department of Toxic Substances Control (DTSC), has reviewed the document entitled, "*Sump Integrity Report for Southern California Edison Facilities*", dated December 19, 1996. The document was prepared by the Southern California Edison Company (SCE). The Sump Integrity Report (SIR) was submitted pursuant to Stipulation Agreement No. BC 121219 Section VIII.A.2.

The SIR describes the explorations performed, analytical results, and conclusions of a sump integrity investigation program conducted at ten SCE generating station water processing sumps. The sump integrity investigation program performed procedures outlined in an approved Sampling and Analysis Plan (SAP). However, three additional structures were added to this sump integrity investigation program since the SAP was approved. Two of these additional structures were investigated utilizing procedures in previously approved Leak Detection Workplans. The investigation of the third additional structure followed the SAP rationale for an adjacent sump at that SCE station.

The following comments are directed to SCE. A revised SIR incorporating responses to these comments is expected.

GENERAL COMMENTS

1. The overall SIR is well organized by individual generating station and the results are clearly presented in highlighted tables. However, the document lacks page numbering which would aid in reference citations.

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2. There appears to be a general correlation between high sulfate levels and lower pH values in the soil. It is understood that sulfuric acid was used in the water processing operations at these sumps and demineralizer basins.

3. When comparing field pH values to laboratory derived pH values a general trend towards a neutral condition (pH = 7) is evident. A review of the laboratory reports indicate that although samples were delivered to the laboratory promptly, the analysis for pH was often conducted 7 to 10 days after sample collection. Since daily calibration of the pH meter ensured reliable results, the DTSC considers the field pH values a closer reflection of the representative conditions in the subsurface.

SPECIFIC COMMENTS

1. **Introduction**

Please revise the Summary of Conclusion table to merely indicate if there is evidence of a release (Yes or No), since the terms "spillage" and "leaked" both indicate that a release has occurred.

2. **Section 1 - Alamitos**

a) There is no mention of a four (4) inch thick wet layer of silt that was observed at four feet below ground surface (bgs) in boring No. 4B. It was noted that immediately above and below this horizon the soil was dry to slightly moist.

b) If high pH values (up to 11.59) are attributable to remnants of cement, then a comparison of calcium and magnesium values should be discussed for boring Nos. 5, 6, and 7 since these minerals would be prevalent in a cement contaminated sample.

c) Please indicate on Figure 1 the two locations where the liner and walls had been severely eroded. Also, revise the plan view to indicate the solid line as the berm, or move the solid line to correspond to the section view. In addition, it was observed that the void was larger than depicted, extending upward to the concrete floor at boring No. 1B.

d) Include the data from boring No. 5 on Tables 3 and 4.

e) Please indicate the field pH value for the saturated soil sample collected from boring No. 1B. Laboratory analysis of this sample occurred three weeks after collection.

3. **Section 2 - Coolwater**

Please explain why a total of three borings were not completed to the final depth, as specified in the approved SAP.

4. **Section 3 - El Segundo**

a) Provide the construction diagrams for the brine tank foundation, in order to verify the assumption that a barrier exists which caused the observed saturated conditions at 5 feet bgs.

b) There is no mention of orange colored sand observed in initial (first attempt) borings No. 2 and 3 at shallow depths (1.5 to 3 feet bgs). Also, there is also no mention of orange damp sand observed at 9 feet bgs in boring No. 4. In addition, there is no mention of orange wet sand observed in boring No. 1 at 3 to 4 feet bgs (above the grey sand/gravel slurry encountered at 5 feet bgs).

c) A new background boring location must be placed due to impact (high sulfate values shallow and low pH values at depth) from the sump leak.

5. **Section 4 - Highgrove**

There is no mention of what appeared to be four patched areas on the concrete floor.

6. **Section 5 - Huntington Beach**

a) Please explain why the high pH values do not correspond to high calcium/magnesium values as would be expected for cement contaminated samples.

b) Although there was an insufficient amount of groundwater for laboratory analysis, there is no mention in the text that the limited quantity of groundwater that was collected in boring No. 3 had a field pH value of 9.49.

c) The completed chain of custody form is missing from this section.

7. **Section 6 - Ormond Beach**

Polisher sump

a) Please explain the terms "overflow" and "spillage" in light of the orange stained, low pH sand which extends from immediately below the concrete floor (1.5 feet bgs) to 5 feet bgs, and the red stained gravel layer under the sump.

b) Figure 8 does not accurately depict the thickness of the concrete or the orange colored sand as described in the text.

Demineralizer sump

a) There is no mention of a saturated gravely sand layer observed at 4.5 feet bgs in boring No. 4.

b) Please explain how overflow from the sump could occur and why discoloration extends throughout the sand section, and is not limited to shallow depths as would be expected from an overflow.

c) Include a discussion of the buffering action of groundwater and how it may affect soil pH values below the water table.

d) The two samples analyzed for metals do appear to have been affected by the low soil pH, as indicated by the low metal concentrations. It appears the metal species have leached out of the soil.

Comparison with background metal concentrations would determine whether high ambient levels of inorganics exist at this location.

8. **Section 7 - Redondo Beach**

a) There is no information noted on discoloration of shallow soil with low pH values at the polishing sump. There is concern that a lack of close observations may have allowed field screening opportunities to be missed (see demineralizer sump boring No. 4 at Ormond Beach).

b) High field pH values for borings No. 5 and 6 at the 5 foot horizon were not mentioned in the text.

c) High chloride and high sodium values detected in boring No. 5 at all depths was not mentioned in the text.

d) There is concern that the background location chosen for the demineralizer sump is not representative of conditions adjacent to the sump. Values for calcium, sulfate, and fluoride are very dissimilar to the sump borings values.

9. **Section 8 - San Bernardino**

   a) The statement, "the values under the basin are higher than the background values, however, they do correlate with other pH tests on the site" should be supported by presentation of the other data.

   b) There is concern that the background location chosen for the demineralizer sump is not representative of conditions adjacent to the sump. Values for nitrate, sulfate, potassium, sodium, and magnesium are very dissimilar to the sump borings values.

   c) The completed chain of custody form is missing for this section.

10. **Section 9 - Etiwanda**

    The high sulfate values, as compared to background, also indicate the demineralizer basin has leaked.

If you have any questions concerning this matter, please contact me at (310) 590-4944 or Mr. Greg Sweel at (310) 590-5504.

Sincerely,

Karen Baker

Ms. Karen Baker
Unit Chief
Facility Permitting Branch

cc: See next page.

cc: Mr. Patrick Hamilton
2715 Altamira Circle
West Covina, CA 91792

Mr. Jose Kou, Chief
Southern California Permitting Branch
Department of Toxic Substances Control
245 West Broadway, Suite 350
Long Beach, California 90802

Mr. Mohinder Sandhu, Chief HQ-10
Permit Streamlining Branch
Department of Toxic Substances Control
400 P Street, 4th Floor
Sacramento, California 95814

BAKER

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epartment of
oxic Substances
ontrol

45 West Broadway,
Suite 425
ong Beach, CA
0802-4444

December 3, 1996

Pete Wilson
Governor

James M. Strock
Secretary for
Environmental
Protection

Mr. George M. Becker
Senior Environmental Specialist
Southern California Edison Company
P.O. Box 800
2244 Walnut Grove Avenue
Rosemead, California 91770

Dear Mr. Becker:

APPROVAL OF SAMPLING AND ANALYSIS PLAN FOR SOUTHERN CALIFORNIA EDISON COMPANY REDONDO BEACH GENERATING STATION UNIT 8 AIR PRE-HEATER WASH

The Department of Toxic Substances Control (DTSC) has received the document titled *"Southern California Edison Company Redondo Beach Generating Station Unit 8 Air Pre-Heater Wash Sampling and Analysis Plan"*, submitted with a transmittal letter dated November 25, 1996. The Sampling and Analysis Plan (SAP) was submitted pursuant to Section VIII.A.1 of Consent Agreement BC121219.

The SAP has been reviewed and found to incorporate previous verbal comments made by the DTSC. Approval of this SAP is based on the premise that the information submitted is accurate and the SAP activities will be implemented as specified in the SAP. Modification to the SAP may be requested by DTSC staff as field conditions warrant.

If you have any questions regarding this matter, please call me at (310) 590-4944 or Mr. Greg Sweel (310) 590-5504.

Sincerely,

Karen Baker

Karen Baker, CEG, CHG
Unit Chief
Facility Permitting Branch

cc: See next page

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cc: Mr. Jose Kou, Chief
Southern California Permitting Branch
Department of Toxic Substances Control
245 West Broadway, Suite 350
Long Beach, California 90802

Mr. Mohinder Sandu, Chief HQ-10
Headquarters Permitting Branch
Department of Toxic Substances Control
400 P Street, 4th Floor
Sacramento, California 95814

June 10, 1998

MR. CARLOS ALCAINO

SUBJECT: Report Addendum No. 2
Site Remediation and Verification Sampling Results
Southwest, Distillate, and East-Center Tanks
Etiwanda Generating Station

Transmitted herewith are two copies of our report on a Site Remediation and Verification Sampling at the basins of the subject Tanks at Etiwanda Generating Station. Three copies are being submitted to SCE Environmental Affairs.

The analytical test results are summarized in Tables 1 in the report. The detailed results are presented in Appendix A.

In summary, remediation activities were performed in general accordance with the recommendation provided in the referenced Baseline Study Reports and as per the Soil Remediation Plan, dated March 9, 1998. Based on this verification sampling and analytical testing results, the identified impacted soils at the subject site have been completely removed and disposed of from the site.

Please call me at PAX 2-8720 if you have any questions about the report or if you need any additional information.

Zaid Ahmad, P. E.
Senior Civil Engineer
Geotechnical Group
Engineering & Technical Services
Southern California Edison Company

s/psec/civil/geotech/mc/etiw5.doc

cc: D. M. Chupa, Environmental Affairs (2)
R. A. De La Parra, Environmental Affairs
P. E. Lacroix, Etiwanda Generating Station
Randy Bick, E&TS
S. W. Weaver, E&TS

REPORT ADDENDUM NO. 2

BASELINE ENVIRONMENTAL STUDY

SITE REMEDIATION AND VERIFICATION SAMPLINGS

SOUTHWEST, EAST-CENTER, AND DISTILLATE TANKS

ETIWANDA GENERATING STATION

INTRODUCTION

This report serves as an addendum to the following reports:

1. Report Addendum No.1
   Baseline Environmental Study
   Southeast, Southwest and Distillate Tanks
   Etiwanda Generating Station
   Prepared by SCE Geotechnical Group
   Dated November 10, 1997

2. Report
   Baseline Environmental Study
   West Center and East Center
   Etiwanda Generating Station
   Prepared by SCE Geotechnical Group
   Dated December 29, 1997

3. Environmental Site Characterization at Distillate Tank
   Etiwanda Generating Station (ETGS)
   Prepared by SCE Geotechnical Group
   Dated April 17, 1998

The previous baseline studies were to evaluate presence of possible contamination at the basins surrounding Southeast, Southwest, East-center, and Distillate Tanks at the

Etiwanda Generating Station. The objective of the referenced reports was to determine if the soil within a tank system (heaters, pumps, pipe connections, overflows, sample valves, piping and tanks) is contaminated with any of the liquid fuel oils used by the Edison system, and to establish the absence or presence of any petroleum contaminated soil beneath the tanks or within the tank basins, against which any future spills or leakage may be measured.

From the results of laboratory testing presented in referenced reports, four borings indicated soils located at depth with elevated levels of Total Recoverable Petroleum Hydrocarbons (TRPH). These areas are as follows:

Location	Depth (feet)	TRPH (mg/kg)
ETDT-1	0.5 2.5 4.5	3,480 2,100 5,200
ETEC-7	4.5	2,200
ETSW-13	0.5	10,800
ETSW-14	0.5 4.5	107,000 504

Based on letters prepared by Ms. Danielle Chupa of SCE Environmental Affairs, titled to the Regional Water Quality Control Board (RWQCB), Santa Ana Region, dated November 21, 1997 and April 9, 1998, it was decided that the locations described above are to be remediated and backfilled.

REMEDIATION EXCAVATION

To remediate the four subject areas, remediation excavation plans were developed and excavations were performed on April 22 and 28, 1998. The location of remediation excavations are depicted on Figure 1 through 3, Soil Remedition Plan.

During excavation, excavated materials were field screened by monitoring odor and visible soil discoloration, for indications of chemical contamination.

To ensure soils with elevated levels of TRPH being excavated and removed, verification samples were collected from the bottom and vertical walls of each excavation area. Collected soil samples were delivered, under proper Chain of Custody procedures, to a California certified laboratory to perform confirmation testing to determine TRPH in accordance with the EPA Method 418.1 procedures. Results of laboratory testing are presented on Table 1 and Appendix A.

Based on the verification sampling and results of confirmation testing, approximate final dimensions of each remediated areas are as follows:

Location	Limits of Remediation Excavation (after Verification Sampling and Confirmation Testing completed) Length X Width X Depth (feet)
ETDT-1	4X5X7*
ETEC-7	3X3X5
ETSW-13	3X3X1
ETSW-14	3X5X6*

Note:

*: Revised from Soil Remediation Plan based on verification samplings and confirmation testing.

It should be noted that in accordance with the previous stated letter submitted from the Environmental Affairs to RWQCB, and to avoid undermining the foundation of the Distillate Tank, impacted soils located directly beneath the Distillate Tank were left in place until the tank is decommissioned or removed from the site.

BACKFILL

Temporary storage and disposal of the excavated oil impacted soils; and backfill of excavated areas were generally in accordance with the 'Soil Remediation Plan' prepared by Mr. Rene Hernandez of SCE, Engineering and Technical Services (E & T S), Construction Management Group, dated March 9, 1998 and depicted on Appendix B.

CONCLUSIONS OF REMEDIATION ACTIVITIES

In summary, remediation activities were performed in general accordance with the recommendations provided in the referenced Baseline Study Reports and Soil Remediation Plan. Based on the verification analytical testing results, it is believed that identified oil impacted soils at the subject site has been completely removed. No further soil remediation, soil sampling, and testing is needed.

Respectfully submitted,

Ming L. Chi
Geotechnical Group
E & T S

ZAID AHMAD, P.E.
Lead Engineer
Geotechnical Group
Engineering & Technical Services
Southern California Edison Company

Attachments

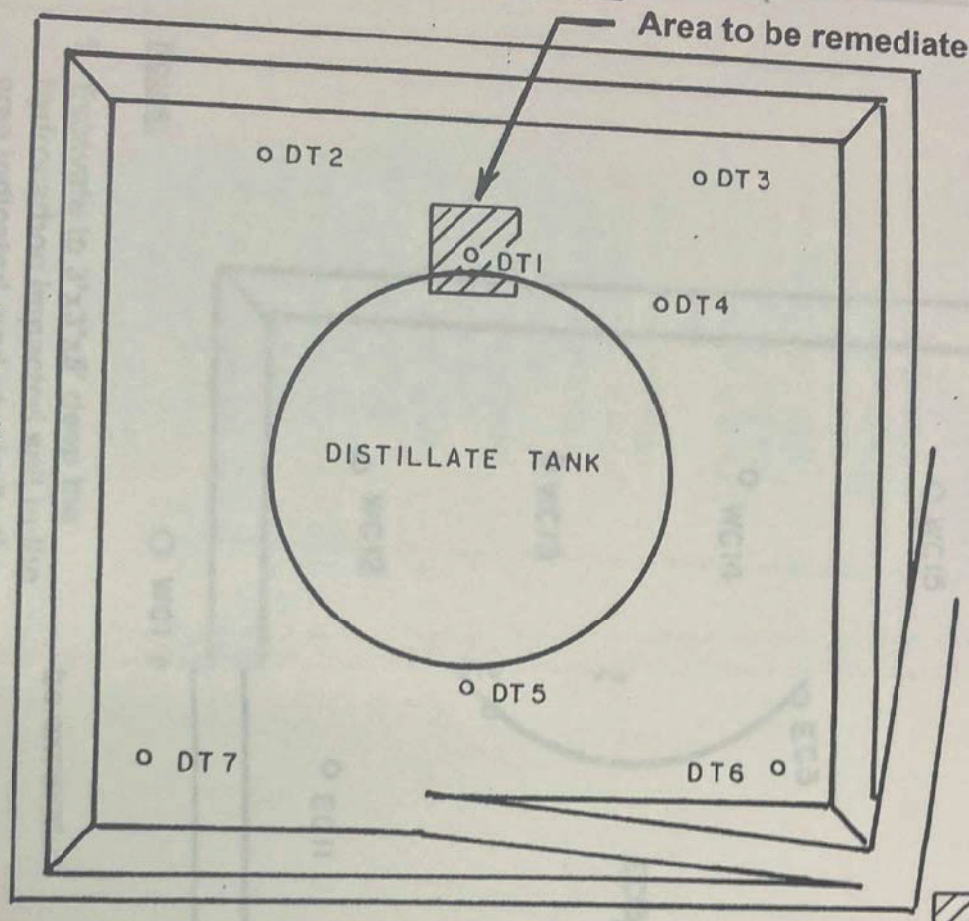
cc: D. M. Chupa, Environmental Affairs (2)
R. A. De La Parra, Environmental Affairs
P. E. Lacroix, Etiwanda Generating Station
Randy Bick, E&TS
S. W. Weaver, E&TS

s/civil/geotech/za/etiw4.doc/mc

Reference Report:
Addendum No. 1
Baseline Environmental Study
Southeast, Southwest and Distillate Tanks
Etiwanda Generating Station
November 10, 1997

Notes:

1. Excavate to 3'x3'x5' deep the hydrocarbon impacted soil in the area indicated, and stockpile the soil on plastic sheeting prior to disposal.
2. Inform Zaid Ahmad, @ PAX 28720, at least 24 hours in advance for verification sampling and testing.
3. Backfilling of the excavated area shall be done, following the verification process and test results, with clean, granular engineered fill, placed and compacted in accordance with SCE standard specifications.
4. Disposal of all affected soil should be per the current applicable regulatory agency guidelines and per verification sampling test results.



DT1 - SAMPLE LOCATION

Area to be excavated

ETIWANDA GENERATING STATION

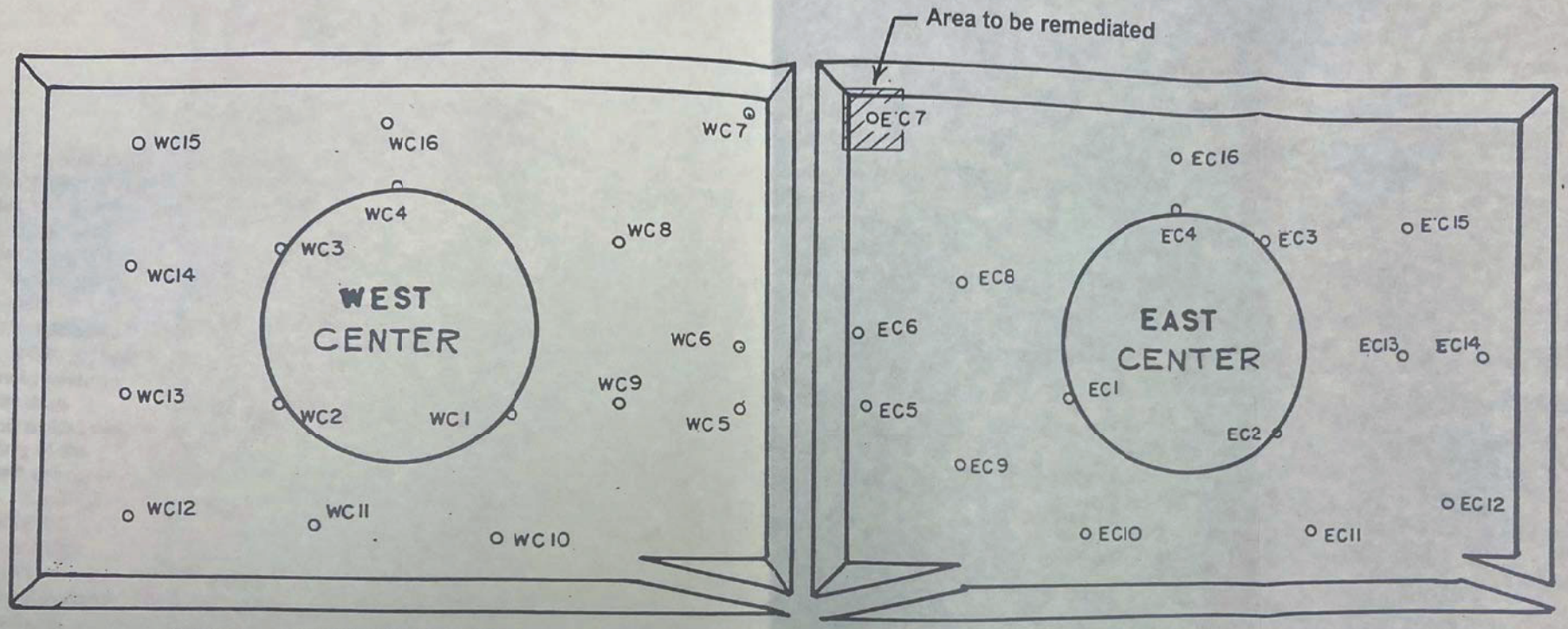
SCALE: N.T.S.	APPROVED BY:	DRAWN BY dcm
DATE: 2/23/98		REVISED

SOIL REMEDIATION PLAN

DRAWING NUMBER
FIGURE 1

8½ X 11 PRINTED ON NO. 1000H CLEARPRINT ®

rence Report: Baseline Environmental Study
West Center and East Center
Etiwanda Generating Station
December 29, 1997



○ WC1 or EC1-SAMPLE LOCATION

— Area to be excavated

es:

Excavate to 3'x3'x5' deep the
ydrocarbon impacted soil in the
rea indicated, and stockpile the
oil on plastic sheeting prior to
disposal.
nform Zaid Ahmad, @ PAX 28720,
t least 24 hours in advance for
erification sampling and testing.

3. Backfilling of the excavated area shall be done, following the verification process and test results, with clean, granular engineered fill, placed and compacted in accordance with SCE standard specifications.
4. Disposal of all affected soil should be per the current applicable regulatory agency guidelines and per verification sampling test results.

ETIWANDA GENERATING STATION

SCALE: ≈ 1" = 50'	APPROVED BY:	DRAWN BY dcm
DATE: 2/23/98		REVISED

SOIL REMEDIATION PLAN

DRAWING NUMBER FIGURE 2

vate to 3'x3'x1'-6"
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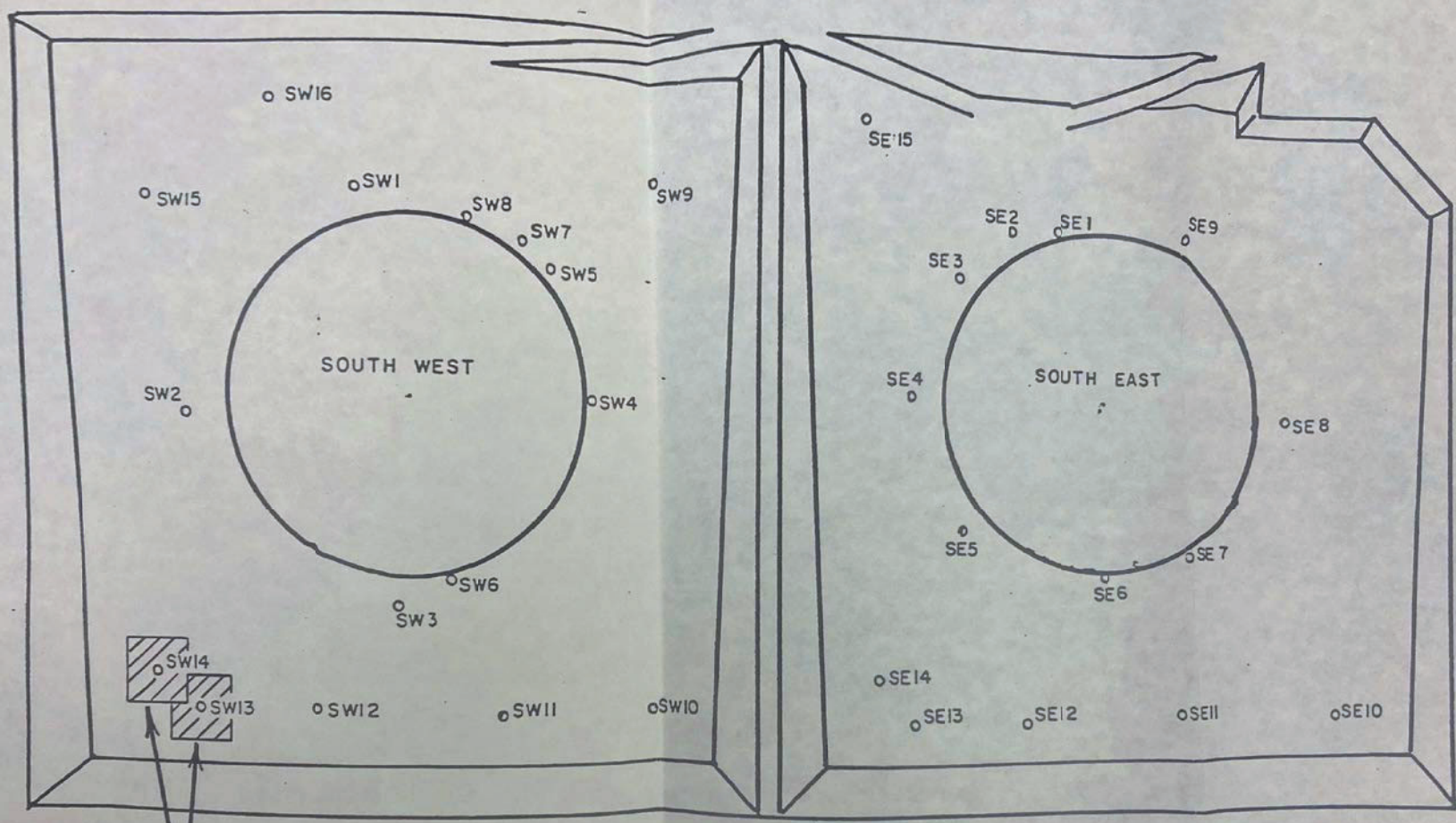

SW1 or SE1 - SAMPLE LOCATION

Areas to be remediated

– Area to be excavated

Reference Report: Addendum No. 1
Baseline Environmental Study
Southeast, Southwest and Distillate Tanks
Etiwanda Generating Station
November 10, 1997

ETIWANDA GENERATING STATION		
SCALE: ≈ 1" = 80'	APPROVED BY:	DRAWN BY dcm
DATE: 2/23/98		REVISED
SOIL REMEDIATION PLAN		
		DRAWING NUMBER FIGURE 3

TABLE 1

SUMMARY OF LABORATORY VERIFICATION TEST RESULTS

DISTILLATE, SOUTHWEST, AND EAST-CENTER TANKS
VERIFICATION SAMPLING
ETIWANDA GENERATING STATION
EPA 418.1 (TRPH)

Location	Date Collected	Depth (feet)	TRPH (mg/kg)
VETDT1E [1]	04/22/98	2.5	88
VETDT1W	04/22/98	2.5	48
VETDT1N	04/22/98	2.5	81
VETDT1S [2]	04/22/98	3.5	500
VETDT1B	04/22/98	5.5	220
VETDT1B2@7'	04/28/98	7	39
VETEC7E	04/22/98	2.5	46
VETEC7W	04/22/98	2.5	37
VETEC7N	04/22/98	2.5	ND [3]
VETEC7S	04/22/98	2.5	43
VETEC7B	04/22/98	5	ND
VETSW13E	04/22/98	1	57
VETSW13W	04/22/98	1	ND
VETSW13N	04/22/98	1	99
VETSW13S	04/22/98	1	ND
VETSW13B	04/22/98	2	53
VETSW14E	04/22/98	1	ND
VETSW14W	04/22/98	1	42
VETSW14N	04/22/98	1	ND
VETSW14S	04/22/98	1	61
VETSW14B	04/22/98	2	105
VETSW14B2@6'	04/28/98	6	43

Note:

1. **E**: East Wall; **W**: West Wall;
   N: North Wall; **S**: South Wall
   B: Bottom
2. Located directly beneath the Distillate Tank
3. **ND**: Not Detected

APPENDIX A

LABORATORY TEST DATA
AND
CHAIN OF CUSTODY RECORDS
DISTILLATE, SOUTHWEST, AND EAST-CENTER TANKS
ETIWANDA GENERATING STATION

April 23, 1998 ELAP No.: 1838

Southern California Edison
2131 Walnut Grove Ave., Bldg. G03
Rosemead, CA 91770

ATTN: Mr. Zaid Ahmad

Client's Project: Etiwanda Excavation
Lab No.: 25407-001/020

Gentlemen:

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (310) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Edgar P. Caballero
Laboratory Director
EPC/ms

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

Mailing Address: P.O. Box 9108 Newport Beach, CA 92658
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Address: 2131 Walnut Grove Ave., Bldg. G03
Rosemead, CA 91770

Attn: Mr. Zaid Ahmad

Project: Etiwanda Excavation

Matrix: Soil

Lab No.: See Below
Date Sampled: 04/22/98
Date Received: 04/22/98
Date Analyzed: 04/23/98

EPA Method 418.1 (TRPH)					
Lab No.:	Sample ID:	Date Extracted	Results, mg/kg	DLR, mg/kg	DF
25407-001	VETDT1E	04/23/98	88	10	1
25407-002	VETDT1W	04/23/98	48	10	1
25407-003	VETDT1N	04/23/98	81	10	1
25407-004	VETDT1S	04/23/98	500	10	1
25407-005	VETDT1B	04/23/98	220	10	1
25407-006	VETEC7E	04/23/98	46	10	1
25407-007	VETEC7W	04/23/98	37	10	1
25407-008	VETEC7N	04/23/98	ND	10	1
25407-009	VETEC7S	04/23/98	43	10	1
25407-010	VETEC7B	04/23/98	ND	10	1
25407-011	VETSW13E	04/23/98	57	10	1
25407-012	VETSW13W	04/23/98	ND	10	1
25407-013	VETSW13N	04/23/98	99	10	1
25407-014	VETSW13S	04/23/98	ND	10	1
25407-015	VETSW13B	04/23/98	53	10	1
25407-016	VETSW14E	04/23/98	ND	10	1
25407-017	VETSW14W	04/23/98	42	10	1
25407-018	VETSW14N	04/23/98	ND	10	1
25407-019	VETSW14S	04/23/98	61	10	1
25407-020	VETSW14B	04/23/98	105	10	1

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
DF = Dilution Factor

Reviewed/Approved By: _____ for Date: 4-23-98
Cheryl De Los Reyes
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 98

Spike Recovery and RPD Summary Report

Method: 418.1
Analyst: MO
Data File: 8113-1S

Date: 04-23-98
Sample ID: 25407-013
Matrix: SOIL

ANALYTE	UNITS	LCS	LCS Res	% Rec	METH BLANK	SPL CONC	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	REC Limit	RPD	RPD Limit	MDL
TRPH	mg/kg	500	500	100	ND	99	500	585	645	97	109	65-123	12	20	10

Approved by: _____
Cheryl De Los Reyes
Inorganics Supervisor

Date: 4-23-98

Advanced Technology Laboratories

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: _____ Date: 4-22 Time: 1650

Method of Transport: Walk-in ☑ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt:
1. CHILLED Y☐ N☑ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client: SCE
Attn: Zaid Ahmad
Address: 2131 Walnut Grove Ave
City Rosemead State CA Zip Code 91770
TEL: (626) 302-8720
FAX: (626) 302-8747

Project Name: Etiwanda Excavation Project #: Sampler: (Printed Name) Hand Auger (Signature) Duane Kalivan

Relinquished by: (Signature and Printed Name) Ming Chi Date: 4-22-98 Time: 1420 Received by: (Signature and Printed Name) Duane Kalivan Date: 4-22-98 Time: 16:25
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:
Relinquished by: (Signature and Printed Name) Date: Time: Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB:
(SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Ming Chi (Print Name) Date: 4 22 98
(Signature)

Send Report To:
Attn: SCE
Co: Same As Above
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments:
① 24hr RUSH
② Fax Results ASAT to M. Zaid Ahmad

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 608/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS); 8260 (Volatiles-GC/MS); 625/8270 (BNA-GCMS); 8015M TPHG/BTEX(COMBINATION); 8015M TPHD (Diesel-GC); 418.1 (TPH-IR); Metals-Total (CAC-6010/7000)	CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	15407-001	VETDT1E	4/22/98		✓	✓					
	002	VETDT1W			✓	✓					
	003	VETDT1N			✓	✓					
	004	VETDT1S			✓	✓					
	005	VETDT1B			✓	✓					
	006	VETEC7E			✓	✓					
	007	VETEC7W			✓	✓					
	008	VETEC7N			✓	✓					
	009	VETEC7S			✓	✓					
	010	VETEC7B			✓	✓					

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

- TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories
1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: BD Date: 4-22 Time: 1640

Method of Transport: Walk-in ☑ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☐ N☑ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☑ N☐
3. CONTAINER INTACT Y☑ N☐ 6. PRESERVED Y☐ N☑

Client:
Attn: Same as First Page
Address:
City State Zip Code
TEL: ( )
FAX: ( )

Project Name: Project #: Sampler: (Printed Name) (Signature)

Relinquished by: (Signature and Printed Name)	Date :	Time:	Received by: (Signature and Printed Name) Diane Galvan	Date: 4-22-98 Time: 1625
Relinquished by: (Signature and Printed Name)	Date :	Time:	Received by: (Signature and Printed Name)	Date: Time:
Relinquished by: (Signature and Printed Name)	Date :	Time:	Received by: (Signature and Printed Name)	Date: Time:

SHIP TO LAB: (SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Ming Chi Date: 4/22/98
Print Name
Signature

Send Report To:
Attn: _____
Co: _____
Address _____
City _____ State _____ Zip _____

Special Instructions/Comments: Same as 1st Page

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 601/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 608/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS); 8260 (Volatiles-GC/MS); 625/8270 (BNA-GC/MS); 8015M TPHG/BTEX(COMBINATION); 8015M TPH/D (Diesel-GC); 418.1 (TPH-IR); Metals-Total (CAC-6010/7000)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s) #	Container(s) Type	PRESERVATION
	25407-011	VETSW13E	4/22/98					
	012	VETSW13W						
	013	VETSW13N						
	014	VETSW13S						
	015	VETSW13B						
	016	VETSW14E						
	017	VETSW14W						
	018	VETSW14N						
	019	VETSW14S						
	020	VETSW14B						

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

REMARKS

• TAT starts 8 a.m. following day if samples received after 5 p.m.

TAT: A= Overnight ≤ 24 hr B= Emergency Next workday C= Critical 2 Workdays D= Urgent 3 Workdays E= Routine 7 Workdays

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=Zn(AC)$_2$ O=NaOH T=$Na_2S_2O_3$

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

Laboratories

May 4, 1998

ELAP No.: 1838

Southern California Edison
2131 Walnut Grove Ave., Bldg. G03
Rosemead, CA 91770

ATTN: Mr. Zaid Ahmad

Client's Project: Etiwanda GS
Lab No.: 25532-001/002

Gentlemen:

Enclosed are the results for sample(s) received by Advanced Technology Laboratories and tested for the parameters indicated in the enclosed chain of custody.

Thank you for the opportunity to service the needs of your company. Please feel free to call me at (310) 989 - 4045 if I can be of further assistance to your company.

Sincerely,

Edgar P. Caballero
Laboratory Director
EPC/ms

Enclosures

This cover letter is an integral part of this analytical report.

This report pertains only to the samples investigated and does not necessarily apply to other apparently identical or similar materials. This report is submitted for the exclusive use of the client to whom it is addressed. Any reproduction of this report or use of this Laboratory's name for advertising or publicity purpose without authorization is prohibited.

Mailing Address: P.O. Box 9108 Newport Beach, CA 92658
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Client: Southern California Edison
Address: 2131 Walnut Grove Ave., Bldg. G03
Rosemead, CA 91770
Attn: Mr. Zaid Ahmad

Project: Etiwanda GS
Matrix: Soil

Lab No.: See Below
Date Sampled: 04/28/98
Date Received: 04/28/98
Date Analyzed: 05/01/98

EPA Method 418.1 (TRPH)					
Lab No.:	Sample ID:	Date Extracted	Results, mg/kg	DLR, mg/kg	DF
25532-001	VETDT 1B2 @ 7'	05/01/98	39	10	1
25532-002	VETSW 14B2 @ 6'	05/01/98	43	10	1

MDL = Method Detection Limit
ND = Not Detected (Below DLR).
DLR = MDL X Dilution Factor
DF = Dilution Factor

Reviewed/Approved By: _____ Date: 5-4-98
Cheryl De Los Reyes
Department Supervisor

The cover letter is an integral part of this analytical report.

Advanced Technology Laboratories
1510 E. 33rd Street Signal Hill, CA 90807 Tel: 562 989-4045 Fax: 562 989-4040

Method: 418.1
Analyst: MO
Data File: 8121-1S

Date: 05-01-98
Sample ID: 25590-001
Matrix: SOIL

ANALYTE	UNITS	LCS	LCS Res	% Rec	METH BLANK	SPL CONC	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	REC Limit	RPD	RPD Limit
TRPH	mg/kg	500	472	94	ND	58	500	515	530	91	94	65-123	3	20

Approved by: _____
Cheryl De Los Reyes
Inorganics Supervisor

Date: 5-4-98

Advanced Labo

Spike Recovery and RPD Summary Report

Method: 418.1
Analyst: MO
Data File: 8121-1S

Date: 05-01-98
Sample ID: 25590-001
Matrix: SOIL

ANALYTE	UNITS	LCS	LCS Res	% Rec	METH BLANK	SPL CONC	SPK ADDED	MS RESULT	MSD RESULT	%MS REC	%MSD REC	REC Limit	RPD	RPD Limit	MDL
TRPH	mg/kg	500	472	94	ND	58	500	515	530	91	94	65-123	3	20	10

Approved by: _____
Cheryl De Los Reyes
Inorganics Supervisor

Date: 5-4-98

Advanced Technology Laboratories

Advanced Technology Laboratories

1510 E. 33rd Street
Signal Hill, CA 90807
(562) 989-4045 • FAX (562) 989-4040

FOR LABORATORY USE ONLY:

Batch #: _____ D.O. # _____
P.O.#: _____
Logged By: _____ Date: _____ Time: _____

Method of Transport: Walk-in ☐ Courier ☐ UPS ☐ FED. EXP. ☐ ATL ☐

Sample Condition Upon Receipt
1. CHILLED Y☐ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: SCE
Attn: Zaid Ahmad
Address: 2131 Walnut Grove
City Rosemead State CA Zip Code 9
TEL: (626) 302-8720
FAX: (626) 302-8747

Project Name: Etiwanda GS
Project #:
Sampler: (Printed Name) Backhoe
(Signature)

Relinquished by: (Signature and Printed Name) Ming Chi Date: 4-28-98 Time: 10:30 AM
Received by: (Signature and Printed Name) Date: 4/28/98 Time: 10:30
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: 4-28-98 Time: 10:30
Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

SHIP TO LAB:
(SUB CONTRACT) _____
TEST: _____
ATL #: _____
DATE: _____
CLIENT I.D. _____

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Ming Chi Date: 4/28/98
Print Name
Signature

Send Report To:
Attn: Zaid Ahmad
Co: _____
Address Same as above
City _____ State _____ Zip _____

Special Instructions/Comments:
Please analyze in regular rate.

Unless otherwise requested, all samples will be disposed 45 days after receipt.

Sample Archive/Disposal:
☐ Laboratory Standard
☐ Other _____
☐ Return To: _____
* $10.00 FEE PER HAZARDOUS SAMPLE DISPOSAL.

Circle or Add Analysis(es) Requested: 5010/8010 (Halogenated Volatiles-GC); 602/8020/BTEX (Aromatic Volatiles-GC); 608/8080 (Pesticides/PCB-GC); 624/8240 (Volatiles-GC/MS); 8260 (Volatiles-GC/MS); 625/8270 (BNA-GC/MS); 8015M TPH=BTEX(COMBINATION); 8015M TPHD (Diesel-GC); 418.1 (TPH-IR); Metals-Total (CAC-6010/7000)

CIRCLE APPROPRIATE MATRIX: SOLID • SOIL • SLUDGE; OIL • SOLVENT • LIQUID; WATER • WASTEWATER; DRINKING WATER; AIR; WIPE • FILTER; OTHER

PRESERVATION

QA/QC: RTNE ☐ RWQCB ☐ WIP ☐ NAVY ☐ CT ☐ OTHER _____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D.	Date	Time	TAT	Container(s): #	Container(s): Type	REMARKS
	25532-001	VETDT1B2@7'	4/28/98					
	25532-002	VETSW14B2@6'	4/28/98					
	MG 002							

TAT: A= Overnight ≤ 24 hr; B= Emergency Next workday; C= Critical 2 Workdays; D= Urgent 3 Workdays; E= Routine 7 Workdays

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

• TAT starts 8 a.m. following day if samples received after 5 p.m.

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.

APPENDIX B

SOIL REMEDIATION PLAN

MARCH 9, 1998

Etiwanda Generating Station
Soil Remediation Plan

March 9, 1998

PURPOSE

The purpose of this plan is to define and document responsibilities, and procedures necessary to complete the scope of work on schedule, and with in budget, utilizing quality materials and workmanship. The major items of work to be performed by the contractor include, but are not limited to the following.

SCOPE OF WORK

Contractor shall furnish all labor and materials to perform construction at Etiwanda Generating Station, as indicated on associated drawings and specification. All of the contractors employees shall be HAZ-WAP trained.

-Excavate hydrocarbon impacted soil in the areas indicated on the drawings.

-Place the soil in DOT approved lined and covered hazardous waste bins.

-All areas that have been excavated shall be barricaded with white and red caution tape and barricades, sand bagged to divert rain water.

-Edison will arrange for taking of soil samples and getting them analyzed in an approved lab to determine weather all hydrocarbon contaminated soil has been removed. **Contractor to notify the Edison Engineer, Zaid Ahmad, at pax 28720 at least 24 hours in advance.**

-Disposal of all affected soil should be per current applicable regulatory agency guidelines and per verification sampling test results.

-Contractor to provide clean, granular engineered fill, to be placed and compacted in accordance with Southern California Edison standard specifications.

SCHEDULE

- Work is scheduled to commence upon acceptance of this work plan by all involved parties. Work shall be completed by March 31, 1998.

INSPECTION

-Edison shall be responsible for providing all inspection required. They will cover the following operations:

-Soil sampling and analysis.

-Soil compaction.

Etiwanda Generating Station
Soil Remediation Plan

SAFETY

-The contractor shall be responsible for meeting the requirements of all state and local agencies, having jurisdiction over this project. Contractor shall also be responsible for adhering to all site rules and practices as imposed by Edison while performing work within the confines for this facility.

COST ESTIMATE

-See attached cost estimate.

Rene Hernandez
Construction Supervisor

July 5, 2002

Additional Sampling Points
Detection Monitoring Program
Etiwanda Generating Station

The DTSC has required a Detection Monitoring Program be implemented at the Etiwanda Generating Station. The Program was established in the submittal titled "Water Quality Monitoring Program, Etiwanda Generating Station" dated June 2001. The Program included four sampling points to define the nature and extent of any contamination detected.

The four wells described in the Program were installed during the first quarter of 2001. The geologic lithology was not as anticipated. Alternating layers of fine grained, sand was separated by clayey deposits. The measured groundwater gradient from the completed wells shows the gradient to have a larger westward vector than originally perceived. Figure 1 displays the gradient measured on June 17, 2002. Well EW-1 is indeed upgradient of the basins. However, wells EW-2 through EW-4 are only in the shadow of the BCCB. The water level data also indicates that the level in well EW-4 is over ten feet higher than the other wells. It is believed that one of the sand layers must be under artesian pressure. This well cannot be used for gradient measurements.

Figure 1 shows that there is presently no monitoring wells in the downgradient shadow of the North and South Retention Basins. It is proposed that two additional wells be positioned in a downgradient location. The two well positions, EW-5 and EW-6, shown on Figure 1 were coordinated and located by licensed surveyors.

This document is designed as a supplement to the previously approved Workplan. The proposed wells will be installed in accordance with the DTSC approved procedures in the "Monitoring Well Installation Workplan" which is Appendix A of the Water Quality Monitoring Program for the Etiwanda Generating Station.

It is proposed that two wells be installed as shown on Figure 1: EW-5 and EW-6. The proposed design of each well is listed on Table 1. The following design changes are proposed to that presented in the Workplan. The wells will be drilled to 420 feet below the ground surface since the water level is at about 400 feet of depth. The screen section will be 30 feet long rather than the 60 feet described in the Workplan. This will place about 10 feet of screen above the water surface. The slot size will be reduced from 0.02 to 0.01 inch. The appropriate gravel pack for this screen size is Lone Star 2-12.

P. Hamilton

P. Hamilton, CEG# 998
Engineering Geologist
2715 Altamira Circle
West Covina, CA 91792

Location of Proposed Monitoring Wells with Groundwater Gradient -- 6/17/02 Etiwanda Generating Station

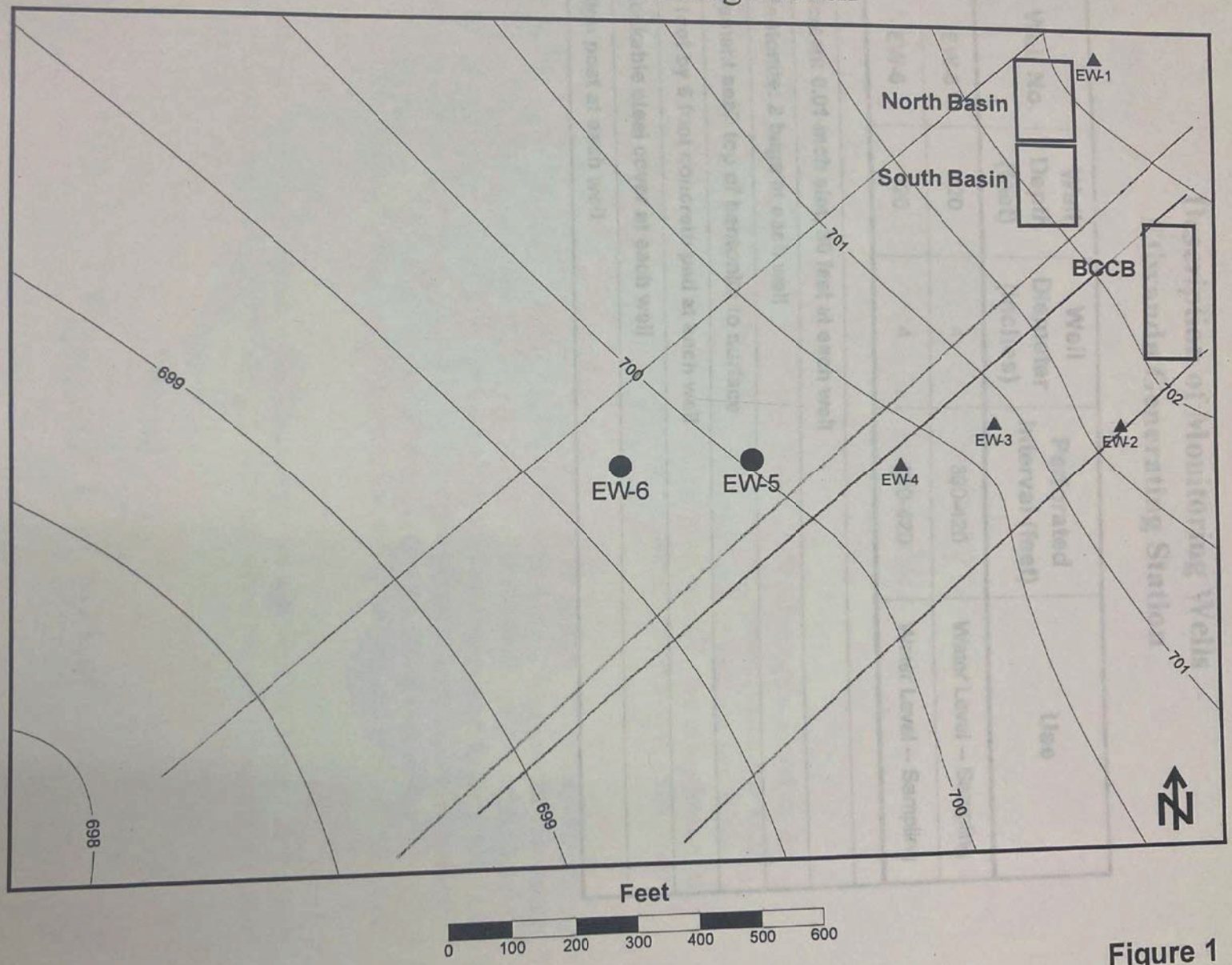

Figure 1

● Proposed Well Location

▲ Existing Monitoring Well

Description of Monitoring Wells
Etiwanda Generating Station

Well No.	Well Depth (feet)	Well Diameter (inches)	Perforated Interval (feet)	Use
EW-5	420	4	390-420	Water Level -- Sampling
EW-6	420	4	390-420	Water Level -- Sampling
Screen: 0.01-inch slot, 30 feet at each well				
Bentonite: 2 bags at each well				
Cement seal: top of bentonite to surface				
6 foot by 6 foot concrete pad at each well				
Lockable steel cover at each well				
Sign post at each well				

Department of Toxic Substances Control

Edwin F. Lowry, Director
5796 Corporate Avenue
Cypress, California 90630

Winston H. Hickox
Secretary for
Environmental
Protection

Gray Davis
Governor

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
SOUTHERN CALIFORNIA REGION
FEB 15 2001
RECEIVED

MEMORANDUM

To: Adela Weinstein
Hazardous Substances Scientist
Southern California Permitting Branch

From: Thomas M. Seckington, R.G. TS.
Hazardous Substances Engineering Geologist
Geological Services Unit
Geology and Corrective Action Branch

Concur: Alfredo Zanoria, C.E.G.
Unit Chief, Geological Services Unit
Geology and Corrective Action Branch

Date: February 13, 2001

Subject: CLOSURE DEMONSTRATION REPORT
SOUTHERN CALIFORNIA EDISON,
ETIWANDA GENERATING STATION
8996 ETIWANDA AVENUE, RANCHO CUCAMONGA

PCA: 24010 Site Code: 400437 WP: 50 MPC: 43

INTRODUCTION:

As requested, the Geological Services Unit (GSU) of the Department of Toxic Substances Control (DTSC) reviewed the document entitled "*Closure Demonstration Report, Etiwanda Generating Station, Rancho Cucamonga, California", Southern California Edison* (Report), dated January 25, 1999. The Report was submitted in response to a Consent Agreement with the DTSC (BC 121219) issued by the Los Angeles County Superior Court.

The Report presents an evaluation of the data collected from the site to date. The previous investigations conducted at the site included a Hydrogeologic Assessment Report conducted in 1985, an Initial Leak Detection Investigation conducted in 1996, and a Phase II Leak Detection Investigation conducted in 1998. The purpose of this

Report is to provide documentation concerning any releases from the surface impoundment, and to evaluate the potential risk to human health and the environment. The Report presents the following items:

- a description of the facility environmental setting, past operations, the nature of the wastes discharged into the surface impoundments, the physical characteristics of the surface impoundments, and the Constituents of Concern (COCs);
- an evaluation of results from previous investigations to determine whether contamination had occurred from the surface impoundments;
- a discussion of the nature and extent of any identified contamination including a statistical analysis of the metals data;
- a Risk Assessment which summarizes applicable criteria and standards for protection of human health; and
- recommendations for further investigation, corrective action and/or closure, as appropriate.

The Report was reviewed to determine whether the data collected to date was adequate to assess if the regulated surface impoundments released COCs and if the releases pose a potential threat to human health and the environment.

SUMMARY:

The data presented in the Report indicates that a release has occurred from the North and South surface impoundments. The extent of the releases, however, is not fully assessed and additional sampling will be necessary to accurately assess the potential threat to groundwater. This issue and other specific items in the Report that raise questions and need greater clarification are addressed in the comments section below.

GENERAL COMMENTS

1. The data collected from the Initial Leak Detection Investigation and the Phase II Leak Detection Investigation indicate that the North and South Surface impoundments have leaked. These are:

   - the presence of water below the HDPE liner at boring location E-17 in addition to the discolored and wet soil below the gunite liner;
   - the presence of metals concentrations in soil above background levels; and
   - the low pH readings detected in the soil samples below the surface impoundments.

2. The concentration ranges presented in *Background Concentrations of Trace and Major Elements in California Soils* by Bradford and Others and *Elements in North American Soils* by Drajun and Chiasson are too broad to determine meaningful background levels at a specific location. Site specific background concentrations must be established to determine if a release has occurred.

3. The extent of metal concentrations above background concentrations has not been fully assessed. Metals data collected during the Initial Leak Detection Investigation and the Phase II Leak Detection Investigation were quantitatively compared against background levels calculated by DTSC and against the background concentrations presented in the Report. The data was also evaluated qualitatively for general trends such as attenuation with depth. Based on this evaluation, additional soil sampling should be conducted to fully assess the extent of the elevated concentrations in the areas indicated in the **Specific Comments** section below.

4. The data collected from the soil samples analyzed for Volatile Organic Compounds (VOCs) may be unreliable and not representative for the following reasons:

   - Initially, only TCE concentrations were reported for soil samples collected during the Initial Leak Detection Investigation. The concentrations of the other analytes were quantified later from the original EPA Method 8260 test runs at the request of the DTSC. However, the laboratory had indicated that since quality assurance protocol was not performed immediately after the tests were run, the values reported may not be valid.
   - During the Phase II Leak Detection Investigation, drilling was conducted using air-rotary drilling techniques. In general, air rotary drilling methods are incompatible with soil sampling for VOCs due to the high-pressure injection of air. As a result, the analytical results for these soil samples may not be representative of the soil conditions below the basins.

5. A groundwater monitoring program may be necessary at the site under the following conditions:

   - The vertical extent of the elevated concentrations of nickel and cobalt cannot be determined.
   - Reliable VOC data cannot be collected from the soil beneath the surface impoundments.
   - The source of the elevated mercury concentrations (at concentrations

8,000 times the maximum contaminant level) and other metals detected in the west well during the HAR cannot be determined.

- The hydrogeologic conditions (i.e. the presence of perched water zones) between 100 feet bgs and 400 feet bgs cannot be determined using available well logs from the onsite wells or cannot be determined conclusively through geophysical logging of the wells.

SPECIFIC COMMENTS

1) **2.3 Geology/Hydrogeology**

Figure 2-2

For boring locations projected onto a cross-section line, the distance of the projection should be indicated on the cross-section for clarity.

2) **3.1.1 Investigation of Potential Releases**

Page 3-2, Paragraph 1

In the discussion of the water that was present below the South surface impoundment at E-17, there should be mention of the significance of the wet and discolored soil found below the gunite liner at this location.

3) **3.2.1.3 Summary of North Retention Basin Results**

Page 3-5 Paragraphs 1 and 2

The nickel and cobalt concentrations in borings E-20 and E-29 exceeded the background levels presented in Table 4.2. Although diminishing concentrations with depth can be seen in E-29, data for both nickel and cobalt in boring E-20 does not indicate that concentrations are attenuating with depth. Additional assessment is necessary in this area.

Page 3-6, Paragraph 3

An additional assessment is necessary to determine the vertical extent of the elevated concentrations of nickel and cobalt detected in boring E-20

4) **3.2.2.3 Summary of South Basin Results**

Page 3-8, Paragraph 2

The lateral extent of the elevated concentrations of nickel found in boring E-17 is sufficiently controlled by borings E-15, E-18, and E1, however nickel concentrations in all soil samples collected from boring E-17 exceeded background concentrations presented in Table 4.2. In addition, there is no discernible trend indicating that these concentrations are attenuating with depth. The low pH values of the soil at the base of the boring E-17 also indicate that the

vertical extent is not defined. Therefore the statement that "*the elevated concentrations of nickel in this area are of very limited extent*" has not been demonstrated. Additional assessment is needed to determine the vertical extent of the elevated nickel concentrations detected in boring E-17.

5) Page 3-8, Paragraph 3
Elevated concentrations of cobalt exceeding the background concentrations (Table 4-2) are present in the soil sample collected at the base of boring E-7 (five feet bgs). The concentrations increased nearly one-order of magnitude between the soil sample collected at one-foot and the soil sample collected at five-feet. The vertical extent of the cobalt concentrations at this location needs further assessment.

6) **3.3 Hydrogeologic Assessment Borings**
Page 3-12, Paragraph 3
The determination of natural background levels is essential for the evaluation of the metal concentrations present in the soil samples and determining if corrective action is necessary. If the data presented in the HAR is insufficient or not representative, as implied, then additional background soil samples should be collected. It is however, GSU's option that the data presented in the HAR is sufficient. For the analytes where the HAR detection limit was higher than the LDI report, the HAR detection limit could be used as a background level to compare against.

7) Page 4-3. Paragraph 1, Line 5

Background concentrations were evaluated for metals and not for volatile constituents, therefore the compositing process would not have resulted in a significant loss of metals.

8) Page 4-3, Paragraph 3

Additional soil sampling to establish more accurate background levels would alleviate the issue of a small standard deviation and potentially skewed background data.

9) **4.2 North Retention Basin**
Page 4-8, Paragraph 1, Line 10

The statement, "*no significant vertical or horizontal migration of nickel has occurred*" has not been demonstrated. The concentrations, with increasing depth, are 101 mg/kg, 419 mg/kg, and 105 mg/kg below boring E-20. All concentrations are one order of magnitude above background and there is no clear trend that the concentrations are diminishing. Additional soil sampling is needed to delineate the vertical extent of the elevated concentrations of nickel at boring E-20.

10) **4.3 South Retention Basin**
Page 4-11, Paragraph 2, Line 3

The HAR detection limit for Antimony is 0.15 mg/kg not 0.16 mg/kg as reported.

11) Page 4-11, Paragraph 2, Line 9

"During the Phase II LDI, the only detection of antimony occurred at a depth of 38 feet bgs at a concentration of 1.5 mg/kg."

According to Table 12, the only detection of antimony was 1.49 mg/kg in the soil sample collected from boring E2 at 50 feet bgs. Reconcile this inconsistency.

13) Page 4-13, Paragraph 1, Line 7

Since the concentrations of cobalt increase from 6.12 mg/kg to 58.6 mg/kg in boring E-7 (the background concentration as presented in Table 4-2 is 7.7 mg/kg), additional assessment is required to assess to the vertical extent of these elevated concentrations.

14) Page 4-15, Paragraph 1, Line 3

Additional assessment is required at E-17 to assess the extent of the elevated nickel concentrations.

15) Page 4-15, Paragraph 1, Line 6

"However, the only significant exceedance of background reported during the Phase II LDI occurred in boring E2 at a depth of 61 feet bgs where nickel was detected at 41.1 mg/kg, however, the samples collected from immediately above

and below this sample did not contain nickel concentrations above background."

Due to the angle of the boring E2 (40 degrees from vertical), the soil sample collected 5 feet above (or below) would have been offset approximately 3.3 feet laterally. In coarse-grained sediment, such as those at the site, contaminants migrate vertically in narrow pathways with little lateral dispersion. Since these concentrations exceed background concentrations by a factor of four and a soil sample was not collected directly above or below it, additional assessment is warranted.

16) Page 4-17, Paragraph 2, Line 8

"These results indicate that the vertical and horizontal extent of any potential impact due to the release of acidic wastewater from the south retention basin appears to be quite limited."

The deepest soil sample (5 feet bgs) collected from E-17 had a pH reading of 4.5. Therefore, the vertical extent is not defined and additional assessment should be conducted.

17) **4.5 Potential for Migration of Metals Detected in Soil beneath the Basins**
Page 4-23, Paragraph 2, Line 1

"As discussed in Section 2, the depth to ground water beneath the EGS is approximately 400 feet bgs and the nearest water supply well is located over 800 feet from the basins."

The site has only been assessed to a depth of 100 feet bgs and the presence or absence of perched groundwater below 100 feet bgs has not been assessed. In addition, the E well is located approximately 225 feet south southwest of the BCCB. It was noted in the Report that this well along with the other two-onsite wells is used for potable and non-potable uses.

18) **6.1 Potential for Migration of Constituents Detected in Soil at Etiwanda Generating Station**

The potential for migration to ground water of constituents detected in the soil at EGS is low due to the following:

- *the extreme depth (i.e. greater than 400 feet bgs) to ground water at EGS,*
- *the lack of perched ground water at EGS,*

The Initial Leak Detection Investigation report dated 1996 states that the well logs for the three-onsite wells were reviewed and no perched water was indicated on them. Additional information is needed from the well logs (i.e. drilling method and soil logging methods) to determine if a perched water zone could have been identified under the conditions drilled. Without this information, the hydrogeologic conditions between 100 feet and 400 feet cannot be determined. In addition, copies of these well logs must be submitted to DTSC for evaluation.

- *the expected immobilization of constituents due to adsorption to soil particles,*

Further assessment of the vertical extent of the metals concentrations above background needs to be conducted at indicated locations. In addition, leachability tests should be conducted on selected soil samples to determine the amount of constituents that remain potentially mobile.

- *the fact that VOCs were not detected in soil at depths greater than 5 feet beneath the bottom of the basins and,*

More reliable VOC data should be collected to confirm that no concentrations are present below 5 feet.

- *the fact that elevated concentrations of metals such as nickel were not detected in deeper, Phase II borings.*

Nickel concentrations approximately four times greater than the background concentrations were detected in E2 at 80 feet.

SUMMARY/CONCLUSIONS:

Based on the data presented in this Report, the North and South surface impoundments appear to have leaked. The following areas need additional assessment:

South Basin

- The area of boring E-7 due to the elevated cobalt concentrations detected at the base of the boring.
- The area of boring E-17 due to the elevated concentrations of nickel

detected and the low pH values.

- Below the 80-foot soil sample collected from boring E2 due to the elevated nickel concentrations.

North Basin

- The area of boring E-20 due to the elevated nickel and cobalt concentrations detected at the base of the boring.

Volatile Organic Compounds

Reliable data needs to be collected from the soil beneath the each of the basins to determine the risk to the underlying groundwater. If reliable soil samples cannot be collected, then the installation of upgradient and downgradient monitoring wells may be necessary to monitor for potential migration to the underlying ground water.

Groundwater Monitoring Program

A ground-water monitoring program will be necessary at the site under any of the following conditions:

- the vertical extent of the elevated concentrations of nickel and cobalt cannot be determined;
- reliable VOC data cannot be collected from the soil around the surface impoundments;
- the source of the elevated mercury concentrations (at concentrations 8,000 times of maximum contaminant level) and other metals detected in the west well during the HAR cannot de determined; or
- the hydrogeologic conditions (i.e. the presence of perched water zones) between 100 feet bgs and 400 feet bgs cannot determine using available well logs from the onsite wells or cannot be determine conclusively through geophysical logging of the wells.

The GSU recommends that three vertical borings be placed within the retention basin near soil borings E-7, E-17, and E-20 to further assess the vertical extent of elevated metals concentrations. One additional soil boring should be placed directly above the soil sample collected at 80-feet bgs from boring E2. In addition to analyzing the soil samples for metals and pH, soil samples should be collected in accordance with U.S. EPA SW-846 Update III, Method 5035 and analyzed for volatile organic compounds (VOCs) using EPA method 8260. Soil sampling should continue at each location until metals concentrations and pH values are within background levels and VOC concentrations are below

detection limits. In addition, the soil boring drilled to assess the elevated concentrations in the soil sample collected from boring E2 should be drilled to a minimum depth of 200-feet below ground surface.

If groundwater is encountered within 200-feet of ground surface, SCE will be required to install a detection monitoring system in accordance with California Code of Regulations Title 22 (22 CCR), Division 20, Chapter 14, Article 6. If ground water is not encountered, SCE must conduct appropriate fate and transport modeling to demonstrate that ground water will not be impacted. The assumed depth to ground water would be 200-feet unless SCE can adequately demonstrate, as cited above, that ground water is deeper. If fate and transport modeling does not adequately demonstrate that ground water will not be impacted or indicates that ground water could be impacted, then SCE will be required to install a detection monitoring system.

cc. Alfredo Zanoria
Adela Weinstein
File

Department of Toxic Substances Control

Edwin F. Lowry, Director
5796 Corporate Avenue
Cypress, California 90630

Winston H. Hickox
Agency Secretary
California Environmental
Protection Agency

Gray Davis
Governor

September 20, 2002

Ms. Kathy C. Stevens
Air Quality Specialist, CEQA
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, California 91765

NEGATIVE DECLARATION FOR THE RELIANT ENERGY - SELECTIVE CATALYTIC REDUCTION (SCR) INSTALLATION PROJECT - (SCH # 2001021027)

Dear Ms. Stevens:

The Department of Toxic Substances Control (DTSC) has received your Negative Declaration (ND) for the above-mentioned Project.

Based on the review of the document, DTSC's comments are as follows:

1) The ND needs to identify and determine whether current or historic uses have resulted in any release of hazardous wastes/substances at the site.

2) The ND needs to identify any known or potentially contaminated site within the proposed Project area. For all identified sites, the ND needs to evaluate whether conditions at the site pose a threat to human health or the environment.

3) The ND should identify the mechanism to initiate any required investigation and/or remediation for any site that may require remediation, and the government agency to provide appropriate regulatory oversight.

4) An environmental assessment should be conducted in the project area to evaluate whether the project area is contaminated with hazardous substances from the potential past and current uses including storage, transport, generation, and disposal of toxic and hazardous waste/materials. Potential hazard to the public or the environment through routine transportation, use, disposal or release of hazardous materials should be discussed in the ND.

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at www.dtsc.ca.gov.

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5) A hazardous impact to the public maybe associated with future handling and storage of hazardous materials at the site. Remember to obtain a hazardous material's storage permit from an appropriate regulatory agency that has jurisdiction to regulate hazardous substances handling, storage, treatment, and/or disposal. Contact the Certified Unified Program Agency (CUPA) to evaluate the permit requirements.

6) The project construction may require soil excavation and soil filling in certain areas. Appropriate sampling is required prior to disposal of the excavated soil. If the soil is contaminated, properly dispose the soil rather than placing it in another location. Land Disposal Restrictions (LDRs) may be applicable to these soils. Also, if the project is planning to import soil for backfilling the areas excavated, proper sampling should be conducted to make sure that the imported soil is free of contamination.

7) Any hazardous wastes/materials encountered during construction should be remediated in accordance with local, state, and federal regulations. Prior to initiating any construction activities, an environmental assessment should be conducted to determine if a release of hazardous wastes/substances exists at the site. If so, further studies should be carried out to delineate the nature and extent of the contamination. Also, it is necessary to estimate the potential threat to public health and/or the environment posed by the site. It may be necessary to determine if an expedited response action is required to reduce existing or potential threats to public health or the environment. If no immediate threat exists, the final remedy should be implemented in compliance with state regulations and policies rather than excavation of soil prior to any assessments.

8) If during construction of the project, soil and/or groundwater contamination is suspected, construction in the area should cease and appropriate Health and Safety procedures should be implemented. If it is determined that contaminated soil and/or groundwater exist, the ND should identify how any required investigation and/or remediation will be conducted, and the government agency to provide appropriate regulatory oversight.

DTSC provides guidance for the Preliminary Endangerment Assessment (PEA) preparation and cleanup oversight through the Voluntary Cleanup Program (VCP). For additional information on the VCP, please visit DTSC's web site at www.dtsc.ca.gov.

If you have any questions regarding this letter, please contact Ms. Rania A. Zabaneh, Project Manager at (714) 484-5479.

Sincerely,

Haissam Y. Salloum, P.E.
Unit Chief
Southern California Cleanup Operations Branch
Cypress Office

cc: Governor's Office of Planning and Research
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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

DRAFT NEGATIVE DECLARATION FOR RELIANT ENERGY ETIWANDA GENERATING STATION SELECTIVE CATALYTIC REDUCTION (SCR) INSTALLATION PROJECT (UNITS 1 & 2)

August 2002

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Barry R. Wallerstein, D. Env.

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Planning, Rule Development and Area Sources
Elaine Chang, DrPH

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EXECUTIVE OFFICER

BARRY R WALLERSTEIN, D Env

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Appendix A – Tier 4 Health Risk Assessment

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

DRAFT NEGATIVE DECLARATION FOR RELIANT ENERGY ETIWANDA GENERATING STATION SELECTIVE CATALYTIC REDUCTION (SCR) INSTALLATION PROJECT (UNITS 1 & 2)

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1.1 REGULATORY BACKGROUND

The SCAQMD's Regulation XX – Regional Clean Air Incentives Market (RECLAIM), adopted in 1993, is a cap and trade program designed to reduce oxide of nitrogen (NO_x) and sulfur dioxides (SO_x) emissions from stationary sources in the South Coast Air Basin (Basin) The goals of RECLAIM are to give affected facilities added flexibility in meeting their emission reduction requirements, to lower the cost of compliance, and to assist the SCAQMD's efforts to attain and maintain state and federal ambient air quality standards with a margin of safety. Under the RECLAIM program each facility has an initial emissions allocation that declines annually. Facilities comply with RECLAIM by installing control equipment that limits their annual NO_x or SO_x emissions to below or at their annual allocations, or purchase additional RECLAIM Trading Credits (RTCs) to account for any exceedances above their annual allocations.

Reliant Energy Etiwanda, LLC (Reliant) is proposing to install Selective Catalytic Reduction (SCR) systems on existing Boiler Units 1 and 2 at the Etiwanda Generating Station SCR will be used to reduce NO_x emissions as part of their plan to meet the declining facility-wide NO_x emission limits required by RECLAIM and to meet the command and control objectives of Rule 2009 Rule 2009 (b)(2) requires the power-producing facility to achieve BARCT emission levels for NO_x no later than January 1, 2004. The proposed project complies with this requirement It is envisioned that the proposed project, consistent with the intent of RECLAIM, will achieve an overall reduction in NO_x emissions from this facility. For a complete description of the proposed project and the anticipated activities, please refer to the Project Description below.

1.2 AGENCY AUTHORITY

The California Environmental Quality Act (CEQA) applies to "projects" proposed to be undertaken or requiring approval by state and local government agencies. The proposed installation of the SCR System at the Etiwanda Generating Station constitutes a "project" as defined by CEQA. However, where a project requires approvals from more than one public agency, CEQA requires one of these public agencies to serve as the "lead agency"

The lead agency is the public agency that has the principal responsibility for carrying out or approving a project that may have a significant effect upon the environment (Public Resources Code § 21067) Since the SCAQMD has primary discretionary approval authority over the proposed project, it was determined that the SCAQMD would be the most appropriate public agency to act as lead agency (CEQA Guidelines § 15051(b))

To fulfill the purpose and intent of CEQA, the SCAQMD has prepared this Draft Negative Declaration (ND) to address the potential environmental impacts associated with the Reliant Energy Etiwanda Generating Station SCR Installation Project (Units 1 and 2) A ND for a

project subject to CEQA is prepared when an analysis of the project does not identify potentially significant effects (CEQA Guidelines 15070(a)).

All comments received during the 20-day public review period on the analyses presented in the Draft ND will be responded to and included in the Final ND.

1.3 PROJECT LOCATION

The proposed project would be constructed at the Reliant Energy Etiwanda Generating Station The Etiwanda Generating Station facility is located at 8996 Etiwanda Avenue in Rancho Cucamonga, California just east of Interstate 15 and north of the San Bernardino Freeway, Interstate 10 (See Figure 1 - Regional Location Map, and Figure 2 – Project Location Map)

The Etiwanda Generating Station is bounded by the Santa Fe railroad to the north, Etiwanda Avenue to the east, undeveloped land and 6th Avenue to the south, and undeveloped land and the Ontario freeway (Interstate 15) to the west. Within the City of Rancho Cucamonga there are residential areas, a power generation station (Reliant Energy Etiwanda Generating Station), and general and heavy industry. The nearest residence is a single-family home located at 8768 Etiwanda Avenue, approximately one-quarter mile north of the proposed project.

The population of Rancho Cucamonga is approximately 127,700 and is distributed throughout 37 7 square miles. The terrain is generally flat. The City of San Bernardino is approximately eight miles to the east The Etiwanda Generating Station occupies about 64 acres and is surrounded by industrial land uses Specific land uses surrounding the facility are shown in Figure 3 – Project Area Land Uses

1.4 EXISTING GENERATING STATION CONFIGURATION AND OPERATION

The Etiwanda Generating Station receives pipeline grade natural gas from Southern California Gas Company to generate electricity. There are four utility boilers (Units 1 through 4) and one peaking turbine (Unit 5), all of which are in service All five units run on the pipeline grade natural gas received from Southern California Gas Company. Units 1 and 2 began operating in 1953 and are nominally rated at 132 Megawatts (MW) (maximum)/10 MW (minimum). Units No. 3 and 4 began operating in 1963 and are nominally rated at 320 MW (maximum)/20 MW (minimum). Unit 5 is nominally rated at 126 MW (continuous). With all units in operation, the station has a maximum summer dependable output of 1,030 MW and a maximum winter dependable output of 1,046 MW. The Etiwanda Generating Station Site Plan is shown in Figure 4.

1.5 PROJECT DESCRIPTION

As part of the combustion process, NO_x is produced and emitted to the atmosphere with the other flue gas exhaust constituents (mostly nitrogen, carbon dioxide, and water vapor). SCR is an air pollution control technology that uses a reducing agent (ammonia) to reduce NO_x to nitrogen and

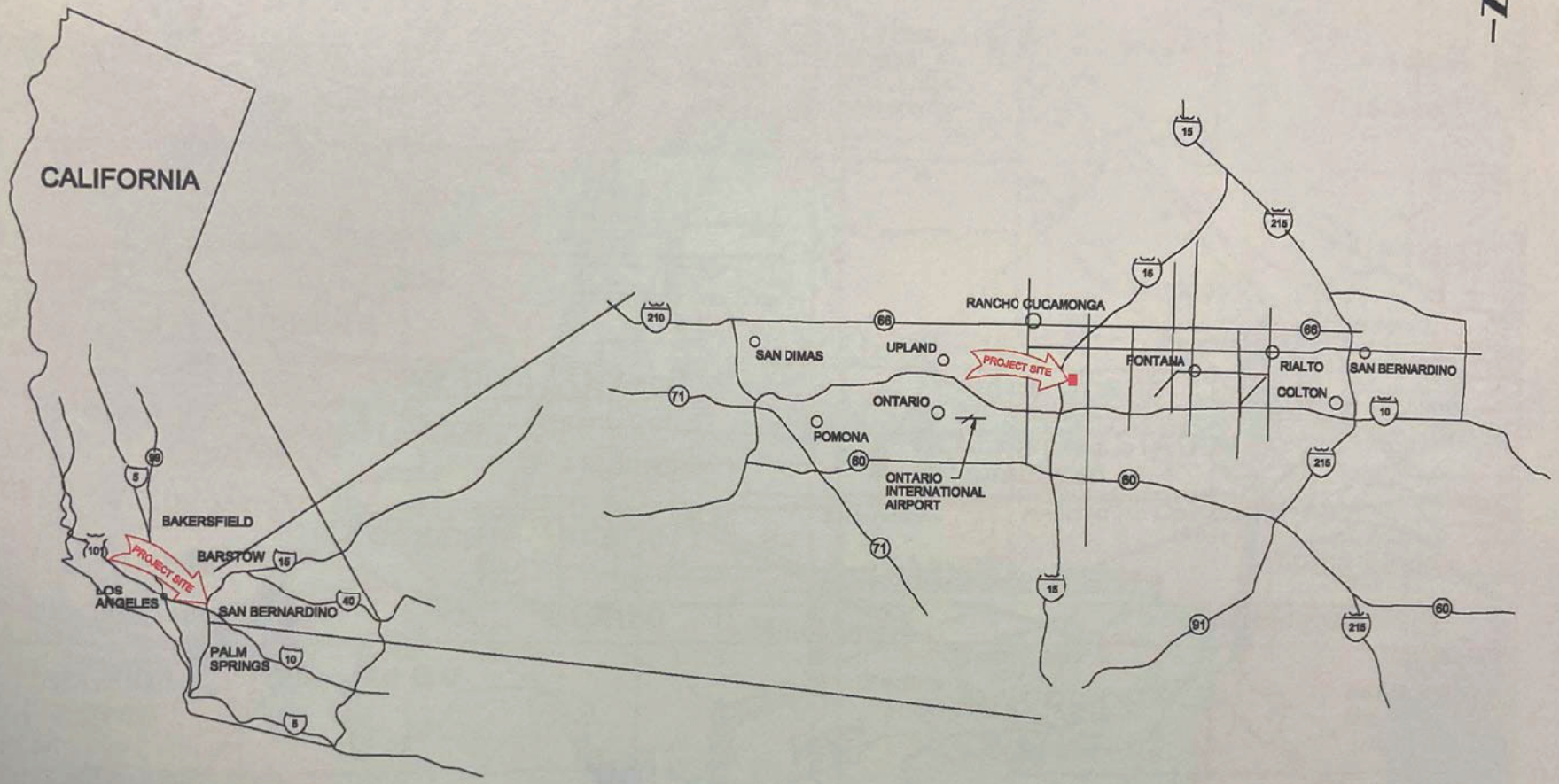


Figure 1
Regional Map
Reliant Energy, LLC

ENTRIX

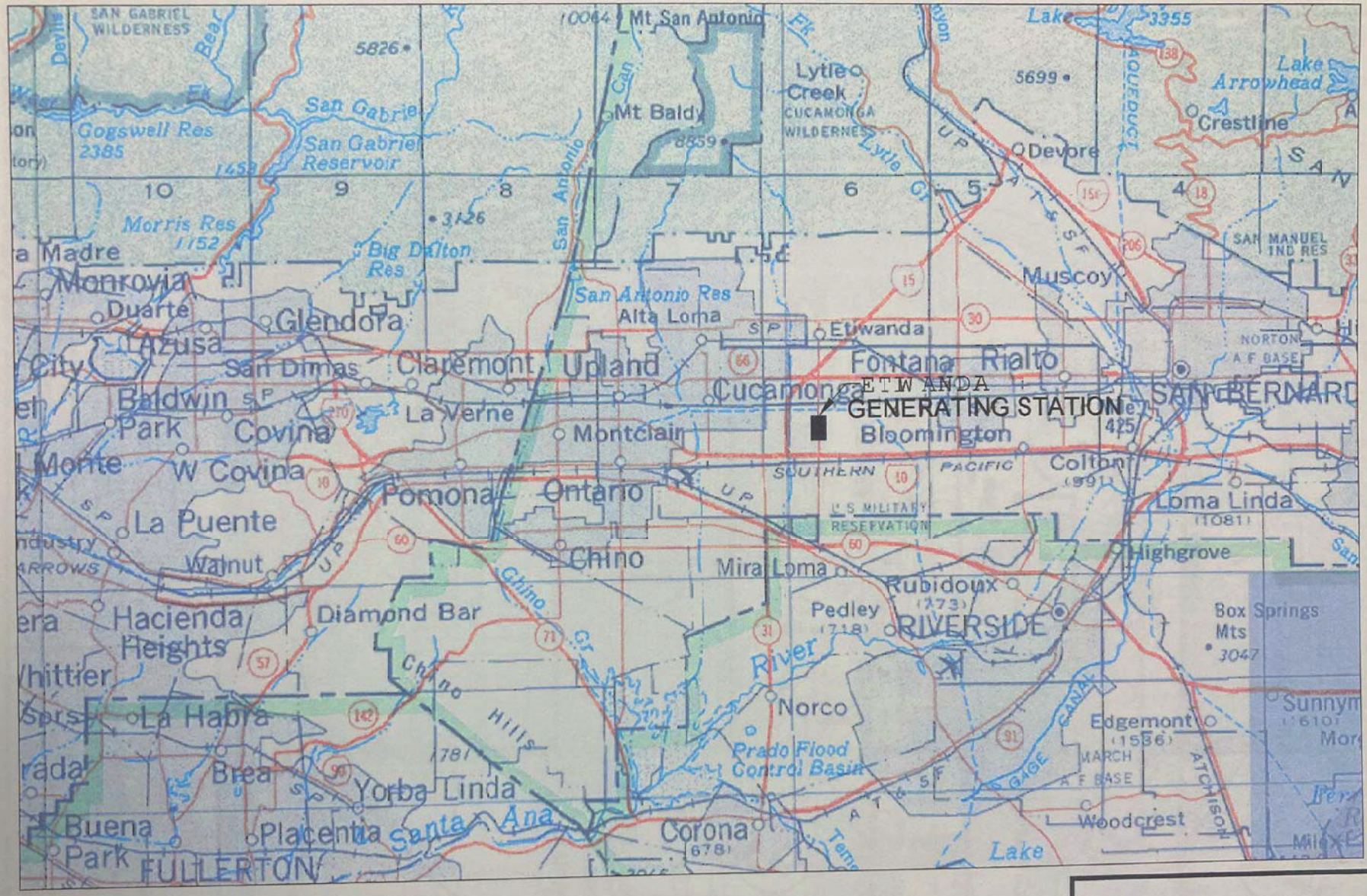
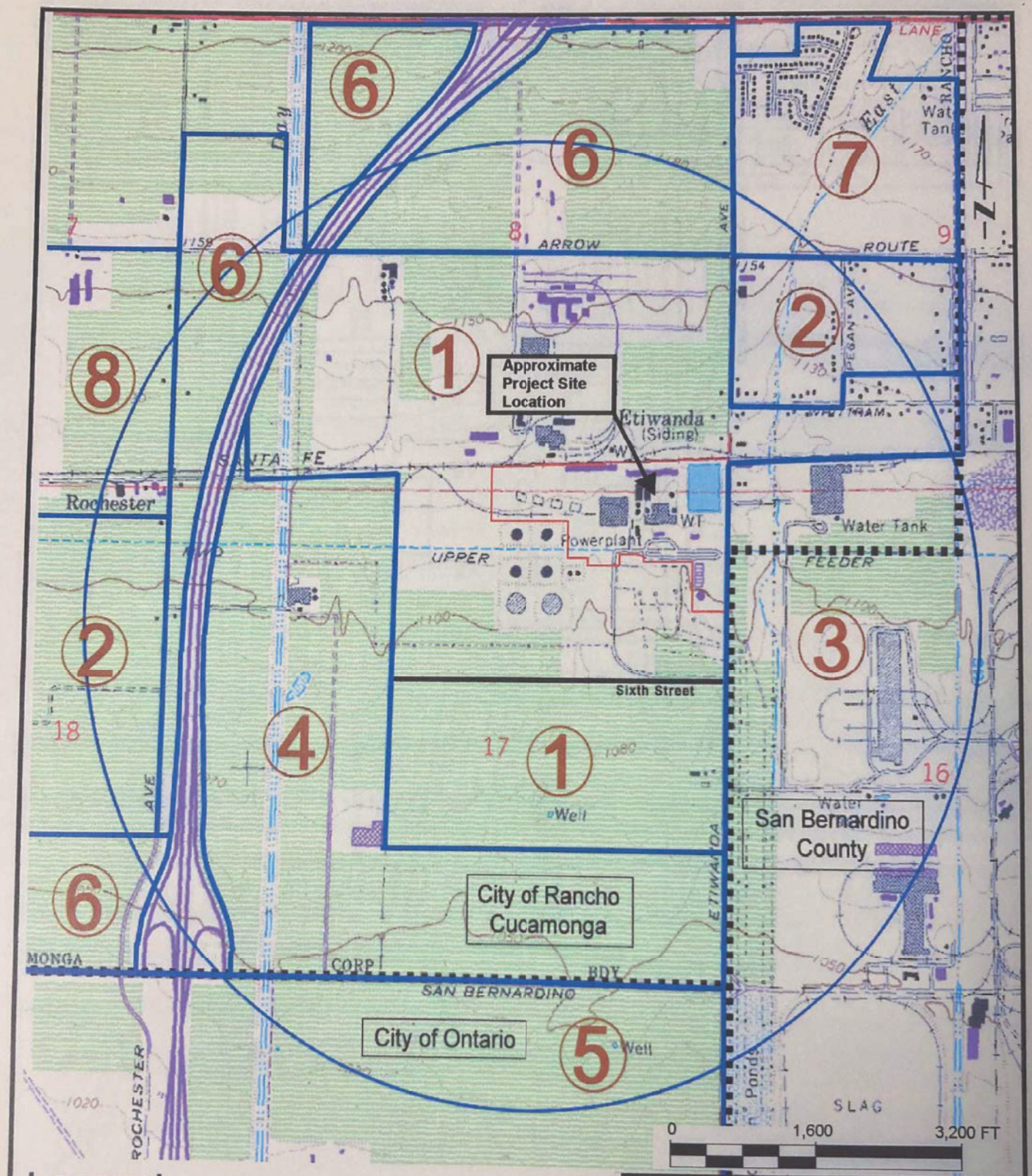


Figure 2
Project Location Map
Reliant Energy, LLC

ENTRIX



Legend

- Etiwanda Generating Station boundary
- Local agency boundary
- Land use boundary
- One-mile radius from Project

1. Heavy Industrial Zone: Etiwanda Generating Station, project site, industrial facilities, and residences
2. General Industrial Zone: industrial and commercial facilities and residences
3. Mixed County Zones: Kaiser Commerce Center Specific Plan, planned development, industrial and residential with related developments
4. General Industrial Zone: undeveloped land, industrial facilities, and county detention center
5. City of Ontario undeveloped light industrial zone
6. Industrial and Commercial Zones with related developments
7. Residential Zone: single family homes and multi-unit apartment communities
8. Minimum Impact Heavy Industrial Zone: industrial facilities and related developments

Figure 3
Project Area Land Uses
Reliant Energy, LLC

ENTRIX

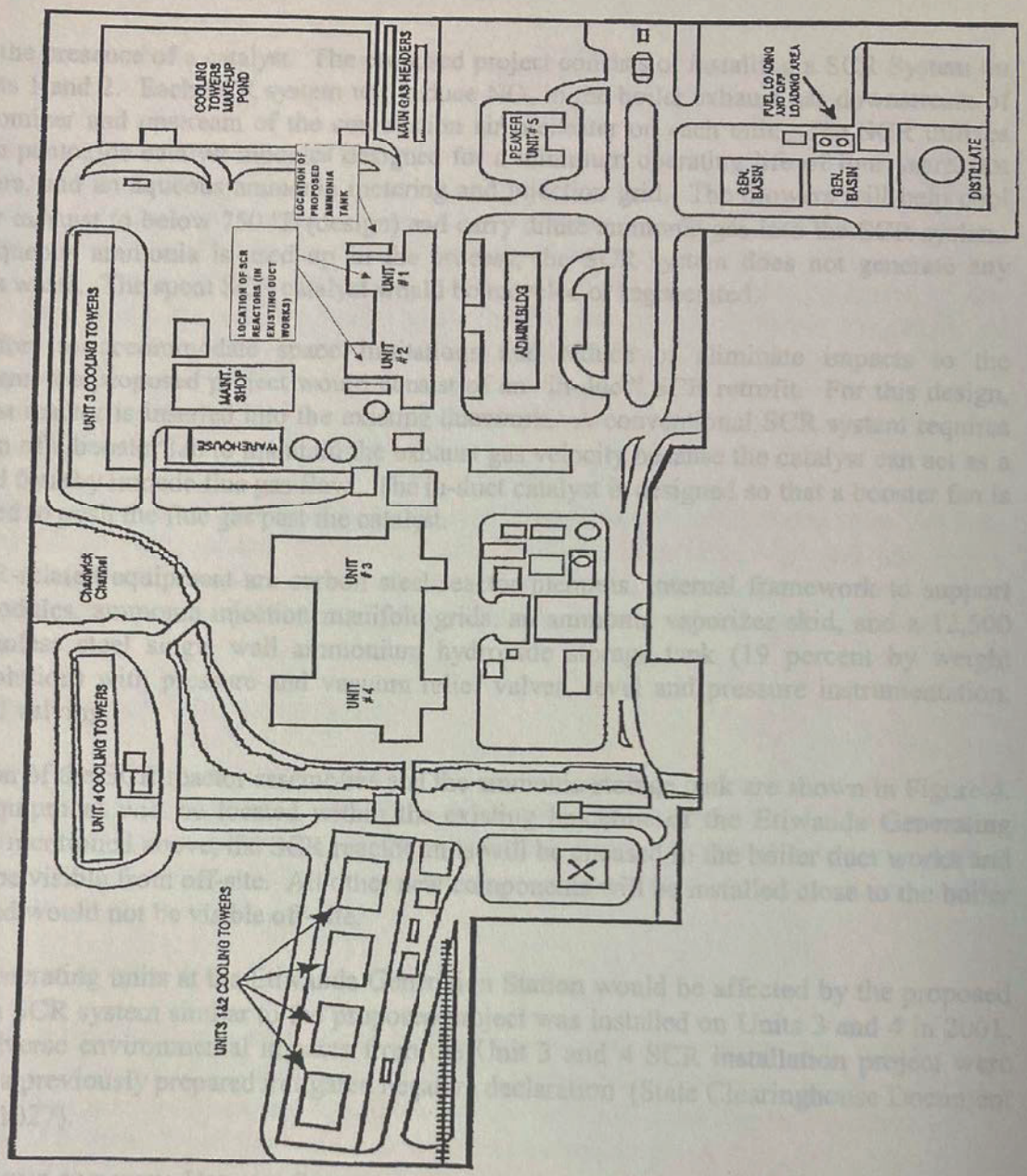


Figure 4. Etiwanda Generating Station Site Map

water in the presence of a catalyst. The proposed project consists of installing a SCR System on both Units 1 and 2. Each SCR system will reduce NO_x in the boiler exhaust gas downstream of the economizer and upstream of the combustion air preheater on each unit. The SCR utilizes vanadium pentoxide catalyst modules designed for a minimum operating life of four years, hot air blowers, and an aqueous ammonia metering and injection grid. The blowers will help cool the boiler exhaust to below 750 °F (design) and carry dilute ammonia gas into the SCR system. As the aqueous ammonia is used up in the process, the SCR system does not generate any hazardous waste. The spent SCR catalyst would be recycled or regenerated.

In an effort to accommodate space limitations and reduce or eliminate impacts to the environment, the proposed project would consist of an "in-duct" SCR retrofit. For this design, the catalyst reactor is inserted into the existing ductwork. A conventional SCR system requires installation of a booster fan to maintain the exhaust gas velocity because the catalyst can act as a barrier and thereby impede flue gas flow. The in-duct catalyst is designed so that a booster fan is not required to push the flue gas past the catalyst.

Other SCR-related equipment are carbon steel reactor plenums, internal framework to support catalyst modules, ammonia injection manifold grids, an ammonia vaporizer skid, and a 12,500 gallon stainless steel single wall ammonium hydroxide storage tank (19 percent by weight NH_4OH solution) with pressure and vacuum relief valves, level and pressure instrumentation, pumps, and valving.

The location of the SCR reactor assemblies and the ammonia storage tank are shown in Figure 4. All new equipment will be located within the existing fenceline of the Etiwanda Generating Station. As mentioned above, the SCR reactor units will be encased in the boiler duct works and would not be visible from off-site. All other new components will be installed close to the boiler structure and would not be visible off-site.

No other generating units at the Etiwanda Generation Station would be affected by the proposed project. An SCR system similar to the proposed project was installed on Units 3 and 4 in 2001. Potential adverse environmental impacts from the Unit 3 and 4 SCR installation project were analyzed in a previously prepared mitigated negative declaration (State Clearinghouse Document No. 2001021027).

1.5.1 Aqueous Ammonia Use and Storage

Aqueous ammonia needed for the SCR system will be stored adjacent to the units in a single new 12,500 gallon aboveground stainless-steel tank sized for two weeks unit operating time and shared by both SCR systems. The 19 percent concentration ammonium hydroxide (NH_4OH) solution will be pumped into the vaporizer on the ammonia injection skid to liberate gaseous ammonia (NH_3) and water vapor (H_2O). Heated dilution air will be supplied to the vaporizer from air blowers and mixed with the ammonia and water vapor. The diluted ammonia gas will be injected into the boiler exhaust just upstream of the catalyst modules. The vanadium pentoxide catalyst is selective to NH_3 and NO_X and enables a 94 percent reduction of NO_X by

converting the reactants to harmless nitrogen (N_2), hydrogen (H_2) and water (H_2O). The reduced-NO_X boiler exhaust will then be vented through the existing stack to the atmosphere.

A combined delivery and storage aqueous ammonia system will be constructed as part of the proposed project. The proposed facility for the SCR ammonia system consists of a truck delivery bay adjacent to the aqueous ammonia storage area. The design of the ammonia storage system will include passive mitigation to contain 110 percent of the storage volume. The system will also include secondary containment (a grating-covered trench around the perimeter of the delivery bay) to passively contain potential spills from the tanker truck during the transfer of aqueous ammonia from the delivery truck to the storage facility. The truck loading/unloading area will gravity drain underground to a large on-site retention basin thereby providing significant ammonia dilution to the extent that no impact is possible in the event of an accidental release during transfer of aqueous ammonia.

The aqueous ammonia storage and handling facility will be equipped with several safety devices. These safety features will include continuous tank level monitors (e.g., high and low level), temperature and pressure monitors, leak monitoring and detection system, alarms, check valves, and emergency block valves. Additionally, as mentioned above, the storage tank will have secondary containment.

1.5.2 Aqueous Ammonia Transportation

Aqueous ammonia (19 percent concentration) will be transported to the facility via a 6,000-gallon tanker truck by way of an approved route established to deliver ammonia for other existing SCR systems at the facility. Based on the ammonia tank storage capacity and estimated use of aqueous ammonia, six to eight additional tanker truck trips of ammonia from the supplier to the facility will be required per month.

1.5.3 Permits and Approvals

The proposed project will require permits and approvals prior to construction and prior to operation of Units 1 and 2 after the SCR is installed. The majority of permits and approvals will be SCAQMD permits to construct and permits to operate the Units 1and 2 with SCR installed. A building permit from the City of Rancho Cucamonga is also required.

1.5.4 Construction

Construction is scheduled to begin when all permits and approvals are obtained (preparatory work is expected to begin October or November 2002). SCR construction will begin on Unit 2 while the system is shutdown for planned major maintenance activities which is estimated to be January, 2003. When Unit 2 nears completion, construction will begin on Unit 1. The construction period for demolition activities and installation of SCR for both Units is estimated at seven months. As part of demolition activities, four sections of ductwork (two on Unit 1, two on Unit 2) between the economizers and air preheaters would be removed. Four new ductwork sections housing the SCR reactor assemblies would replace the sections removed. Miscellaneous compressed air and water piping would be removed. Disposal of demolition materials would

likely involve a combination of salvage and disposal in accordance with applicable federal, state, and local regulations.

Construction activities are projected to include usage of vehicles to transport and position equipment for the project. Construction activities are anticipated to take place five days per week, Monday through Friday, from 6:00 a.m. to 5:00 p.m. However, night and/or weekend shifts may be required to maintain the construction schedule. Construction activities will require an average of 15 – 20 workers from the existing labor pool per day, with a peak number of 80 workers per day.

1.5.5 Operation

The proposed project, installation of SCR equipment, is expected to be completed by June 2003. Once operational Units 1 and 2 at the Etiwanda Generating Station will be able to generate electric power 24 hours a day, 365 days a year. Operation of the proposed project will not require additional manpower, or an increase to the existing labor pool.

1.5.6 Project Termination and Decommissioning

The estimated life of the SCR system for Units 1 and 2 is 15 years. Equipment, which is no longer effective, may then be shut down and/or decommissioned, replaced, or modified in accordance with applicable regulations and market conditions prevailing at the time of termination. Decommissioning would likely involve salvage, disposal and site restoration in accordance with applicable federal, state, and local regulations, as well as surrounding land use and zoning laws.

2.1 ENVIRONMENTAL CHECKLIST FORM

The environmental checklist provides a standard evaluation tool to identify a project's adverse environmental impacts. This checklist identifies and evaluates potential adverse environmental impacts that may be created by the proposed project.

2.2 GENERAL INFORMATION

1. Project Title:	**Reliant Energy Etiwanda Selective Catalytic Reduction (SCR) Installation (Units 1&2) Project**
2. Lead Agency Name & Address:	**South Coast Air Quality Management District** **21865 E. Copley Drive** **Diamond Bar, CA 91765**
3. Contact Person & Phone Number:	**Kathy C. Stevens, (909) 396-3439**
4. Project Location:	**8996 Etiwanda Avenue** **Rancho Cucamonga, CA 91739**
5. Project Sponsor's Name & Address:	**Reliant Energy Etiwanda, LLC** **8996 Etiwanda Avenue** **Rancho Cucamonga, CA 91739**
6. General Plan Designation:	**Industrial Area Specific Plan**
7. Zoning:	**Heavy Industrial**

8. Description of Project:

Reliant Energy is proposing to install SCR in two of its existing boiler exhaust units (Units 1 & 2); install one new 12,500-gallon aboveground aqueous ammonia (19 percent concentration) storage tank; and construct a containment system in the event of an accidental release of the ammonia tank. SCR would be used to reduce nitrogen oxide (NO_X) emissions as part of Reliant's plan to meet declining facilitywide NO_x emission requirements of the South Coast Air Quality Management District's (SCAQMD) Regional Clean Air Incentives Market (RECLAIM) Program, Regulation XX.

2.3 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The following environmental impact areas have been assessed to determine their potential to be affected by the proposed project. As indicated by the checklist on the following pages, environmental topics marked with an "√" may be adversely affected by the proposed project. An explanation relative to the determination of impacts can be found following the checklist for each environmental topic.

☐ Aesthetics	☐ Agriculture Resources	☐ Air Quality
☐ Biological Resources	☐ Cultural Resources	☐ Energy
☐ Geology Soils	☑ Hazards & Hazardous Materials	☐ Hydrology/Water Quality
☐ Land Use/Planning	☐ Mineral Resources	☐ Noise
☐ Population/Housing	☐ Public Services	☐ Recreation
☐ Solid/Hazardous Waste	☐ Transportation/Traffic	☑ Mandatory Findings of Significance

2.4 DETERMINATION

On the basis of this initial evaluation:

☑ I find the proposed project COULD NOT have a significant effect on the environment, and that a NEGATIVE DECLARATION will be prepared.

☐ I find that although the proposed project could have a significant effect on the environment, there will not be significant effects in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect(s) on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Date: 8/23/02 Signature: Steve Smith

Steve Smith, Ph.D., Program Supervisor

3.1 AESTHETICS

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

a) and b) The proposed project site is located within the existing Etiwanda Generating Station which is located on a 64-acre site within the City of Rancho Cucamonga. The visual character of the area within the vicinity of the station is defined primarily by the area's flat topography and the industrial uses located north, east, and south of the Etiwanda Generating Station. Views to the north, east, and south reflect these industrial uses, mixed with some commercial development and undeveloped vacant lands. To the west, agricultural uses are visible in the foreground. The San Gabriel Mountains north of the Etiwanda Generating Station dominates background views.

The installation of two SCR units on existing mechanical equipment will not result in a significant visual alteration of the facility. The proposed new equipment within the facility and on existing boilers will not be visible from surrounding properties, and will not have a significant effect on a scenic vista or resource.

c) The proposed project site is located in a primarily industrial area of Rancho Cucamonga. Few residents are present nearby. No scenic routes are identified within the vicinity of the Etiwanda Generating Station. The proposed project will be built within the existing fenceline of the Etiwanda Generating Station.

d) Lighting would be provided as necessary in accordance with applicable safety standards and would be consistent with existing lighting at the Etiwanda Generating Station. Any additional lighting that may be required (i.e. near the ammonia tank) would

not be expected to create light and glare impacts to offsite surrounding areas due to the central location of Units 1 and 2 within the Etiwanda Generating Station.

No significant adverse aesthetic impacts from the implementation of the proposed project are anticipated, and no further analysis of this topic area is required.

3.2 AGRICULTURE RESOURCES

	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☒
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☒
c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	☐	☐	☒

a) b) and c) All proposed modifications to facility equipment would occur within the boundaries of the existing Etiwanda Generating Station. The proposed project would be consistent with existing zoning for the Etiwanda Generating Station and there are no agricultural resources or operations on or within one-half mile of the project site. The proposed project does not conflict with a Williamson Act contract and, since the proposed project occurs entirely within the boundaries of the existing facility, would not involve conversion of farmland to non-agricultural use.

3.3 AIR QUALITY

	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the proposal:			
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	☐	☒	☐
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	☐	☒	☐
d) Expose sensitive receptors to substantial pollutant concentrations?	☐	☒	☐
e) Create objectionable odors affecting a substantial number of people?	☐	☒	☐
f) Diminish an existing air quality rule or future compliance requirement resulting in a significant increase in air pollution?	☐	☒	☐

a) The proposed project is being undertaken to comply with Regulation XX annual allocation requirements to reduce NO_x emissions. Installation of the SCR systems will substantially reduce NO_x emissions from two existing 132 MW power generating units (Units 1 and 2). The SCR emissions reduction technology will remove about 94 percent of the NO_x emissions from Units 1 and 2 at the Reliant Etiwanda Generating Station. The proposed project would allow the facility to remain in compliance with the SCAQMD Regulation XX annual allocation requirements, consistent with the SCAQMD's Air Quality Management Plan (AQMP) strategies to reduce NOx emissions, to remain in attainment with all NO_2 ambient air quality standards and contribute to attainment and maintenance with a margin of safety of all ozone ambient air quality standards.

b) The proposed project would not violate any air quality standard or contribute to an existing or projected air quality violation. The proposed project consists of installing air pollution control equipment on utility boilers to reduce NO_x emissions. The proposed project is expected to maintain attainment of all NO_2 ambient air quality standards and to

help facilitate attaining and maintaining the state and federal ozone ambient air quality standards. Since NO_x is also a PM_{10} precursor, NOx emission reductions will also contribute toward attaining and maintaining with a margin of safety all state and national ambient air quality standards for PM_{10}. The SCAQMD's Air Quality Significance Thresholds are shown in Table 3.3-1.

Below is a discussion of the construction and operational impacts of the proposed project.

Construction Impacts - Construction air quality impacts associated with the installation of the SCR units will involve site preparation, construction and equipment installation. Trucks, cranes, skip loaders, and other mobile sources may be powered by diesel or gasoline and are sources of combustion emissions which include NO_x, carbon monoxide, VOCs, and small amounts of air toxics.

Construction emissions for the proposed project are anticipated from the use of a crane, a forklift to hoist the ammonia tank and the catalyst equipment into place. Other equipment includes a welding machine and a concrete truck. Construction emissions were estimated for this equipment using SCAQMD emission factors from the SCAQMD CEQA Air Quality Handbook (1993). Offsite mobile source construction emissions were calculated using CARB's Mobile Vehicle Emission Inventory Program (MVEIG), 2001 emission factors and calculations. Table 3.3-2 shows onsite construction emissions from construction equipment. Table 3.3-3 shows the calculations for light-duty trucks and heavy-duty diesel trucks, along with emissions from worker's vehicles for commutes to the job site. The vehicle miles traveled for worker commute trip is assumed to be 1000 miles day for light-duty trucks, based upon 20 trucks per day at 50 miles round trip; and 350 miles per day for the heavy duty diesel trucks, based upon five trucks per day at 70 miles round trip. As shown in Table 3.3-4, total construction emissions would be below the SCAQMD's significance level. These construction impacts are less than significant and are short term due to the temporary nature of the construction activities (approximately seven months).

Particulate emissions from fugitive dust results from vehicle and truck traffic on paved and unpaved roads. The amount of dust generated is a function of construction activities, silt and moisture contents of the soil, wind speed, frequency of precipitation, vehicle traffic and vehicle types, and roadway characteristics. Dust suppression techniques, such as watering or application of chemicals will be used in construction zones to minimize fugitive dust impacts. Additionally, the project will comply with the best available control measures referenced in SCAQMD Rule 403. Table 3.3-3 shows no fugitive dust emissions will occur from grading. The proposed project will occur within an area that has been previously graded and construction activities will not include grading, therefore PM_{10} emissions from grading activities are not included in the construction emissions.

TABLE 3.3-2
RELIANT ETIWANDA ONSITE CONSTRUCTION EQUIPMENT EMISSIONS

Emission Factors (EF) from Table A9-8-B: lb/hp-hr

Construction Equipment - Diesel	HP rating	Loading percent	Max hrs/day	Max-daily HP-Hr	EF unit	EF CO	lb/day CO	EF ROG	lb/day ROG	EF NO_x	lb/day NO_x	EF SO_x	lb/day SO_x	EF PM_{10}	lb/day PM_{10}
fork lift	175	30%	6	315	lb/hp-hr	0.013	4.095	0.003	0.945	0.031	9.765	0.002	0.63	0.0015	0.4725
concrete truck	300	62%	6	1116	lb/hp-hr	0.006	6.696	0.002	2.232	0.021	23.436	0.002	2.232	0.0015	1.674
crane	300	43%	6	774	lb/hp-hr	0.009	6.966	0.003	2.322	0.023	17.802	0.002	1.548	0.0015	1.161
welding machine	65	45%	6	175.5	lb/hp-hr	0.02	3.51	0.003	0.5265	0.024	4.212	0.002	0.351	0.0015	0.2633
TOTAL							**21.27**		**6.03**		**55.22**		**4.76**		**3.57**
AQ Significance Thresholds							**550**		**75**		**100**		**150**		**150**

Source: SCAQMD CEQA Air Quality Handbook, 1993

TABLE 3.3-3
RELIANT ETIWANDA
OFFSITE MOBILE SOURCE CONSTRUCTION EMISSIONS

*On-Road Mobile Source Running Exhaust Emissions Factors**

Vehicle Type	g/mile	g/mile	g/mile	Combustion g/mile	Tire Wear PM_{10} g/mile	Brake Wear PM_{10} g/mile	SO_2 g/mile
Light-Duty Trucks - Model Yr 1995-2003	2.29	0.412	0.338	0.01	0.015	0.023	0.004
Heavy Heavy Duty Diesel Truck 1995-2003**	1.39	0.48	13.05	0.23	0.04	0.01	0.178

Source: CARB's EMFAC 2001 (summer 70°F, 50% relative humidity), non-enhanced I/M, 35 mph
*LDT emission factors were obtained from the Rate Summary report, and HHDD emission factors from the Impact Rate Detail report
**for Light-Duty Trucks, includes exhaust emissions, and evaporative running losses at 30 minutes

On-Road Mobile Source Start-Up, Hot Soak and Diurnal Emission Factors

Vehicle Type	Start-Up CO*	Start-Up ROG (g/trip)*	Hot Soak ROG (g/trip)**	Diurnal ROG (g/hr)***	Start-Up NO_x*
Light-Duty Trucks - Model Yr 1995-2003	9.744	0.962	0.42	0.032	0.629
Heavy Heavy Duty Diesel Truck 1995-2003	0	0	0	0	0

Source: CARB's EMFAC 2001 (summer 70°F, 50% relative humidity), non-enhanced I/M, 35 mph
* After 720 minutes
**After 40 minutes
***Includes diurnal and resting losses

Worker Commute Emissions (personal vehicles and delivery trucks)

Vehicle Type	Number per day	RT VMT Mi/veh	VMT mi/day	Starts No.Day	Trips No.Day	Vehicle-days No.Day	total CO lb/day	total ROG lb/day	total NO_x lb/day	total PM_{10} lb/day	SO_2 lb/day
Light-Duty Trucks - Model Yr 1995-2003	20	50	1000	40	40	20	5.90	1.03	0.80	0.10	0.01
Heavy Heavy Duty Diesel Truck 1995-2003	5	70	350	10	10	5	1.07	0.37	10.06	0.22	0.14
Total Off-Site							**6.97**	**1.40**	**10.86**	**0.32**	**0.15**

TABLE 3.3-4
RELIANT ENERGY TOTAL CONSTRUCTION EMISSIONS

	CO lb/day	VOC lb/day	NO_x lb/day	SO_x lb/day	PM_{10} lb/day
Onsite	21.27	6.03	55.22	4.76	3.57
Offsite	0.00	0.00	0.00	0.000	0.00
TOTAL	**21.27**	**6.03**	**55.22**	**4.76**	**3.57**
CEQA Significance Level	**550**	**75**	**100**	**150**	**150**
Significant? (Yes/No)	**No**	**No**	**No**	**No**	**No**

Operational Impacts - The Etiwanda Generating Station currently operates as a RECLAIM NO_x facility per SCAQMD Rule 2001. Installation of the SCR systems will reduce NO_x emissions from the two existing 132 MW power generating units (Units 1 and 2) by about 94 percent. Therefore, the proposed project would result in reduced air quality impacts from NO_x emissions. During operation of the proposed project, regular deliveries of the aqueous ammonia to the facility would increase mobile source emissions by a small amount, as shown on Table 3.3-5.

SCR is a technique that reduces NO_x in the combustion exhaust stream to nitrogen, water and oxygen. Aqueous ammonia (NH_3) is used as a reducing agent, which is injected over a catalyst bed of vanadium pentoxide to cause the reduction reaction.

Most of the aqueous ammonia and NO_x will undergo a catalytic reaction within a temperature range of about 600 – 750°F. The combustion exhaust, along with ammonia that is injected into it, is passed over the catalyst bed. During this process the NO_x emissions are converted to nitrogen, hydrogen and water. Ammonia is injected at a rate that depends upon the fuel flow rate and the catalyst bed activity. The optimum ammonia injection rate is determined by source testing. However, in spite of carefully determined injection rates, some of the ammonia will pass through the process unreacted and escape into the air. This is referred to as "ammonia slip." The ammonia slip emissions from this project are estimated at a concentration less than 10 ppm in the exhaust (corrected to three percent O_2).

Ammonia is not a criteria pollutant, but is a PM_{10} precursor. For this reason permit conditions will be included in the SCAQMD RECLAIM Permit to limit ammonia slip emissions to less than 10 ppm. There are potential health concerns associated with ammonia, as discussed in item d) below.

c) Ammonia slip will be restricted to less than 10 parts per million (ppm) as a condition of the SCAQMD RECLAIM Permit. Cumulative secondary impacts associated with the ammonia slip and particulate emissions are expected to be insignificant because of the permit conditions limiting these pollutant emissions. Further, since NO_x is a PM_{10} precursor, NO_x emission reductions will contribute to attaining and maintaining with a margin of safety all state and national ambient air quality standards for PM_{10}.

The operating impacts of the proposed project will not violate any air quality standard. Rather, the project will provide an ambient air quality benefit by reducing NO_x emissions from the boilers by at least 94 percent. The proposed project will therefore be expected to facilitate attaining and maintaining the state and national NO_2, PM_{10}, and ozone ambient air quality standards.

d) Ammonia is not a carcinogen, but can have chronic and acute impacts. The nearest sensitive receptor is about ¼ mile from the project. A Tier 4 Health Risk Assessment (HRA) was conducted pursuant to SCAQMD Rule 1401, to conservatively estimate the long-term (chronic) non-cancer risk, and short-term (acute) non-cancer risk associated with the maximum ammonia emissions. The results of the HRA shows that both chronic

hazard index and acute hazard index for both Units 1 and 2 are less than 1.0, and therefore sensitive receptors would not be exposed to substantial pollution concentrations. Additionally, according to Rule 1401 with chronic hazard and acute hazard indices below 1.0, no further analysis is required. The HRA is included in the document as Appendix A.

Sensitive receptors would be exposed to less NO_x and ozone concentrations as a result of the project. There is a potential for a slight increase in the secondary formation of particulate emissions resulting from the use of aqueous ammonia in the SCR in the presence of sulfur compounds which are present in small quantities in natural gas. While most of the fuel sulfur is converted to SO_2, about 1.5 percent is converted to SO_3 in the presence of the SCR catalyst. SO_3 reacts with ammonia in the presence of water from the exhaust and forms ammonium sulfate $[(NH_4)_2SO_4]$ and ammonium sulfite (NH_4SO_3), which are very fine aerosol particulates. Public Utility Commission-grade low sulfur natural gas contains no more than 0.25 grains/100 standard cubic feet of gas. This is roughly equivalent to four ppm. Since only a fraction of the sulfur will contribute to formation of particulate, insignificant quantities of particulate will form as a result of the installation of the SCR system, corresponding to a de Minimis 0.2 percent increase in PM_{10} emissions.

e) The proposed project will not create objectionable odors, because the concentration of ammonia will be below the odor detection limit. According to dispersion estimates (Eschenroeder, et al., 1988), the buoyancy of ammonia and its dilution into the atmosphere (Benchley and Athey, 1981) would reduce the annual one-hour maximum ground concentration to less than one ppm based on an ammonia slip of 10 ppm. An ammonia concentration of one ppm is well below the odor detection limit.

No significant adverse air quality impacts from the implementation of the proposed project are anticipated, and no further analysis of this topic area is required.

TABLE 3.3-5
DAILY MOBILE SOURCE OPERATIONAL EMISSIONS

Ammonia Delivery Truck	Round trip miles/trip	CO g/mile	ROG g/mile	NO_x g/mile	Combustion PM_{10} g/mile	Tire Wear PM_{10} g/mile	Brake Wear PM_{10} g/mile	CO lb/trip	VOC lb/trip	NO_x lb/trip	Total PM_{10} lb/trip
Heavy Heavy Duty Diesel Truck	80	1.39	0.48	13.05	0.23	0.04	0.01	0.24	0.08	2.30	0.05

NOTE: Project anticipates about 6-8 delivery trips per month, at 80 miles per round trip. Only one delivery would occur on any one day.

Source: CARB's EMFAC 2001 (summer, 70°F, 50% relative humidity), non-enhanced I/M, 35 mph

3.4 BIOLOGICAL RESOURCES

Would the project:	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Dept. of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☒
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Dept. of Fish and Game or U.S. Fish and Wildlife Service?	☐	☒	☐
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☒
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sties?	☐	☐	☒
e) Conflict with any local policies or ordinances protecting biological resources such as a tree preservation policy or ordinance?	☐	☐	☒
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Pan, or other approved local regional, or state habitat conservation plan?	☐	☐	☒

a) - f) The existing Etiwanda Generating Station is located within primarily industrial land uses, with undeveloped areas bordering the complex to the south and west. Southern California Edison (Etiwanda Generating Station owner prior to Reliant) currently owns some of these undeveloped areas. Portions of this undeveloped land appear to have been used historically as cropland but currently support re-established ruderal vegetation.

The proposed equipment modifications will occur within the boundaries of the existing Etiwanda Generating Station in an area that has previously been greatly disturbed as a result of the original construction of the facility. Construction activities will occur in

areas of the facility that are paved and therefore will not adversely affect species of rare, threatened, or endangered plants or animals located in the immediate vicinity. No conflict with any local policies, ordinances or conservation plans will occur due to the proposed project. The proposed project site is not located on or immediately adjacent to natural wetland habitat and nor does it create any barriers to the movement of animals.

No significant adverse biological impacts from the implementation of the proposed project are anticipated, and no further analysis of this topic area is required.

3.5 CULTURAL RESOURCES

	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
Would the proposal:			
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	☐	☐	☒
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☐	☒
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☒
d) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☒

a) b) and c) In 1996, a record search was conducted for the project area that included a one-mile radius around the project location (CAI-SBCM 1996). Results from the record search indicated that 12 surveys were conducted within one mile of the proposed project area. From the 12 surveys, two archaeological sites were recorded: a 20th century fired-clay sewer line and a 20th century residence.

- **CA-SBR-7099H**, an early 20th century fired-clay sewer line, is located nearly one mile north of the facility.
- **CA-SBR-7199H**, an early 20th century residential site, is located nearly one mile northeast of the facility.

These sites are approximately one mile north and northeast of the project site. No prehistoric sites have been recorded within one mile of the Etiwanda Generating Station.

Although the Etiwanda facility has not been surveyed for cultural resources, the extent of similar surveys in the surrounding vicinity indicates a low probability of prehistoric archaeological materials being present.

Ethnographic Resources. Documentation of Kumivit settlements is sparse and unreliable; the more recent summaries of Gabrielino ethnography (e.g., Bean and Smith 1978) have refused to speculate on locations of pre-contact villages. The closest known village site to the Etiwanda facility is *Kukamongna* (after which Cucamonga is named) (Johnston 1962), which may have been located archaeologically several miles west (see Martz 1976). Gabrielino people living in the Los Angeles area are known to have concerns about archaeological sites within their traditional territory, especially village sites where human burials are likely.

Historic Resources. Important properties in the area relate to transportation and industry (wineries and steel). A number of known historic structures are located within a one mile radius of the Etiwanda facility. These include:

- **CA-SBR-2910H**, is U.S. Route 66 (Foothill Boulevard), is located nearly one mile north of the facility.
- **P1084-57H**, a structure associated with the Cucamonga Top Winery (now the Guidera Winery), is approximately 0.75 mile north of the facility.
- **P1084-23H**, ruins of the early 20th century Campenella residence, is located approximately 0.75 mile north of the facility.
- **P1084-52H**, several structures associated with the Etiwanda Grape Products Company, is located approximately 0.25 mile south of the facility.
- **CA-SBR-4131H**, the Kaiser Steel Mill site, was built during World War II and is one-half mile and more east of the facility. It is one of the largest steel production mills west of the Mississippi and was designated as a California Point of Historical Interest in 1975. The site has recently been evaluated for the National Register (Sturm, Monk, and Strudwick 1995) (CAI-SBCM 1996).

In addition, the California Archaeological Inventory, San Bernardino County Museum, has indicated that:

a) Numbers of standing structures of varying historical significance occur within the area,

b) Based on old maps, historical archaeological remains are likely within the area, especially along Rochester Avenue west of the facility, and

c) A number of historic structures are known, but not mapped, in a north-south-trending corridor immediately east of the facility (CAI-SBCM 1996).

The Etiwanda Generating Station is not considered historic (less than 50 years old).

Paleontological Resources. No record search was conducted for fossil findings in the vicinity of the Etiwanda facility. No paleontological resources were uncovered during the installation of SCR on Units 3 and 4.

The proposed project will occur within the boundaries of the existing Etiwanda Generating Station, which is in an industrial area. Since the ground disturbance associated with the project will be minimal and will occur in previously disturbed areas the proposed project in not expected to have significant adverse impacts to cultural resources.

d) There are no known human remains or cemeteries within the vicinity of the Etiwanda Generating Station.

No significant adverse cultural resource impacts from the implementation of the proposed project are anticipated, and no further analysis of this topic area is required.

3.6 ENERGY

	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
Would the project:			
a) Conflict with the adopted energy conservation plans?	☐	☐	☒
b) Result in the need for new or substantially altered power or natural gas utility systems?	☐	☐	☒
c) Create significant effects on local or regional energy supplies and on requirements for additional energy?	☐	☐	☒
d) Create any significant effects on peak and base period demands for electricity and other forms of energy?	☐	☐	☒
e) Comply with energy standards?	☐	☐	☒

a) and e) The existing Etiwanda Generating Station is expected to comply with existing energy conservation plans and standards. The proposed project is an upgrade to existing mechanical equipment and is not expected to alter any operational procedures which would change existing practices. As a result, the proposed project is not expected to conflict with any existing energy conservation plans or energy standards.

b) The existing power generating boilers currently operate using natural gas as a combustion fuel. The proposed SCR control equipment does not require natural gas to operate. Therefore, no natural gas is necessary for the construction or operation of the proposed project. Therefore, there would be no need for the alteration or creation of natural gas utility systems.

Operation of the project will result in a minor increase in the electrical consumption due to the operation of blowers and the pumps associated with the SCR Units. This increase in electricity will be satisfied by the power generated from the existing electricity power generating equipment at the site.

c) Incremental gasoline and diesel usage will occur during construction activities (e.g., operation of construction equipment, material delivery trucks, and worker commute vehicles). This small increase will be temporary and is expected to have a less than significant impact on local fuel reserves. Electrical consumption during construction will be temporary and can be handled by the existing infrastructure and the project itself will enhance the availability and reliability of electricity production at the Etiwanda Generating Station.

d) The construction of the proposed project would not significantly affect the peak and base demands for energy because of the facility's coordination of outage work (as required during normal down time for maintenance) with the Cal-ISO and the limited duration of construction (approximately seven months). Further, installation of the SCR control equipment would increase the reliability of the power generating capacity of the existing equipment during peak summer demand periods by ensuring that the facility would not exceed applicable NO_x annual allocations under RECLAIM.

No significant adverse energy impacts from the implementation of the proposed project are anticipated, and no further analysis of this topic area is required.

3.7 GEOLOGY AND SOILS

Would the project:	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:	☐	☒	☐
i. Rupture of a know earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☒	☐
ii. Strong seismic ground shaking?	☐	☒	☐
iii. Seismic-related ground failure, including liquefaction?	☐	☒	☐
iv. Landslides?	☐	☐	☒
b) Result in substantial soil erosion or the loss of topsoil?	☐	☒	☐

c)	Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☒	☐
d)	Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risk to life or property?	☐	☒	☐
e)	Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☒

a)

i. Primary ground rupture along the causative fault typically results in a relatively small percentage of the total damage in an earthquake. However, it is difficult to mitigate primary ground rupture through design; therefore, the primary mitigative technique is to setback from the fault (i.e., establish structural avoidance zones). The Alquist-Priolo Special Studies Zones Act was signed into law in 1972 (in 1994 it was renamed *Alquist-Priolo Earthquake Fault Zoning Act*). The primary purpose of the Act is to mitigate the hazard of fault rupture by prohibiting the location of structures for human occupancy across the trace of an active fault (Hart and Bryant 1997). The Act requires that "earthquake fault zones" be delineated by the State of California (that is, by State Geologists) along faults, which are "sufficiently active" and "well-defined." These faults show evidence of Holocene surface displacement along one or more of their segments (*sufficiently active*) and are clearly detectable by a trained geologist as a physical feature at or just below the ground surface (*well defined*). The boundary of an earthquake fault zone is generally about 500 feet from major active faults, and 200 to 300 feet from well-defined minor faults. The Act dictates that cities and counties withhold development permits for sites within an earthquake fault zone within their jurisdiction until geologic investigations demonstrate that the sites are not threatened by surface displacements from future faulting (Hart and Bryant 1997).

   The proposed project site is not located on or adjacent to any Alquist-Priolo earthquake fault zones (Hart 1994). The closest earthquake fault zones to the site are the Cucamonga Fault and the Red Hill Fault at distances of five miles and four miles, respectively. The hazard from ground rupture is negligible on the basis of this information.

ii. The proposed project site, like much of California, is located within a seismically active area. The potential for future earthquakes in the vicinity of the site within the lifetime of the power plant is high. Ground shaking is the earthquake effect that results in the vast majority of damage. Strong shaking from an earthquake can result in landslides, ground lurching, structural damage, and liquefaction. Strong ground shaking can also set into motion other hazards such as fire, disruption of essential

facilities and systems (water, sewer, gas, electricity, transportation, communications, irrigation and drainage systems), releases of hazardous materials, or flood inundation as a result of dam or water tank failure.

The proposed project site is located within Seismic Zone 4 as designated in the Uniform Building Code (UBC) (International Conference of Building Officials) and the California Building Code (CBC). In accordance with the UBC, the horizontal acceleration coefficient is a function of the seismic zone factor and project-specific conditions such as soil properties, equipment configuration, and building specifications.

As a result of the 1994 Northridge earthquake, the seismic design criteria in the Uniform Building Code (UBC) were revised resulting in much more stringent design criteria than in the previous edition. The revised criteria of the 1997 edition of the UBC would be used for design and construction of structures and foundations for the proposed project. Other Codes to be used for the construction of structures for the proposed project include; National Fire Protection Association (NFPA), the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (Section VIII, Pressure Vessels), ASME B31.1, Power Piping, the American Concrete Institute (ACI) and the American Institute of Steel Construction (AISC). A containment dike around the ammonia tanks would be in place to contain the release of ammonia in the event of a major earthquake and a catastrophic rupture of one of the ammonia tanks. Based on predictive modeling results, no off-site residences would be exposed in the event of a catastrophic release of ammonia from the 12,500-gallon tank. See the Hazards section of this document for further detail.

iii. Liquefaction typically occurs in loose, saturated soils or sediments of primarily sandy composition, in the presence of ground accelerations generally greater than 0.2 g. When liquefaction occurs, the material involved has a total or substantial loss of shear strength and behaves like a liquid or semi-viscous substance. Liquefaction can cause structural distress or failure due to settlement, a loss of bearing capacity in the foundation soils, and the buoyant rise of buried structures. The excess hydrostatic pressure generated by ground shaking can result in the formation of sand boils, and mud spouts, and/or seepage of water through ground cracks.

As indicated above, there are three general conditions that need to be met for liquefaction to occur: (1) strong ground shaking of relatively long duration, (2) loose, or unconsolidated, recently deposited materials consisting primarily of silty sand and sand, and (3) saturation of the materials. Although the first and second condition may be present at the proposed project site, groundwater is approximately 340 feet below ground surface (bgs). Therefore, the potential for the sandy material at the project site to liquefy is low to none.

iv. The project site is located on a relatively flat area. Given the site topography, there is negligible potential for development of landslides or other slope stability concerns.

b) The proposed project will occur entirely within the footprint of the existing Etiwanda Generating Station and since the proposed project will occur within an area that has been previously graded, construction activities do not include grading. As a result, the proposed project is not expected to result in substantial soil erosion or the loss of topsoil.

c) The project site is currently graded, developed and generally flat. The project would not involve excavation, grade changes or other significant changes in the soil. Therefore, no significant impacts related to soil erosion are expected. No significant change in topography is expected because little grading/trenching is required that could potentially result in landslide, lateral spreading, subsidence, liquification or collapse. With regard to operation of the proposed project, no change in surface runoff is expected because surface conditions at the facility will remain relatively unchanged.

d) Soil expansion is a phenomenon by which soils that contain a large percentage of clay expand in volume as a result of an increase in moisture content and shrink in volume upon drying. In the vicinity of the project site, expansive soils are not considered a hazard because of the relatively low amounts of clay present in the fan deposits underlying the site. The shrink-swell potential for the on-site soils is low.

e) The Etiwanda Generating Station has existing wastewater management systems that would continue to handle wastewater produced at the plant. Therefore, the proposed project does not require alterations which would impact any septic system or any other alternative wastewater disposal system. No impacts to the exiting capacity of the onsite wastewater systems is expected from the proposed project

No significant adverse seismic or soils impacts from the implementation of the proposed project are anticipated, and no further analysis of this topic area is required.

3.8 HAZARDS AND HAZARDOUS MATERIALS

	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
Would the proposal involve:			
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☒	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☒	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☒	☐

d)	Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☒
e)	For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☒
f)	For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☒
g)	Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒
h)	Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	☐	☐	☒
i)	Significantly increase fire hazard in areas with flammable materials?	☐	☐	☒

a) The proposed SCR system requires ammonia to react with NO_x in the exhaust gases to reduce NO_x emissions. Along with the use and handling of aqueous ammonia comes the risk of upset and accidental release. The risk of upset and accidental release can be reduced through design, operations, maintenance, regulatory, and administrative controls. Operational controls for the proposed project will include automatic devices to control and monitor process variables and documented procedures for manual operations. Routine preventative maintenance and inspections of critical equipment help to prevent unscheduled process shutdowns and potential equipment failures. Administrative controls will include operator training, documentation of equipment inspection and maintenance history, and procurement prequalification controls over contractors and vendors.

The existing Etiwanda Generating Station currently adheres to and will continue to adhere to the following safety design and process standards in the operations of the equipment for the proposed project:

- The California Health and Safety Code Fire Protection specifications.
- The design standards established by American Society of Mechanical Engineers, the American Institute of Chemical Engineers, the American National Standards Institute, and the American Society of Testing and Materials.
- The applicable California Occupational Safety and Health Act (Cal-OSHA) requirements.

- California Fire Code, 1998 Edition.
- Other applicable local, state, and federal regulations related to the storage and handling of hazardous materials, and the prevention of potential operational hazards.

The proposed project includes the addition of one 12,500-gallon aboveground storage tank to service the new SCR units. The ammonia would be delivered to the Etiwanda Generating Station mixed with water at a concentration of 19 percent and stored onsite. Nineteen percent is being used rather than anhydrous ammonia or the 29 percent historically used for SCR systems in order to reduce the inherent risk of handling ammonia. Use and transport of anhydrous ammonia involves greater risk than aqueous ammonia because it is stored and transported under pressure. In the event of a leak or rupture of a tank, anhydrous ammonia is released and vaporizes into the gaseous form which is its normal state at atmospheric pressure and produces a dense toxic cloud that drifts according to the prevailing winds. Aqueous ammonia is a liquid at ambient temperatures and gas is only produced when a liquid pool from a spill evaporates.

Aqueous ammonia at concentrations less than 20 percent is not considered a toxic substance under federal Risk Management Program requirements (Title 40 of the Code of Federal Regulations, Part 68). However under current California Office of Emergency Services (OES) regulations implementing the California Accidental Release Program (CalARP) requirements, there is no threshold concentration of aqueous ammonia for exclusion from the program (California Health and Safety code Section 2770.1). On June 19, 1998, the California Office of Environmental Health Hazard Assessment (OEHHA) issued recommended changes to the list of regulated substances in the CalARP program that included a proposed change in aqueous ammonia applicability to solutions of 20 percent or greater, which would match the federal program. Thus, both the U.S. EPA and the OEHHA have determine that aqueous ammonia of less than 20 percent concentration does not present a significant toxic risk; However the California OES has not yet acted on the OEHHA's proposed change. If these changes are not in place by the time the increased volume of aqueous ammonia for the proposed project is scheduled to be brought onsite, Reliant will coordinate with the San Bernardino County Hazardous Materials Management Unit and provide it with a CalARP Program document if required.

Ammonia Handling and Storage System Design. A combined delivery and storage aqueous ammonia system will be constructed as part of the proposed project. The proposed facility for the SCR ammonia system consists of a truck delivery bay adjacent to the aqueous ammonia storage area. The design of the ammonia storage system will include passive mitigation to contain 110 percent of the storage volume. The system will also include secondary containment (a grating-covered trench around the perimeter of the delivery bay) to passively contain potential spills from the tanker truck during the transfer of aqueous ammonia from the delivery truck to the storage facility. The truck loading/unloading area will gravity drain underground to a large on-site retention basin thereby providing significant ammonia dilution to the extent that no impact is possible in the event of an accidental release during transfer of aqueous ammonia.

The aqueous ammonia storage and handling facility will be equipped with several safety devices. These safety features will include continuous tank level monitors (e.g., high and low level), temperature and pressure monitors, leak monitoring and detection system, alarms, check valves, and emergency block valves. Additionally, as mentioned above, the storage tank will have secondary containment.

Transportation of Aqueous Ammonia. The existing Etiwanda Generating Station currently receives ammonia from an ammonia supplier located in La Mirada approximately 38 miles southwest of the facility. The same supplier of ammonia will be used for the proposed project. Deliveries of aqueous ammonia solution would be made to the facility by tanker truck via public roads. The maximum capacity of a tanker truck is 6,000-gallons. Based on the onsite storage capacity and consumption of ammonia, delivery frequency from the supplier to the Etiwanda facility is estimated at an additional six to eight tanker trucks per month during high demand months, fewer ammonia transport trips per month during lower demand periods. U.S. Department of Transportation Regulations for the transport of hazardous materials are contained in 49 Code of Federal Regulations 173 and 177.

Although trucking of aqueous ammonia and other hazardous materials is regulated for safety by the U.S. Department of Transportation, there is a small probability that a tanker truck could be involved in an accident spilling its contents. This probability can be estimated based on historical statistics. Truck accident rates are approximately 8.7 per million miles (Risk of Upset Evaluation, Unocal San Francisco Refinery, ENSR 1994). Assuming 96 deliveries of 38 miles per year for the supplier in La Mirada (worst-case), the expected number of accidents would be one per 2,385 years. The risk of accident can be minimized by ensuring that a safe route is used and the shipments are made during off-peak times. The likelihood of any release in an accident is one in ten and of a major release, one in forty (ENSR 1994).

The expected major release frequency is one per 95,400 years. In the unlikely event that the tanker truck would rupture and release the entire 6,000 gallons of aqueous ammonia the ammonia solution would have to pool and spread out over a flat surface in order to create sufficient evaporation to produce a significant vapor cloud. For a road accident, the roads are usually graded and channeled to prevent water accumulation and a spill would be channeled to a low spot or drainage system, which would limit the surface area of the spill and the subsequent toxic emissions. Without this pooling effect on an impervious surface the spilled ammonia would not evaporate into a toxic cloud and impact residences or other sensitive receptors in the area of the spill. To further reduce potential risk of exposure, the SCAQMD currently requires the Etiwanda Generating Station to use (and it will continue to be required to use) a transportation route for ammonia shipments to the facility that ensures minimum expose to sensitive populations and further minimizes risks by shipping ammonia during off-peak times.

- The haul route shall minimize rail crossings and crossing of busy intersections.

- When traveling on surface streets, the haul route shall not come within one-quarter mile of an existing or proposed school.

- Deliveries shall not be en route to the site between 7:00 AM and 9:00 AM or between 4:00 PM and 6:00 PM weekdays.

- The haul route shall be resubmitted to the lead agency if suppliers are changed.

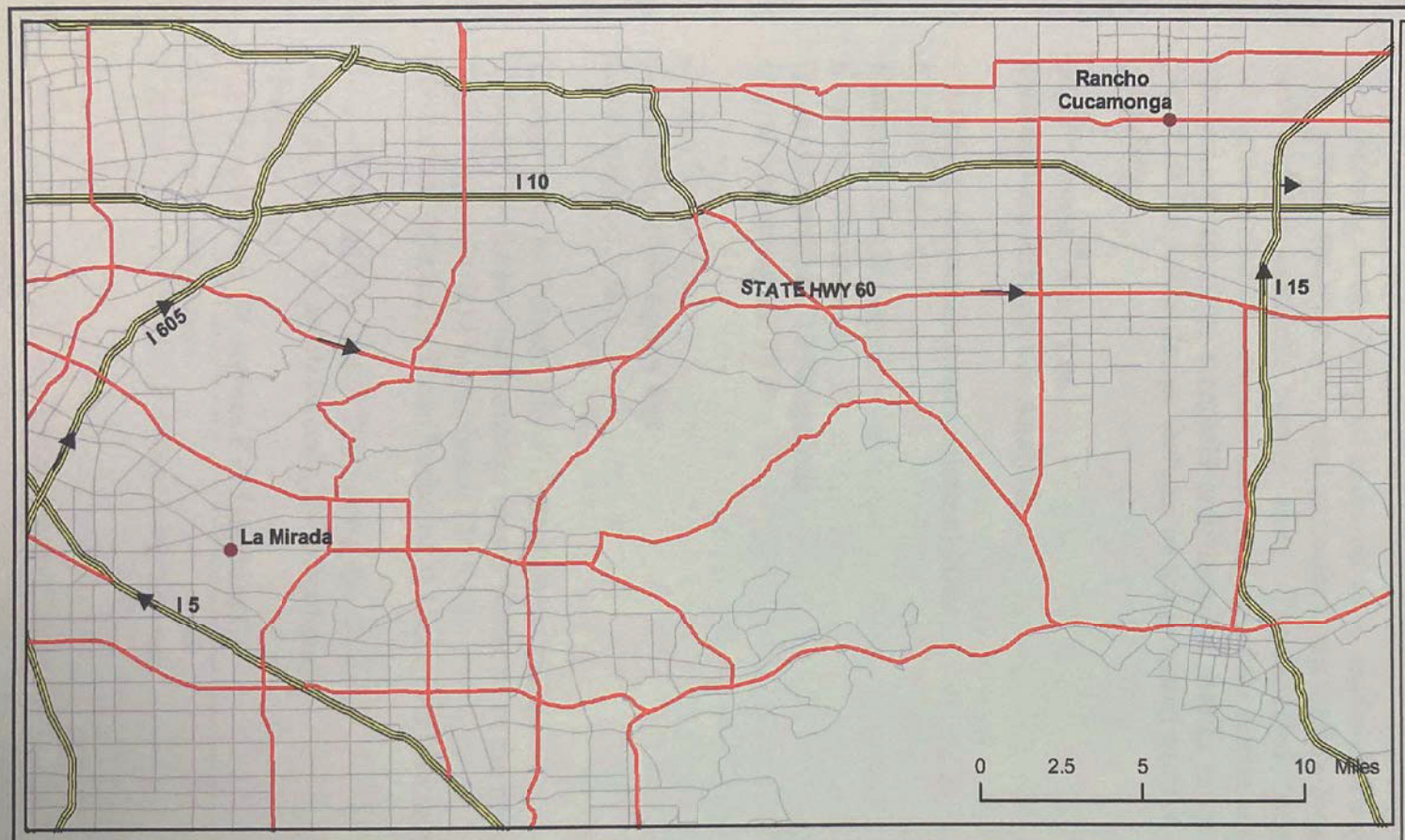
The currently approved transportation route originates at 15116 Canary Avenue, La Mirada and terminates at the Etiwanda Generating Station at 8996 Etiwanda Avenue, Rancho Cucamonga. This route only crosses one rail crossing, which is a seldom-used delivery railroad spur. The route does not come within one-quarter mile of an existing or proposed school. A map of the approved transportation route is included as Figure 5.

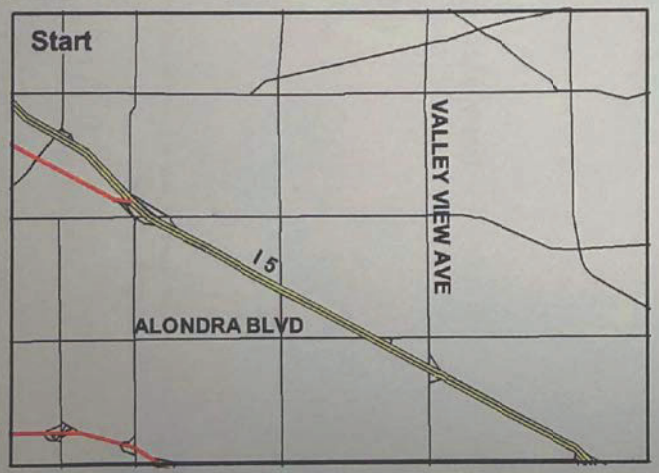
In the event of an accidental release of ammonia during transport, roadway conditions that would allow pooling and evaporation of ammonia in concentrations that would be considered significant, i.e., ammonia concentrations greater than or equal to 200 ppm, are typically not present. Further, the project proponent will be required to transport ammonia over routes that would reduce exposure in the event of an accidental ammonia release. The conclusion of this analysis is that potential impacts due to accidental release of ammonia during transportation are less than significant. As a result, the small probability of an accidental release occurring would result in even less significant impacts.

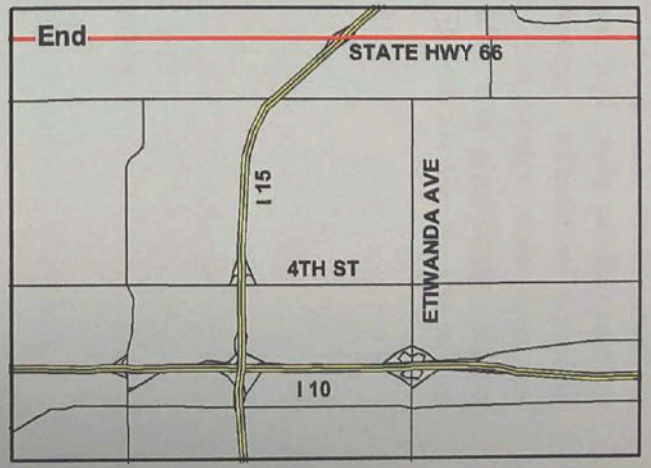
b) The following accidental release scenarios were used to evaluate the potential for the proposed project to create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the onsite release of hazardous materials into the environment.

Ammonia Tank Rupture (Onsite) Scenario. This release scenario calculated the toxic impact from a spill of 12,500-gallons of 20 percent aqueous ammonia into a containment dike sized to hold the tank contents plus an additional 10 percent.

The atmospheric dispersion of the ammonia emissions was calculated using the RMP*Comp™ (v 1.06) dispersion modeling program (developed by the U.S. EPA and the National Oceanic and Atmospheric Administration (NOAA)). The surface roughness used in the RMP*Comp™ modeling was "urban" (many obstacles in the immediate area), as there are structures and equipment over 25 feet high surrounding the modeled release point. An "urban" roughness indicated there are many obstacles where the spill has







Directions from La Roche Industries Inc., 15116 Canary Ave., to Etiwanda Generating Station, 8996 Etiwanda Ave.

La Roche Plant onto Canary Ave.
Canary Ave. to Gannet St.
Gannet St. to Valley View Ave.
Valley View Ave. to Alondra St.
Alondra St. to Northbound Onramp I-5
Northbound I-5 to Northbound I-605
Northbound I-605 to Eastbound 60
Eastbound 60 to Eastbound I-15
Eastbound I-15 to 4th St. Off-Ramp
4th St. to Etiwanda Ave.
Etiwanda Ave. to Napa St.
Turn Left into the Etiwanda Plant

N
W E
S

Figure 5

ENTRIX

Ammonia Transportation Route Map
Reliant Energy, LLC

occurred, increasing mixing effects as the plume moves around the objects. Wind speed was assumed to be 1.5 meters/second and a Stability Class of F was used.

The vapors were assumed to disperse until a concentration of 200 ppm was attained. This toxic exposure endpoint comes from Emergency Response Planning Guidelines (ERPG) Level II and was selected by the USEPA and the SCAQMD as their significance criterion for exposure to ammonia. The ERPG Level II is defined as follows:

> "The maximum airborne concentration below which it is believed that nearly all individuals could be exposed for up to one hour without experiencing or developing irreversible or other serious health effects or symptoms which could impair an individual's ability to take protective action."

The distance to the 200-ppm endpoint for a confined release is 0.1 mile or 200 meters. The nearest receptor is a metal manufacturing facility located 0.25 mile or 400 meters north of the ammonia storage area. The modeled "worst-case" release of aqueous ammonia from a catastrophic failure of one of the onsite ammonia storage tanks does not impact any sensitive receptors and therefore results in an less than significant impact based on the safety design features of the proposed project. Below are the results of the modeling.

RMP*Comp™ Ver. 1.06
Results of Consequence Analysis

Chemical: Ammonia (water solution) 20%
CAS #: 7664-41-7
Category: Toxic Liquid
Scenario: Worst-case
Quantity Released: 12500 gallons
Liquid Temperature: 77 F

Design Features:
Diked area: 1088 square feet
Dike height: 1.5 feet

Release Rate to Outside Air: 47.7 pounds per minute
Topography: Urban surroundings (many obstacles in the immediate area)
Toxic Endpoint: 0.14 mg/L; basis: ERPG-2
Estimated Distance to Toxic Endpoint: 0.1 mile (0.2 kilometer)

--------Assumptions About This Scenario---------
Wind Speed: 1.5 meters/second (3.4 miles/hour)
Stability Class: F
Air Temperature: 77 degrees F (25 degrees C)

Ammonia Transfer Release Scenario. A release of ammonia during off-loading of ammonia was evaluated. The quantity of the ammonia tanker truck is 6,000 gallons. Since the ammonia truck unloading pad has been designed to gravity drain underground into a large on-site retention basin. The dilution effect of the underground retention basin would reduce the ammonia concentration to such a degree that no impacts would be possible. It should be noted that the upsets that were modeled are not likely to occur and were very conservatively based on U.S. EPA RMP worst-case assumptions.

c) The proposed project site is not located within one-quarter of a mile of an existing or proposed school. In addition to the construction of spill containment, the haul route of the tanker truck would be such that proximity to schools during transportation of aqueous ammonia would be prohibited by the SCAQMD.

d) The proposed project is not located on property which is included on the list of hazardous materials sites compiled pursuant to Government Code Section 65962.5.

e,f) The proposed project would be located within the boundaries of an existing generation station and is not within two miles of an airport. The proposed project would not be located near a private airstrip. Therefore it is not anticipated that the proposed project would interfere with any airport activities.

g) The proposed project is not expected impair or physically interfere with any locally adopted emergency response or evaluation plans. Procedures for emergency response are provided to all Etiwanda Generating Station employees along with training guidelines in the use of personal protective equipment. These procedures and guidelines will be updated as necessary to account for the installation of new equipment. All construction and operation personnel associated with the proposed project would receive safety training in accordance with all relevant procedures and guidelines.

h) The proposed project would not increase the risk of additional loss, injury or death involving wildland fires, as the project would be constructed within the boundaries of the existing Etiwanda Generating Station and would meet all relevant fire codes.

i) Implementation of the proposed project would not significantly increase the amount of flammable or combustible materials or provide new ignition sources. During construction activities, small amounts of flammable materials may be used as required. Best management practices and compliance with applicable regulations regarding the handling and storage of these materials during construction will reduce the potential for fire hazards.

No significant adverse hazards and hazardous materials impacts from the implementation of the proposed project are anticipated, and no further analysis of this topic area is required.

3.9 HYDROLOGY AND WATER QUALITY

Would the project:	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
a) Violate any water quality standards or waste discharge requirements?	☐	☐	☒
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted?	☐	☐	☒
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	☐	☐	☒
d) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	☐	☐	☒
e) Otherwise substantially degrade water quality?	☐	☒	☐
f) Place housing within a 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	☐	☐	☒
g) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	☐	☐	☒
h) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	☐	☐	☒
i) Inundation by seiche, tsunami, or mudflow?	☐	☐	☒
j) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	☐	☐	☒
k) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☒

l)	Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☒
m)	Have sufficient water supplies available to serve the project from existing entitlements and resources. Or are new or expanded entitlements needed?	☐	☐	☒
n)	Require in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒

a) Accidental spills of aqueous ammonia that could create water quality impacts could occur either from the operation of the SCR system, from piping that transfers ammonia from the storage tank to the vaporizers, from the unloading operation or from the truck during transport.

The aqueous ammonia storage and handling facility will be equipped with several safety devices. These safety features will include continuous tank level monitors (e.g., high and low level), temperature and pressure monitors, leak monitoring and detection system, alarms, check valves, and emergency block valves. In addition the ammonia storage tank will include a containment system. The containment system would be designed to contain a complete tank spill plus storm water, which is the equivalent to a design capacity of 110 percent of the tank. In addition, a grating-covered trench and splash wall will be constructed around the perimeter of the tank truck unloading area to contain any accidental releases during loading or unloading of ammonia. The drainage trench will gravity drain underground to a large on-site retention basin where significant dilution would occur.

The Etiwanda Generating Station currently has a Spill Prevention Control and Countermeasure (SPCC) Plan in place, as required by federal regulations. The SPCC Plan, along with their Hazardous Materials Release Contingency Plan, outlines emergency procedures, operating procedures, training of employees and engineering controls (e.g. secondary containment) necessary to prevent spills, overflows, or other incidents that may discharge hazardous materials to the environment. These plans will be updated to include the new ammonia storage tank and the increased volume of aqueous ammonia. Ammonia is currently used at the Etiwanda Generating Station in the SCR system for Units 3 and 4. The purpose of these plans is to specify how personnel would respond to any unplanned release of hazardous materials to the air, soil, or surface water. This response includes notifying the proper authorities of the release, controlling and cleaning up the release and restoring the environment as required. The plan identifies sources of hazardous materials, responsibilities of employees during a response, a step-by-step plan of how to respond to a release, who to contact in the event of a release, and clean up of the released material.

b) and m) The proposed project would not require the use of groundwater or require the construction of groundwater wells, or substantially interfere with groundwater recharge capabilities. No potential groundwater supply impacts are anticipated as a result of the proposed project.

c) d) and e) The proposed project would not alter the infiltration rates, drainage patterns, or the quality and quantity of stormwater runoff, or erosion rates because the proposed project would occur within the existing Etiwanda Generating Station, on an existing impervious surface, utilizing the existing drainage system. Surface and groundwater quality, quantity and flow rates, as well as currents or other water movements, would not change in relation to the proposed action.

f), g) and h) The existing Etiwanda Generating Station and project site, is and will continue to use its existing storm water collection system. The proposed project site is not within a mapped 100-year floodplain or a 100-year flood hazard area and does not include construction of housing. Therefore no structures would be placed within a 100-year flood hazard area. Furthermore, the proposed project would not expose people or structures to risk of loss, injury or death involving flooding because it includes installing control equipment at an existing facility.

i) Based on the site topography and site elevation in relation to sea level, the anticipated modifications will not result in an increased risk of seiche, tsunami, or mud flow hazards at the project site.

j), k) and n) The Etiwanda Generating Station currently discharges wastewater to Los Angeles County Sanitation District (LACSD) through the Inland Empires Utilities Agency non-reclaimable industrial waste lines. The Inland Empire Utilities Agency discharges to the Los Angeles County wastewater system as part of the Wastewater Reclamation and Solid Waste Management Group of the County Sanitation Districts of Los Angeles County. No alteration to existing wastewater discharges is associated with the proposed project. Therefore, no impacts on wastewater demand would occur. In addition, no Regional Water Quality Control Board wastewater treatment standards or requirements will be exceeded. The proposed project will not require modifications to the existing wastewater discharge permit or require construction of a new wastewater treatment facility.

l) The proposed project does not require the construction of new stormwater drainage facilities or expansion of existing facilities, or require the construction of new water or wastewater treatment facilities or expansion of existing facilities. It is anticipated that the existing stormwater drainage facilities at the site will be able to accommodate the proposed project.

No significant adverse hydrology and water quality impacts from the implementation of the proposed project are anticipated, and no further analysis of this topic area is required.

3.10 LAND USE AND PLANNING

Would the project:	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
a) Physically divide an established community?	☐	☐	☒
b) Conflict with applicable environmental plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	☐	☐	☒

a) and c) The proposed project site is located within the property boundaries of the existing Etiwanda Generating Station, a 64-acre power plant within an industrial area. No communities or private residences are located within one-quarter mile of the facility. As a result, the project is not expected to divide an established community or conflict with a habitat conservation or natural community conservation plan.

b) Land uses in the vicinity of the Etiwanda Generating Station is designated in the City of Rancho Cucamonga General Plan and Industrial Area Specific Plan as "Heavy Industrial" (HI). The Heavy Industrial designation typically accommodates, but is not limited to, vehicular assembly plants, power plants, concrete product manufacturers and batch plants (City of Rancho Cucamonga 1986). The City of Rancho Cucamonga has also assigned a zoning designation of Heavy Industrial to the Etiwanda Generating Station property and surrounding areas.

The proposed project will be located within the boundaries of an existing facility. The new equipment and minor modifications to existing equipment are consistent with the existing land use and zoning in the vicinity of the Etiwanda Generating Station, which are for the most part highly industrialized areas. The installation of SCR equipment on Units 1 and 2 will not change the character of the area surrounding the proposed project. The proposed project is compatible with existing and planned land uses in the area and the HI zoning designation.

No significant adverse land use impacts from the implementation of the proposed project are anticipated, and no further analysis of this topic area is required.

3.11 MINERAL RESOURCES

Would the project:	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
a) Result in the loss of availability of a known mineral resource that would be of future value to the region and the residents of the State?	☐	☐	☒
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☒

a) and b) The proposed project will be constructed within the boundaries of the existing Etiwanda Generating Station. Further, the proposed project does not involve using locally important mineral resources such as aggregate, shale, etc. Therefore, the availability of regionally or locally important mineral resources would not be altered by the proposed project.

No significant adverse mineral resource impacts from the implementation of the proposed project are anticipated, and no further analysis of this topic area is required.

3.12 NOISE

Would the project:	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	☐	☒	☐
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	☐	☒	☐
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	☐	☒	☐

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

a)- d) The proposed project will occur within the existing Etiwanda Generating Station, which is located within an industrial area, Current operations at this facility comply with applicable local general plan and noise ordinance requirements.

Noise is defined as unwanted or objectionable sound, and airborne sound can be described as a rapid fluctuation of air pressure above and below the atmospheric pressure. Sound magnitude is expressed in decibels (dB) which are logarithmic (power of 10) ratios comparing measured sound pressures to a reference pressure. The unit of measurement of frequency is Hertz (Hz) (defined as one vibration per second). The human ear responds to sounds with frequencies in the range of 20-20,000 Hz. Most of the sounds we hear in the environment do not consist of a single frequency but rather a broad band of frequencies with each differing in sound level. The method commonly used to quantify environmental sounds consists of evaluating all of the frequencies that comprise a sound in accordance with a weighting system applied to the sound. The weighting reflects the fact that human hearing is less sensitive at low frequencies and extreme high frequencies than in the frequency mid-range. This is called A weighting, and the decibel level so measured is called the A-weighting sound level (dBA).

Because noise levels can vary over a given time period, they are further quantified using the Equivalent Sound Level (L_{eq}). The L_{eq} is an average of the time-varying sound energy for a specified time period. Day-Night Sound Level (L_{dn}) is an average of the time-varying sound energy for one 24-hour period, with a 10 decibel (dB) addition to the sound energy for the time period of 22:00 to 07:00 hours. If the sound energy does not vary with time, the L_{dn} level will be equal to the L_{eq} level plus 6.4 dB.

For Rancho Cucamonga, the maximum allowable noise level of land use category "Heavy Industrial" shall not exceed 85 L_{dn} at the property line (City of Rancho Cucamonga Development Code, Chapter 17.30).

Additional equipment and personnel would be present at the Etiwanda Generation Station during the construction phase of the proposed project. Short-term onsite noise would occur during this period. Construction noise sources would principally be cement trucks and the motors of erection cranes. In addition to the actual construction, there would be worker vehicular trips and other truck trips to the site which would occur when bringing supplies for installing the SCR injection equipment.

Construction noise/groundborne vibration sources will be temporary and will cease following the completion of construction activities. The estimated noise level during

equipment installation is expected to be an average of about 80 dBA at 50 feet from the center of construction activity. This estimate is based on typical noise levels from construction equipment. The closest noise sensitive receptor is ¼ mile north-east of the facility. The noise level at the closest residential receptor is not expected to increase during construction activities. Most of the construction noise sources will be located near ground level, so the noise levels are expected to attenuate further than analyzed here. In addition, construction activities would typically occur during daylight hours.

Operational noise will most likely be associated with vaporizers and blowers required to inject the ammonia into the boiler exhaust stream. This may produce a small increase in propagated broadband (pink) noise energy. The proposed project is expected to have no fundamental effect upon the noise character or levels as measured at the property boundary. The noise level at the property boundary is not expected to increase beyond the present levels. No generation of groundborne vibration or goundborne noise is anticipated for the proposed project. As mentioned above, the closest residence is approximately ¼ mile northeast of the facility. Due to the buildings and vegetation between the source of any potential noise increase and the residence, the proposed project is not expected to adversely affect any sensitive noise receptor.

e) and f) The proposed project in not located within an airport land use plan or in the vicinity of a private airstrip and, therefore would not expose people residing or working in the project area to excessive noise levels.

No significant adverse noise impacts from the implementation of the proposed project are anticipated, and no further analysis of this topic area is required.

3.13 POPULATION AND HOUSING

Would the proposal:	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒
b) Displace substantial numbers of existing housing, necessitating he construction of replacement housing elsewhere?	☐	☐	☒
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	☐	☐	☒

a) The existing Etiwanda Generating Station is located in the City of Rancho Cucamonga, and county of San Bernardino. The estimated population of Rancho Cucamonga in 2000 was 125,585. The existing housing stock in Rancho Cucamonga was 42,065 units, with a

vacancy rate of 7.46 percent. Population per household in Rancho Cucamonga averaged 3.162 residents.

Construction activities for the proposed project would not involve the relocation of individuals, impact housing or commercial facilities, nor change the distribution of the population because the proposed project would occur within an existing industrial facility site. The construction work force, which is temporary, is expected to come from the existing labor pool in the local and surrounding communities. Additionally, the proposed project operation would not require any new permanent employees. Since all construction would occur at an existing industrial facility, displacement of housing of any type is not anticipated, therefore, construction and operation of the proposed project is not expected to have a significant impact on population or housing.

b) and c) The proposed project involves modifications to mechanical equipment at an existing industrial facility. No existing houses or people will be displaced as a result of this project. No construction of replacement housing will be necessary in order to implement the proposed project.

No significant adverse land use impacts from the implementation of the proposed project are anticipated, and no further analysis of this topic area is required.

3.14 PUBLIC SERVICES

	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:			
a) Fire protection?	☐	☒	☐
b) Police protection?	☐	☐	☒
c) Schools?	☐	☐	☒
d) Parks?	☐	☐	☒
e) Other public facilities?	☐	☐	☒

a) and b) Police protection for the Etiwanda Generating Station is provided by the Rancho Cucamonga Police Department. Fire and emergency services are coordinated by the Rancho Cucamonga Fire Department (Fire Department).

One of the services provided to the Etiwanda Generating Station by the police department deals with response to emergency situations. In the event of a major hazardous materials incident (or any other major emergency), it is primarily the responsibility of the Police Department to implement evacuation procedures should they be necessary. However, as noted in the "Hazards" discussion, no significant adverse hazard impacts are expected to be generated by the proposed project. Therefore, no additional demands for police services are anticipated.

The Fire Department has two stations within the city that would respond to all emergencies at the Etiwanda Generating Station. These are located at 11239 Jersey Boulevard and at 12158 Baseline Road. Response time to an emergency at the facility is approximately three minutes.

The Fire Department is well equipped and trained for responding to and dealing with fires, paramedic rescues, and certain types of hazardous materials incidents. In the event that an incident exceeds the scope of the Fire Department capabilities, the local Fire Department contacts the West End Hazardous Materials (Haz Mat) Unit, which is comprised of members from five agencies in the local area. Mutual aid agreements are in effect for this service. Mutual aid occurs at the request of the "Incident Commander". In the event of an incident beyond the scope of the Fire Department, the Incident Commander will determine the nature and extent of the aid to be requested. The aid would be utilized for either emergency mitigation or standby backup.

The Fire Department serves a vital role in transferring information from one emergency response unit to another (e.g., fire, police, California Highway Patrol (CHP), private emergency service or equipment providers, etc.) both prior to and after an accidental release. Emergency response plans and evacuation routes are prepared and coordinated in advance of any emergency by the Fire Department, with development and review of such plans and routes supported by all of the public services involved.

Involvement of Fire Department personnel during a significant hazardous materials incident is typically kept to a minimum unless abatement of the hazards can be accomplished without harmful exposure to fire personnel. Specialized emergency response functions would be made by properly equipped and trained private contractors and /or public agencies such as county or state hazardous materials units. As stated previously, Rancho Cucamonga requests assistance from the West End Hazardous Unit for emergency response during hazardous materials incidents beyond the Fire Department's control.

Construction activities to install SCR equipment at the Etiwanda Generating Station are not expected to result in an increased need for fire response services because construction activities do not involve the transport or handling of acutely hazardous materials. Compliance with state and local fire codes is also expected to minimize the need for additional fire protection services.

Due to the comprehensive nature of emergency response in the Etiwanda area, planning for the transport, storage, and use of aqueous ammonia will have only a small incremental impact on fire or police services. A revised emergency response plan will be submitted to the Fire Department prior to transporting ammonia for the proposed project.

c) Construction activities for the proposed project would not involve the relocation of individuals, impact housing or change the distribution of the population. No increase in the number of permanent workers is expected as part of the proposed project. Thus, the proposed project would not alter existing, or require construction of new schools.

d, e) There would be no increase in the number of employees at the Etiwanda Generating Station due to operation of the proposed project. Therefore, this project would not increase the demand for additional parks, hinder maintenance of public facilities, nor would it create an increase in demand for additional public facilities to maintain acceptable service ratios, response times or other performance objectives for any of the public services.

No significant adverse public services impacts from the implementation of the proposed project are anticipated, and no further analysis of this topic area is required.

3.15 RECREATION

	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
Would the project:			
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☒

a) and b) The City of Rancho Cucamonga currently has 300 acres of parkland, of which 165 acres have been developed.

Recreation facilities in the vicinity of the Etiwanda Generating Station are as follows:

- Red Hill Community Park,
- Bear Gulch Park,

- Church Street Park,
- Coyote Canyon Park,
- Groves Park,
- Hermosa Park,
- Lions Park,
- Old Town Park,
- Spruce Avenue Park,
- West Greenway Park,
- Windrows Park,
- Vintage Park,
- Kenyon Park,
- Ranch Cucamonga Neighborhood Center, and
- Lions Park Community Center.

In addition, the city has an extensive right-of-way along flood control channels for trail purposes (e.g., bicycling, hiking, and equestrian) that are located in the northern portion of the city away from the station site.

The City of Rancho Cucamonga has adopted a parkland standard of five acres per 1,000 population. Based on this standard, the city must increase parkland facilities by 57 percent to achieve the adopted standard.

There is limited recreational open space in the vicinity of the Etiwanda facility. The city is in the development phase of Rancho Cucamonga Central Park, which will be located approximately two miles from the Etiwanda Generating Station. This park will serve a wide variety of recreational interests. It will include a sports complex and provide parkland and open space. Rancho Cucamonga is also aggressively pursuing a reduction of its deficiency in recreational facilities.

The proposed project would not increase the demand on existing neighborhood and regional parks in the area since the project in not expected to increase the local population. In addition, the proposed project does not include construction of new recreational facilities or require the expansion of existing recreational facilities since no increase in local population is expected.

The proposed project will occur within the boundaries of the existing Etiwanda Generating Station. Project activities include the modification of existing mechanical equipment to reduce NO_x emissions. No impacts to recreation are anticipated.

3.16 SOLID & HAZARDOUS WASTES

Would the proposal result in a need for new systems, or substantial alterations to the following:	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
d) Substantially increase the amount or volume of solid or hazardous waste generated?	☐	☐	☒
e) Result in a need for new systems, or substantial alterations to existing solid or hazardous waste disposal facilities?	☐	☐	☒

a) There are currently three Class I (hazardous waste) landfills located in California. The three major Class I landfills in California are:

- Chemical Waste Management, Inc., Kettleman Hills Facility. Located on State Highway 41 about two miles west of Interstate 5 in Kings County. The Class I portion of this landfill has approximately seven million cubic yards remaining capacity of the total permitted capacity of over 10 million cubic yards. The remaining life of this landfill is approximately 25 years. The U.S. EPA Identification number for this facility is CAD000646117.
- Safety Kleen, Inc. Buttonwillow Facility. Located on Lokern Road between State Highways 33 and 58 in Kern County. This facility has approximately 11 million cubic yards remaining capacity of the total permitted capacity of 13 million cubic yards. The U.S. EPA Identification number for this facility is CAD980675276.
- Safety Kleen, Inc. Westmoreland Facility. Located on South Garvey Road off Highway 86 in Imperial County. This facility has approximately 2.5 million cubic yards remaining capacity of the total permitted capacity of 4.8 million cubic yards. The U.S. EPA Identification number for this facility is CAD000633164.

In addition, hazardous waste can be transported to permitted facilities outside California.

Below is a list of the Class II (industrial) or Class III (municipal) landfills in the vicinity of the Project:

- Colton Refuse Disposal Site. Located on Tropicana Rancho Road 0.5 miles West of La Candena in the City of Colton (approximately 15 miles from Etiwanda Generating Station). This facility has approximately 13.2 million cubic yards remaining capacity.

- California Street Landfill. Located at the northernmost end of California Street in the City of Redlands (approximately 20 miles from the Etiwanda Generating Station). The estimated remaining capacity for this facility is 33.5 million cubic yards.

- Fontana Refuse Disposal Site (Mid-valley). Located 0.5 miles north of Highland Avenue and 0.25 miles east of Sierra in the City of Rialto (approximately 10 miles from the Etiwanda Generating Station). The estimated remaining capacity for this facility is 22.9 million cubic yards.

Small volumes of non-hazardous wastes will be generated during project construction. The demolition/construction debris and operations waste would be disposed at either a Class II (industrial) or Class III (municipal) landfill. These small volumes would not be expected to substantially increase the amount or volume of solid or hazardous waste currently generated at the facility or result in a need for new solid or hazardous waste disposal facilities. Further, it is expected that any one of the three landfills identified above could accommodate an increase in solid waste generated by the facility.

b) Project operations will generate small quantities of hazardous wastes, including cleaning solvent and spent SCR catalyst. The solvents are used in small quantities for equipment cleaning and the spent solvents will be managed per the requirements of Title 22 §§ 66260 et seq., which includes storing the material in closed containers within secondary containment. The SCR catalyst normally has a life of three to five years before it needs to be replaced. The used catalyst will be sent offsite to be recycled.

No significant adverse solid or hazardous waste impacts from the implementation of the proposed project are anticipated, and no further analysis of this topic area is required.

3.17 TRANSPORTATION/TRAFFIC

	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
Would the project:			
a) Cause an increased traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?	☐	☒	☐
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated road or highways?	☐	☒	☐
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	☐	☐	☒

d)	Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒
e)	Result in inadequate emergency access?	☐	☐	☒
f)	Result in inadequate parking capacity?	☐	☐	☒
g)	Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	☐	☐	☒

a) and b) The Etiwanda Generating Station is located within the City of Rancho Cucamonga where land is intensively developed. Many local streets and arterials are frequently congested. The California Department of Transportation (CalTrans) provides traffic volume statistics, including those for Interstate 10 and 15 and Route 66, which are major arterials for local transportation within the City of Rancho Cucamonga. These arterials are utilized for the majority of inter-city traffic in the area.

Table 3.6-1 lists traffic volumes for the nearest interchanges along the major traffic routes in the region of the Etiwanda Generating Station. The columns of the table contain the following data:

Peak Hour Counts. The peak hour count is the highest one-hour traffic volume (number of vehicles in both directions) observed during the period counted. This peak value count is used to estimate congestion on a given road. The peak hour count is typically during the evening rush hour period.

Annual ADT (Average Daily Trips). The estimated annual ADTs are computed by extrapolating from available count data compiled by the Department of Transportation. The data for any year are based on the October 1 through September 30 period. These data are used for assessing statewide traffic flows, traffic trends, computing accident rates, and planning and designing highways and highway improvements.

Table. 3.17-1 Selected Traffic Volumes

From Interstate 15	Peak Hour Counts	Annual ADT	From Interstate 10	Peak Hour Counts	Annual ADT
Route 66	10,200	132,000	Ontario/Fourth Avenues	15,000	214,000
Fourth Street	11,500	150,000	Etiwanda Avenue	16,300	186,000
Junction 10	13,300	175,000	Ontario, Jct. I-15	13,700	189,000

Source: http://www.dot.ca.gov/hq/traffops/saferesr/trafdata/1999all.htm

The largest number of daily trips attributable to the proposed project will occur during the short-term (approximately seven months) construction phase. This temporary increase in traffic in the area is associated with construction workers, construction equipment, and the delivery of construction materials. Major arteries would be used to transport materials and construction workers to the site. As a "worst-case" construction phase traffic assessment the peak onsite work force is estimated to include 80 workers during the day shift. Based on an average worker commute distance of 50 miles (25 miles each way), average vehicle miles traveled (VMT) is estimated to peak at approximately 4,000 miles per day (if all 80 workers drive alone). Trips would most likely radiate in all directions, using all of the major arterioles of the area.

The 24-hour traffic count for Etiwanda Avenue, the major access road to the facility, is 16,300. The maximum number of trips during peak construction period would be 80 trips. The temporary increase of construction traffic along Etiwanda Avenue represents a 0.5 percent increase, significantly below the SCAQMD's significance criteria of an increase of the volume to capacity ratio of two percent or more.

No additional employees will be added to the operation of the Etiwanda Generating Station due the SCR project. Therefore no increase in the number of workers or worker-related vehicles is expected due to operation of the proposed project. The additional aqueous ammonia deliveries (an estimated maximum of six-eight per month) during operation would also be less than a two percent increase of the volume to capacity ratio of Etiwanda Avenue.

c) The proposed project is not within the vicinity of a public or private airport and would not alter the existing air traffic patterns. Further, the proposed project does not involve shipping any materials by air so there would be no increase in air safety risks.

d) and g) The proposed project includes modifications to existing equipment that would require construction within the boundaries of the existing Etiwanda Generating Station that currently uses aqueous ammonia and SCR technology. The proposed project does not include any components that would substantially increase hazards due to any transportation design feature or incompatible use or conflict with adopted policies, plans or programs supporting alternative transportation.

e) and f) The proposed project would be constructed within the boundaries of the existing Etiwanda Generating Station and would not alter the existing emergency access or result in inadequate parking capacity.

No significant adverse traffic impacts from the implementation of the proposed project are anticipated, and no further analysis of this topic area is required.

3.18 MANDATORY FINDINGS OF SIGNIFICANCE

	Potentially Significant Impact	Less-Than-Significant Impact	No Impact
a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	☐	☐	☒
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☐	☒
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☒

a) The proposed project includes modifications to mechanical equipment within the existing Etiwanda Generating Station. The modifications include the installation of SCR equipment to comply with Regulation XX NO_x reduction requirements, which will improve air quality through the reduction of NO_x emissions from Units 1 and 2. The proposed project is located within a highly industrial area and will not reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important elements of history or prehistory.

b) The project will be cumulatively beneficial to local air quality by substantially reducing NO_x emissions from Units 1 and Unit 2. Regional benefits will also occur as a result of reducing NO_x emissions because NO_x contributes to ozone and the formation of

PM_{10}. The proposed project will not result in cumulatively considerable adverse impacts due to the short duration of construction and the long-term air quality benefits.

b) The transportation, storage, and use of aqueous ammonia for this project has potentially significant impacts to the environment and humans in the event of an accidental release. The proposed project will include conditions, which are included in the project description, that reduce the probability of an accidental release and reduce the impacts of a release if one were to occur. As detailed in the hazards and hazardous materials section, the use, transportation and storage of aqueous ammonia impacts of the project are less than significant.

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APPENDIX A

Tier 4 Health Risk Assessment

Rule 212 and 1401 Health Risk Assessment, Tier 4 Analysis

Note 1: Emission rates from PTE/permitted calculations
Note 2: Unit risk factors, REL, and MP values from Table 8A (Risk Assessment Procedures, August 18, 2000).
Note 3: Target Organs by TAC from Tables 10-A & 10-B (Risk Assessment Procedures).
Note 4: GLC values obtained via ISCST3 modeling (micrograms/cubic meter) for a unit emission rate (1 gram/second).

Substance Name	Ann Avg g/sec	Hr Max g/sec	GLC Res $(ug/m^3)/(g/sec)$	GLC Ind $(ug/m^3)/(g/sec)$	GLC Max $(ug/m^3)/(g/sec$	URV $(ug/m^3)^{-1}$	Chronic REL ug/m^3	Acute REL ug/m^3	Cancer Multipath	MICR Residential	MICR Industrial	Chronic Hazard Index	Acute Hazard Index
Ammonia	1.35686	1.76391	0.40617	0.27271	10.25398		2.00E+02	3.20E+03		-	-	2.76E-03	5.65E-03
									TOTAL RISK:	0.00E+00	0.00E+00	0.0028	0.0057
												w/o Acrolein	0.0057

TOTAL CHRONIC HAZARD INDEX PER ORGAN

System	HIC
CV/BL	0.00000
CNS/PNS	0.00000
IMMUN	0.00000
ENDO	0.00000
EYE	0.00000
KIDN	0.00000
GI/LV	0.00000
REPR	0.00000
RESP	0.00276
SKIN	0.00000

TOTAL ACUTE HAZARD INDEX PER ORGAN

System	HIA
CV/BL	0.00000
CNS/PNS	0.00000
EYE	0.00565
IMMUN	0.00000
KIDN	0.00000
GI/LV	0.00000
REPR	0.00000
RESP	0.00565
SKIN	0.00000

Acute and Chronic Hazard Index Target Organs

Substance Name	CHRONIC CV/BL	CHRONIC CNS/PNS	CHRONIC IMMUN	CHRONIC ENDO	CHRONIC EYE	CHRONIC KIDN	CHRONIC GI/LV	CHRONIC REPR	CHRONI RESP	CHRONIC SKIN
Ammonia									1	

Acute and Chronic Hazard Index Target Organs (Cont.)

Substance Name	ACUTE CV/BL	ACUTE CNS/PNS	ACUTE EYE	ACUTE IMMUN	ACUTE KIDN	ACUTE GI/LV	ACUTE REPR	ACUTE RESP	ACUTE SKIN
Ammonia			1					1	

SOIL MANAGEMENT PLAN
PROJECT CONSTRUCTION
SCE GRAPELAND PEAKER PROJECT
RANCHO CUCAMONGA, CALIFORNIA

February 2007

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PROJECT CONSTRUCTION
SCE GRAPELAND PEAKER PROJECT
RANCHO CUCAMONGA, CALIFORNIA

INTRODUCTION

This Soil Management Plan (SMP) was developed to provide guidance to workers conducting soil disturbing activities at the subject site. The Grapeland Peaker Project site is located immediately west of the Reliant Etiwanda Generating Station. The generating station address is 8996 Etiwanda Avenue, Rancho Cucamonga, in San Bernardino County, California. A map of the area surrounding the project site is attached as Figure 1. This plan is being prepared in accordance with a request from the California EPA Department of Toxic Substances Control (DTSC), Southern California Permitting and Corrective Action Branch. Because the proposed project is located on land that is subject to Resource Conservation and Recovery Act (RCRA) Corrective Action, DTSC has requested that SCE prepare a plan for properly dealing with potentially hazardous substances or waste, in the event it is discovered during soil disturbance activities. SCE has conducted a site investigation to determine whether hazardous substances are present at the site. The scope and results of that investigation are outlined below. This plan will outline the steps to be taken in the event unexpected potentially hazardous substances in soil are encountered during grading or trenching. This plan includes the following:

- Organization of responsibility
- Awareness training of construction personnel prior to soil disturbing activities
- Monitoring
- Reporting responsibilities in the event potentially contaminated material is encountered
- Identification of an environmental response contractor
- Removal and stockpiling of potentially contaminated material
- Sampling and environmental testing protocols
- Identification of licensed treatment, storage and disposal facilities
- Procedures for proper disposal of materials determined to be hazardous

The proposed peaker plant site layout is shown on Figure 2. The soil beneath the peaker unit will be removed to an approximate depth of five feet below grade, and then replaced and re-compacted. The area of the proposed substation may also require the placement of an engineered fill,

similar to the peaker unit. Trenching for placement of natural gas lines is expected in the Meter Box area. The equipment laydown area, construction trailers, and parking area to the west of the peaker unit will only be graded surficially, to remove surface vegetation, and then covered with gravel base material.

Major excavation activities are scheduled to take approximately three weeks. Site preparation for the laydown area, access roads, construction trailers and parking are scheduled the first week. Soil removal for the engineered fill in the power plant area is scheduled for weeks two and three. Additional trenching and excavations are planned throughout the proposed ten week construction schedule. The majority of trenching will occur within the power plant area, subsequent to engineered fill placement. The only significant trenching outside of the power plant area is for utilities that will be routed to the site from 6th Street, along an existing access road.

Findings of SCE Investigation

SCE investigated soil in the area beneath the proposed project elements, to a depth of five feet, the maximum proposed depth of excavation for grading. The site investigation was conducted in accordance with the work plan entitled, "Soil Investigation Work Plan, Grapeland Peaker Project, Rancho Cucamonga, California", dated February 2, 2007. The work plan called for surface sampling only, in the laydown, construction trailer and parking areas, with samples collected at the surface and five feet in the remaining areas. During the field investigation, the decision was made to sample both at the surface and at a depth of five feet in all borings. Based on historic site uses and in consultation with DTSC personnel, the chemicals of concern were determined to be pesticides and metals.

Analytical results for metal and pesticide detections are summarized in Table 1.

SOIL MANAGEMENT PROTOCOL

Organization Of Responsibility

The SCE RCRA Corrective Action Project Manager, Randy Weidner, has overall responsibility for preparation and implementation of this Soil Management Plan (SMP). Mr. Weidner will be responsible for the following:

- Communicating the elements of the plan to the grading contractor prior to initiation of work
- Providing for a on-site monitor with sufficient training and experience to evaluate whether soil might be contaminated
- Provide contact information to the monitor, in the event potentially contaminated soil is encountered
- Have licensed Hazardous Materials removal contractors on-call to respond to potentially contaminated material, if encountered
- Provide for the proper testing, characterization, and disposal of soil that is determined to be hazardous

Communication

Prior to initiation of construction, a meeting will be held on-site, to communicate the plan, responsibilities, and contact information, in the event potentially contaminated soil is encountered. This information will be communicated to all personnel working on the site during grading and trenching, including SCE and contractor Construction Managers, and equipment operators. The SMP is part of an overall plan for environmental monitoring which is required by the South Coast Air Quality Management District (SCAQMD) Permit To Construct. Biological and Cultural Resource Monitoring, as well as Air Quality Monitoring are part of the Mitigation Plan for construction. A copy of the SCAQMD Monitoring Plan is included in the Appendix. A Daily Mitigation Monitoring checklist will be employed to record monitoring activities, observations, actions, etc. A copy of this document is also included in the Appendix.

Monitoring

The SCE Construction Site Representative (CSR) will have overall responsibility for monitoring grading activities. The CSR will have monitoring support during critical grading and trenching activities. This monitoring support will be provided by the SCE Power Production Department Geotechnical Group. Members of the Geotechnical Group have 40-hour Hazardous Waster Operations training, as well as experience working with hazardous substances in soil. The equipment operators will also be trained in advance to stop excavation and report suspicious looking soil to the CSR. If potentially contaminated soil is encountered, the CSR will stop further excavation at that location and immediately report his findings to Randy Weidner. Contact information for Mr. Weidner is provided in the following section.

Response Contractor

Clean Harbors Environmental Services is under contract with SCE to provide company-wide hazardous and non-hazardous waste handling services. All Clean Harbors activities are coordinated through SCE's Supply Chain Management Department. Initial contact and request for services will be with the SMP Project Manager, Randy Weidner. His contact information is provided below:

Randy Weidner
SCE Environment, Health & Safety
Office: 626-302-4033
Cell: 626-253-2401

Randy Weidner will then contact the following person to initiate the response activities from Clean Harbors:

- Beverly McCormick
  SCE Supply Chain Management Department
  626-814-4214

Following is specific Clean Harbors contact information:

- Clean Harbors Environmental Services, Inc.
  5756 Alba Street
  Los Angeles, CA 90058
  323-277-2500
  Contact: Greg Moran or Sara Duvall

Alternate response contractors capable of responding to SCE's needs are:

- Advanced Cleanup Technologies, Inc.
  12345 La Cadena Drive
  Colton, CA 92324
  800-334-2284

- Mayfield Enterprises, Inc.
  11735 Shoemaker Avenue
  Santa Fe Springs, CA 90670
  562-944-9480

The environmental response contractor will be instructed to excavate and transport the potentially contaminated material to a remote, downwind area of the active site, place it on impermeable plastic material, and place

a plastic cover over it. The edges of the cover material will be anchored to keep it in place. All excavation will be conducted in accordance with the response contractor's health and safety plan for excavation of contaminated soil. Health and safety measures will include monitoring for Volatile Organic Compounds (VOCs) and dust, and proper procedures for worker PPE and equipment decontamination.

Analytical Testing

Representative soil samples will be collected from the potentially contaminated soil pile for characterization. Soil samples will be collected at a rate of one sample for every fifty cubic yards of material, but no less than three samples for smaller volumes. Samples will be tested for the appropriate analytes required by the California Code of Regulations, Title 22, in order to determine the proper waste disposal profile. Sample collection, labeling, preservation and transportation to the analytical laboratory, will be conducted in accordance with the DTSC-approved 2003 Basin Project Sampling and Analysis Plan. Analysis will be conducted by the Basin Project environmental laboratory, Weck Laboratories, Inc., located in City of Industry, California. Treatment and/or disposal may include thermal desorption of petroleum hydrocarbon contaminated soil, non-RCRA, or RCRA disposal.

Waste Disposal

Any non-hazardous petroleum contaminated soil, hazardous soils, or other materials will be properly disposed via the SCE Centralized Hazardous Waste Management System. SCE has a contract with Clean Harbors Environmental Services, Inc., to provide transportation and disposal of all wastes the Company generates. Non-hazardous petroleum hydrocarbon waste is recycled through Clean Harbors, at either TPS Technologies, Inc., or American Remedial Technologies, Inc. Pertinent information for these facilities follows:

- TPS Technologies, Inc.
  12328 Hibiscus Road
  Adelanto, CA 92301
  760-246-8001

- American Remedial Technologies, Inc.
  2680 Seminole Avenue
  Lynwood, CA 90262
  323-357-1900

Non-RCRA and RCRA hazardous waste is transported and disposed at the Clean Harbors facility in Buttonwillow, California. Clean Harbors performs the waste material profiling for acceptance at the disposal facility, generates the proper Uniform Hazardous Waste Manifest, and arranges for loading and transport to the facility. Following is specific facility information:

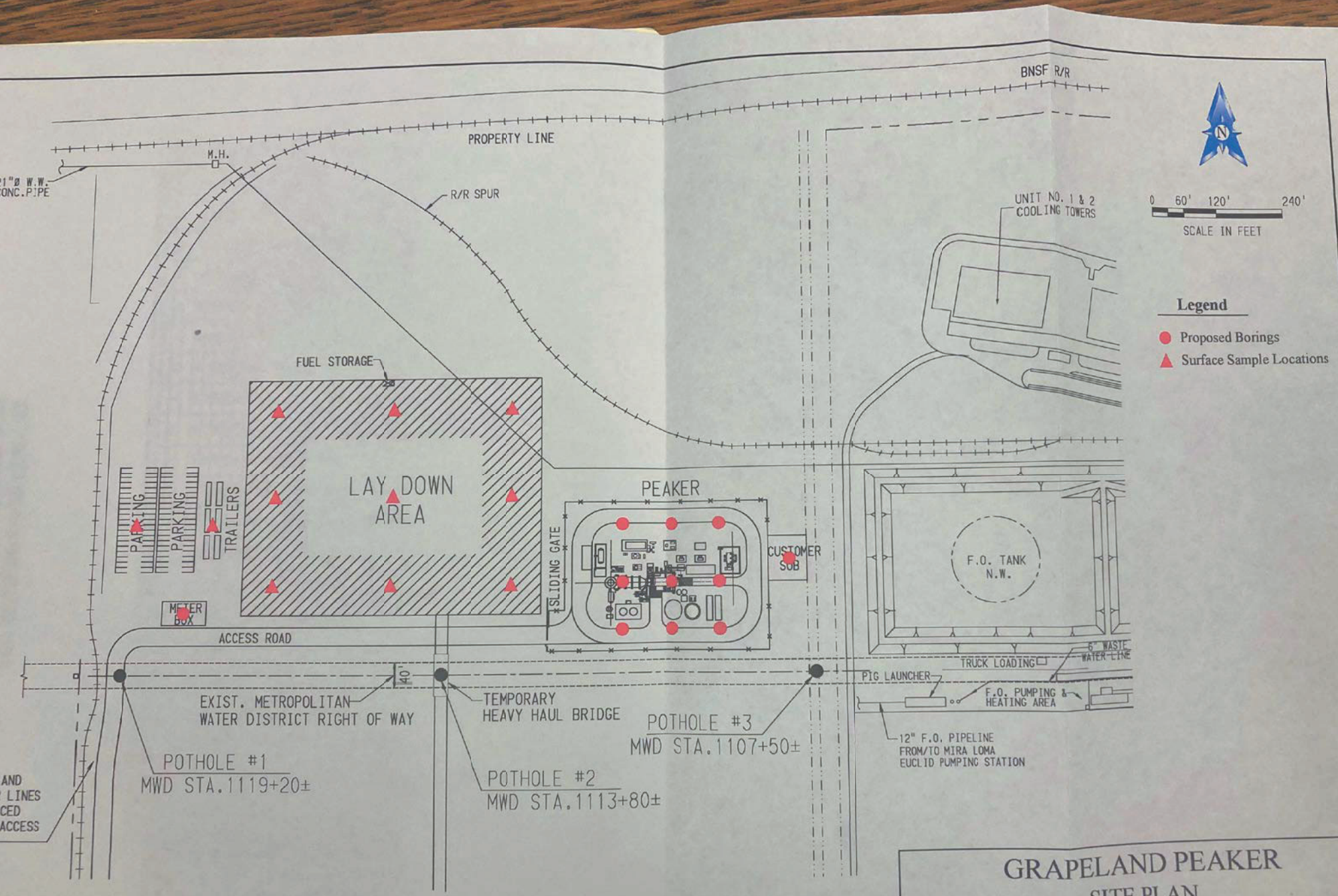
- Clean Harbors, Buttonwillow, LLC
  2500 West Lokern Road
  Buttonwillow, CA 93206
  661-762-6200
  EPA ID#: CAD980675276

Reporting

In the event potentially contaminated soil is encountered, the DTSC Permitting and Corrective Action Branch Project Manager for the Etiwanda Generating Station Basin Closure Project will be notified by Randy Weidner. The DTSC Project Manager will be kept informed of significant activities such as waste excavation, testing results, and disposal decisions. A report of the activities associated with the removal action, analytical testing, transport and disposal of the soil will be submitted to DTSC within thirty days after the end of activities. All waste manifests generated will be included in the report.



FIGURE 1
SITE VICINITY MAP



GRAPELAND PEAKER
SITE PLAN

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

FIGURE 2

TABLE 1

GRAPELAND PEAKER PROJECT
SOIL INVESTIGATION RESULTS

			GP1-1	GP1-2	GP2-1	GP2-2	GP3-1	GP3-2	GP4-1	GP4-2	GP5-1	GP5-2	GP6-1	GP6-2	GP7-1	GP7-2	GP8-1	GP8-2	GP9-1	GP9-2	GP10-1	GP10-2	GP11-1	GP11-2
		Depth	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5
Parameter	PQL	Units																						
Antimony	0.50	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	0.5	mg/kg	1.7	1.3	1.5	1.4	1.8	1.2	1.7	1.1	1.7	0.91	1.4	1.3	1.5	1.3	1.6	1.4	1.5	1.5	1.7	1.6	1.6	1.2
Barium	1	mg/kg	120	160	150	160	160	150	130	130	190	86	150	130	120	140	220	140	180	170	180	170	160	130
Beryllium	0.10	mg/kg	0.32	0.41	0.36	0.43	0.48	0.40	0.36	0.36	0.49	0.27	0.40	0.40	0.37	0.42	0.59	0.45	0.50	0.53	0.50	0.51	0.46	0.40
Cadmium	0.10	mg/kg	0.21	ND	0.22	ND	0.28	ND	0.22	ND	0.21	ND	0.21	ND	0.23	ND	0.26	ND	0.24	0.21	0.24	0.23	0.25	ND
Total Chromium	1	mg/kg	19	21	24	23	24	21	19	18	25	14	22	20	21	23	26	19	24	25	26	25	23	20
Cobalt	0.2	mg/kg	7.4	9.2	9.0	9.6	9.4	8.6	7.6	7.8	10.0	5.7	9.3	8.3	8.5	9.0	12.0	8.6	11.0	11.0	11.0	11.0	9.7	8.6
Copper	1	mg/kg	18	18	22	19	23	17	18	14	22	10	19	16	19	17	24	24	22	23	24	23	22	17
Lead	0.5	mg/kg	8.7	4.6	7.8	4.9	9.6	4.3	8.4	3.7	6.3	3.3	6.0	4.6	8.5	4.6	6.8	4.7	6.6	5.5	7.6	5.6	6.4	4.3
Mercury	0.010	mg/kg	ND	ND	0.010	ND	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012	ND	0.011	ND	0.010	ND	ND	ND
Molybdenum	0.20	mg/kg	0.28	0.26	0.38	0.25	0.36	0.24	0.27	0.23	0.32	0.16	0.29	0.23	0.34	0.24	0.36	0.30	0.30	0.30	0.34	0.34	0.32	0.25
Nickel	1	mg/kg	15	14	19	14	19	13	16	11	16	9	15	13	18	14	18	14	17	17	18	17	17	13
Selenium	0.50	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.10	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND	ND
Thallium	0.50	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	5	mg/kg	57	54	58	57	63	52	55	50	64	41	56	53	53	55	65	52	60	61	61	60	60	51
Zinc	5	mg/kg	71	68	75	66	88	64	70	54	76	40	67	58	72	64	90	57	79	72	80	69	72	58
4-4'-DDE	2.5	ug/kg	12	ND	13	ND	48	ND	4.1	ND	ND	ND	6.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-4'-DDT	2.5	ug/kg	8.3	ND	5.5	ND	6.2	ND	6.3	ND	ND	ND	4.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 1

GRAPELAND PEAKER PROJECT
SOIL INVESTIGATION RESULTS

			GP12-1	GP12-2	GP13-1	GP13-2	GP14-1	GP14-2	GP15-1	GP15-2	GP16-1	GP16-2	GP17-1	GP17-2	GP18-1	GP18-2	GP19-1	GP19-2	GP20-1	GP20-2	GP21-1	GP21-2	GP22-1	GP22-2
		Depth	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5	0.5	5
Parameter	PQL	Units																						
Antimony	0.50	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.54	ND	ND	ND
Arsenic	0.5	mg/kg	1.3	1.4	1.5	1.1	1.2	1.8	1.2	1.7	1.1	1.5	1.4	1.2	1.4	1.4	1.4	1.3	1.3	0.64	1.7	1.1	1.0	1.1
Barium	1	mg/kg	140	190	170	200	90	68	93	79	88	73	150	110	160	180	160	210	110	84	110	130	100	120
Beryllium	0.10	mg/kg	0.41	0.49	0.49	0.44	0.32	0.34	0.33	0.34	0.33	0.34	0.42	0.35	0.42	0.49	0.44	0.54	0.32	0.22	0.37	0.35	0.27	0.38
Cadmium	0.10	mg/kg	ND	0.20	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20	0.29	ND	0.56	ND	ND	ND
Total Chromium	1	mg/kg	21	22	24	21	16	12	14	11	14	11	22	16	22	24	22	23	20	13	28	20	15	19
Cobalt	0.2	mg/kg	8.9	10.0	9.8	9.7	6.0	5.2	6.1	5.0	6.7	4.9	11.0	7.2	9.3	10.0	9.2	11.0	7.1	4.9	7.9	8.1	6.5	7.8
Copper	1	mg/kg	18	21	23	19	12	6.7	10	6.2	9.9	5.8	19	12	19	20	20	21	17	9.7	29	15	11	15
Lead	0.6	mg/kg	4.8	5.8	5.7	4.3	6.5	2.7	3.0	2.6	3.2	2.4	5.9	3.5	5.6	5.3	5.8	5.1	13.0	2.2	35.0	3.6	5.5	3.6
Mercury	0.010	mg/kg	ND	ND	0.012	ND	ND	ND	ND	0.017	0.022	ND	0.012	ND	0.010	0.012	ND	ND	ND	ND	0.019	ND	ND	ND
Molybdenum	0.20	mg/kg	0.28	0.27	0.34	0.30	0.24	0.12	0.17	0.14	0.21	0.12	0.32	0.22	0.28	0.26	0.30	0.25	0.41	0.16	0.88	0.23	0.23	0.20
Nickel	1	mg/kg	14	15	16	14	11	7.6	9.2	7.3	8.7	6.8	16	10	15	15	15	15	16	8.3	23	12	9.6	12
Selenium	0.50	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	0.10	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	0.50	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	5	mg/kg	54	58	58	58	46	43	44	43	44	43	54	48	53	60	55	59	52	33	59	52	46	49
Zinc	5	mg/kg	63	70	70	65	54	33	40	31	39	29	66	46	64	70	67	74	91	35	170	53	50	50
4-4'-DDE	2.5	ug/kg	3.2	ND	ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	54	ND	28	ND	12	ND
4-4'-DDT	2.5	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	ND	15	ND	3.7	ND

TABLE 1

GRAPELAND PEAKER PROJECT
SOIL INVESTIGATION RESULTS

Parameter	PQL	Units	Maximum	Average	Median
Antimony	0.50	mg/kg	0.54	0.52	0.52
Arsenic	0.5	mg/kg	1.8	1.4	1.4
Barium	1	mg/kg	220	136	140
Beryllium	0.10	mg/kg	0.59	0.40	0.40
Cadmium	0.10	mg/kg	0.56	0.24	0.22
Total Chromium	1	mg/kg	28	20	21
Cobalt	0.2	mg/kg	12.0	8.3	8.8
Copper	1	mg/kg	29	17	18
Lead	0.5	mg/kg	35.0	6.0	5.3
Mercury	0.010	mg/kg	0.02	0.01	0.01
Molybdenum	0.20	mg/kg	0.88	0.28	0.27
Nickel	1	mg/kg	23	14	14
Selenium	0.50	mg/kg	ND	ND	ND
Silver	0.10	mg/kg	0.11	0.11	0.11
Thallium	0.50	mg/kg	ND	ND	ND
Vanadium	5	mg/kg	65	52	54
Zinc	5	mg/kg	170	63	66
4-4'-DDE	2.5	ug/kg	54	17	12
4-4'-DDT	2.5	ug/kg	23	8	6

APPENDIX

MITIGATED NEGATIVE DECLARATION FOR:

SOUTHERN CALIFORNIA EDISON ETIWANDA PEAKER PROJECT IN RANCHO CUCAMONGA

ATTACHMENT 1 - MITIGATION MONITORING AND REPORTING PLAN

Introduction

Summary Of The Proposed Project

Significant Adverse Impacts Which Can Be Reduced Below A Significant Level

Significant Adverse Impacts Which Cannot Be Reduced Below A Significant Level

Mitigation Monitoring And Reporting Plan

- Air Quality
- Biology
- Cultural Resources
- Hazards
- Noise
- Traffic/Transportation

Conclusion

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1.0 INTRODUCTION

Southern California Edison (SCE) is proposing to construct and operate an LM6000 combustion turbine electric generation peaking unit along with an emergency black start generator at the Etiwanda Project Site at 12206 6th Street in the City of Rancho Cucamonga. In addition to the proposed Etiwanda peaking unit and black start generator, SCE is also proposing to install three additional LM6000 combustion turbine electric generation peaking units and black start generators at three geographically separated sites within the South Coast Air Basin as follows: the Mira Loma Project Site at 13568B Milliken Avenue in the City of Ontario, the Center Project Site at 10639 Firestone Boulevard in the City of Norwalk, and the Barre Project Site at 10670 Dale Avenue in the City of Stanton. Each of the four proposed peaking facilities is considered a separate project.

Pursuant to CEQA Guidelines §15070 et seq., the South Coast Air Quality Management District (SCAQMD) prepared a Draft Mitigated Negative Declaration (MND) for the Southern California Edison [Etiwanda] Peaker Project and distributed a Notice of Intent to adopt the Draft MND (CEQA Guidelines §15072) to responsible public agencies and interested parties for review and comment. The Draft MND was distributed for a 30-day public review and comment period beginning on December 27, 2006, and ending on January 25, 2007. One comment letter was received from a state agency relative to the Draft MND. After the close of the public comment period, responses were prepared for comments received and incorporated in the document such that it is now a Final MND. The Final MND will be considered for certification by the SCAQMD's decision making body.

There are potentially significant adverse impacts to the air quality, biology, cultural resources, hazards, noise and traffic/transportation resource areas associated with construction and operation of the proposed project. There are also potentially significant adverse cumulative impacts for NO_x and VOC emissions during overlapping construction periods of the four proposed SCE projects. All significant adverse impacts, however, can be mitigated to less than significant levels.

Pursuant to CEQA Guidelines §15075(b) the Notice of Determination prepared for a MND project that has identified potentially significant effects that would be mitigated to a point where no significant effects would occur must include a statement indicating whether mitigation measures were made a condition of the approval of the project. Further, when changes or alterations have been required in, or incorporated into, a project that mitigate or avoid the significant effects, the public agency is required to adopt a Mitigation Monitoring and Reporting Plan (CEQA Guidelines § 15097) for the changes made, in order to ensure compliance during project implementation.

The following sections of this document describe the proposed project and identify the significant adverse impacts that can be mitigated to below a significant level. Since all significant adverse effects can be mitigated to less than significant levels as identified in the Final MND and the Mitigation Monitoring and Reporting Plan, a Statement of Findings and a Statement of Overriding Considerations are not required for this project.

2.0 SUMMARY OF THE PROPOSED PROJECT

On August 15, 2006, the California Public Utilities Commission (CPUC) issued an Assigned Commissioner's Ruling (ACR) (CPUC 2006) addressing electric reliability needs in Southern California for summer 2007. Commissioner Michael Peevey stated:

> "In light of recent events, I find it is necessary to take additional action. The heat storm that hit California in July 2006, and the surprising growth in electricity demand throughout the state that had become evident even before the heat storm, have exposed certain vulnerabilities in the electric generation and transmission infrastructure that require immediate attention to assure reliability in 2007, particularly in parts of southern California. Accordingly … I direct Southern California Edison Company (SCE) to expand its Air Conditioning Cycling Program … to target an additional 300 megawatts (MW) of program capacity for the summer 2007 season. In addition, SCE should pursue the development and installation of up to 250 MW of black-start, dispatchable generation capacity within its service territory for summer 2007 operation."

The August 15, 2006 ACR also included reference to the California Independent System Operator's (CAISO) August 9, 2006 letter to the CPUC "… urge[ing] the CPUC to direct the state's investor-owned utilities … to solicit a combination of quick-start generation and demand response opportunities that can be developed over the next six to 12 months to increase available supply at the peak hours and enhance grid reliability."

To implement this directive, SCE is taking steps to install four separate peaker generator projects at four locations within the jurisdiction of the SCAQMD at strategically selected sites that will enhance the voltage and frequency support to promote reliability of the electric grid system in southern California.

Each of the proposed peaker projects will also increase the electrical supply for local communities in each region of the electrical grid where they will be located, thereby providing critical electrical services to support the electrical voltage and frequency of the electric grid in the subregion where the proposed project's peaker is located. Unlike large power plants, which can be constructed in remote locations and connected to the statewide grid at very high voltages, a peaker unit will be connected to the lower-voltage distribution grid and will be used to supply electricity and to keep local distribution voltages up at normal levels at times of system strain or imbalance, such as during periods of prolonged high demand or when a high-voltage transmission line goes out of service or a generator unexpectedly goes offline. Without this unique electric grid system support, when severe electric grid imbalances or system strain occurs during extremely high periods of electric demand, a series of "cascading blackouts" can occur, leaving much or all of the southern California electrical grid system without power.

The main project facilities will include one natural gas-fired General Electric (GE) LM6000 gas turbine generator, an 80-foot tall exhaust stack, a 10,500-gallon aqueous ammonia storage tank, fuel gas supply line, fuel gas compressor, water supply line, water demineralizer, water storage tanks, transmission transformers, 66-kilovolt (kV) transmission tap line, one natural gas-fired black-start generator, and a facility control building.

3.0 SIGNIFICANT ADVERSE IMPACTS WHICH CAN BE REDUCED BELOW THE SIGNIFICANT LEVEL

The Final MND identified potentially significant adverse impacts to six environmental topic areas that can be reduced to a level of insignificance: 1) potentially significant adverse air quality impacts from NO_x and VOC emissions associated with construction; 2) potentially significant adverse impacts to biological resources associated with construction; 3) potentially significant adverse impacts to cultural resources associated with construction; 4) potentially significant adverse hazard impacts associated with construction; 5) potentially significant adverse noise impacts associated with construction; and 6) potentially significant adverse impacts to traffic and transportation associated with pipeline construction. Impacts to all other environmental topic areas on the environmental checklist (Chapter 2 of the MND) were concluded to be less than significant.

3.1 AIR QUALITY

Unmitigated NO_x emissions from the proposed Etiwanda Peaker Project exceed the construction NO_x emissions significance threshold of 100 pounds per day. The construction NO_x emissions will be mitigated by purchasing RECLAIM Trading Credits (RTCs) or the equivalent from an acceptable SCAQMD emission credit protocol or regulation for every pound of NO_x emissions in excess of the threshold for each day of the construction period during the project. This proposed project is also cumulatively significant with the three other peaker power plant projects that the applicant proposes to construct concurrently. As a result, to ensure that significant adverse cumulative regional impacts do not occur, the applicant will purchase sufficient RTCs or the equivalent to reduce the mitigated NO_x construction emissions from this project to 24 pounds per day during periods that all four projects are under construction, so that the cumulative NO_x construction emissions from all four projects combined do not exceed the 100-pound per day significance threshold.

Project-specific construction VOC emissions will not exceed the significance threshold for the Etiwanda Peaker Project or for any of the other three individual projects during the construction period; however, these emissions will cumulatively exceed the CEQA significance threshold during the worst-case emission period. The peak cumulative VOC emissions period for all four projects is estimated to occur during the fourth two-week construction period. The cumulative construction VOC emissions will be mitigated by purchasing Mobile Source Emission Reduction Credits (MSERCs) or equivalent from an acceptable SCAQMD emission credit protocol or regulation for every pound of VOC emissions in excess of the significance threshold for each day of the construction period.

To mitigate the potential impact to a level of insignificance, SCE will implement the following mitigation measures:

AQ-1 The area disturbed by clearing, grading, earth moving, or excavation operations shall be minimized to prevent excessive amounts of dust.

AQ-2 Pre-grading/excavation activities shall include watering the area to be graded or excavated before commencement of grading or excavation operations. Application of water (preferably reclaimed, if available) should penetrate sufficiently to minimize fugitive dust during grading activities.

AQ-3 Fugitive dust produced during grading, excavation, and construction activities shall be controlled by the following activities:

a) Although not anticipated, if soil is hauled offsite, all trucks shall be required to cover their loads as required by California Vehicle Code §23114.

b) All graded and excavated material, exposed soil areas, and active portions of the construction site, including unpaved on-site roadways, shall be treated to prevent fugitive dust. Treatment shall include, but not necessarily be limited to, periodic watering, application of environmentally-safe soil stabilization materials, and/or roll-compaction as appropriate. Watering shall be done as often as necessary and reclaimed water shall be used whenever possible.

AQ-4 Graded and/or excavated inactive areas of the construction site shall be monitored by SCE's construction contractor at least daily for dust stabilization. Soil stabilization methods, such as water and roll-compaction, and environmentally-safe dust control materials, shall be periodically applied to portions of the construction site that are inactive for over four days. If no further grading or excavation operations are planned for the area, the area should be seeded and watered until grass growth is evident, or periodically treated with environmentally-safe dust suppressants, to prevent excessive fugitive dust.

AQ-5 Signs shall be posted on-site limiting traffic to 15 miles per hour or less.

AQ-6 During periods of high winds (i.e., spontaneous wind gusts equal to or exceeding 25 miles per hour), all clearing, grading, earth moving, and excavation operations shall be curtailed to prevent fugitive dust created by on-site activities and operations from being a nuisance or hazard, either off-site or on-site.

AQ-7 Adjacent streets and roads shall be swept at least once per day, preferably at the end of the day, if visible soil material is carried over to adjacent streets and roads.

AQ-8 Personnel involved in grading operations, including contractors and subcontractors, should be advised to wear respiratory protection in accordance with California Division of Occupational Safety and Health regulations.

AQ-9 Equipment idling time shall not exceed five minutes.

AQ-10 Equipment engines shall be maintained in good condition and in proper tune as per manufacturers' specifications.

AQ-11 Alternatively fueled construction equipment, such as compressed natural gas (CNG), liquefied natural gas (LNG), or electric, or equipment meeting Tier 2 standards, shall be used, if available.

AQ-12 SCE will maintain records demonstrating that watering is conducted routinely during construction activities.

AQ-13 To the extent possible, SCE will adjust its construction schedule to reduce the number and/or intensity of high-emitting construction activity emissions occurring on the same day.

AQ-14 SCE will provide NO_x RTCs to offset any remaining project construction emissions in an amount sufficient to mitigate actual NO_x construction emissions to 24 pounds or less during each day of the construction period when the four projects' cumulative NO_x emissions exceed the significance threshold. The total RTCs required to mitigate this project are expected to be 4,028 pounds minus any emissions avoided by construction schedule adjustment. RTCs must be purchased in the full amount prior to starting construction.

AQ-15 SCE will provide VOC MSERCs to offset any remaining project construction emissions in an amount sufficient to mitigate actual VOC construction emissions to less than 75 pounds per day for all four peaker projects. The total MSERCs required to mitigate this project are expected to be 458 pounds minus any emissions avoided by construction schedule adjustment.

3.2 BIOLOGY

Construction will disturb the project area by clearing, grading, earth moving, or excavation operations. As a result, vegetation and animal habitats could be damaged.

To mitigate the potential impact to a level of insignificance, SCE will implement the following measures:

BIO-1 A qualified biological monitor will be present at the start of construction to relocate any found Los Angeles pocket mice and flag potential Los Angeles pocket mouse burrows, which will be avoided to the greatest extent possible during construction.

BIO-2 A qualified biologist will conduct a pre-construction survey of the project area prior to grubbing or grading activity. If occupied nests of protected birds are observed within the construction zone, a minimum buffer of 100 feet will be established between the nest and limits of construction. Additionally, the construction crew will avoid activities within the buffer zone until the bird nest(s) is/are no longer occupied, per a subsequent survey by the qualified biologist.

3.3 CULTURAL RESOURCES

While the likelihood of encountering cultural resources is low, there is still a potential that additional buried archaeological resources may exist, and such resources conceivably could be adversely affected by ground disturbance associated with construction of the proposed project. Any such impact would be considered significant, but would be reduced to less-than-significant with implementation of identified mitigation measures in the event that unexpected sub-surface resources were encountered.

To mitigate the potential impact to a level of insignificance, SCE will implement the following measures:

CU-1: Conduct a cultural resources orientation for construction workers involved in excavation activities. This orientation will show the workers how to identify the kinds of cultural resources that might be encountered, and what steps to take if this occurred.

CU-2: Monitoring of subsurface earth disturbance by a professional archaeologist and a Gabrielino representative if cultural resources are exposed during construction.

CU-3: Provide the archaeological monitor with the authority to temporarily halt or redirect earth disturbance work in the vicinity of cultural resources exposed during construction, so the find can be evaluated and mitigated as appropriate.

CU-4: As required by State law, prevent further disturbance if human remains are unearthed, until the County Coroner has made the necessary findings with respect to origin and disposition, and the Native American Heritage Commission has been notified if the remains are determined to be of Native American descent.

3.4 HAZARDS

Hazardous materials will be used during project construction, including gasoline, diesel fuel, oil, lubricants, and small quantities of solvents and paint. Diesel fuel is the hazardous material with the greatest potential for environmental consequences during the construction phase due to its use in construction equipment, and the frequent refueling that may be required. To minimize the potential for a release, diesel fuel will not be stored onsite, except in equipment/vehicle fuel tanks. When refueling is required, a mobile fuel truck will be brought onsite to fuel each device. Any fuel spilled will be promptly cleaned up, and contaminated soil disposed of in accordance with the applicable state and federal requirements.

Small volumes of hazardous materials will be temporarily stored on-site inside fuel and lubrication service trucks. Paints and solvents will be stored in flammable material storage cabinets. Maintenance and service personnel will be trained in handling these materials. The most likely incidents involving these hazardous materials would be associated with minor spills or drips. Impacts would be less than significant.

To mitigate the potential impact to a level of insignificance, SCE will implement the following measure:

HM-1 During construction, hazardous materials stored onsite will be limited to small quantities (less than five gallons) of paint, coatings and adhesive materials, and emergency refueling containers. These materials will be stored in their original containers inside a flammable materials cabinet. Fuels, lubricants, and various other liquids needed for operation of construction equipment will be transported to the construction site on an as-needed basis by equipment service trucks.

3.5 NOISE

Construction-related noise would exceed the applicable SCAQMD significance threshold for construction noise impacts. To mitigate the potential impact to a level of insignificance, SCE will implement the following measures:

N-1 All construction activities occurring in association with the proposed project will be required to operate within the allowable construction hours as determined by the applicable local agency.

N-2 A noise control plan shall be prepared for all work sites associated with the proposed project. The noise control plan shall include, but not be limited to, the following:

- At least 24-hours prior to the arrival of the gas line construction spread, SCE will post notices within the project area notifying residences of the proposed construction schedule
- All construction vehicles will be regularly maintained, and fitted with appropriate exhaust mufflers in proper working order
- SCE will monitor noise during construction activities at the nearest receptor. If noise levels at the receptor exceed 90 dBA, temporary solid noise attenuation barriers constructed with 1/2-inch plywood (Sound Transmission Coefficient rating of 20) shall be used to break the line of sight between noise generating activities and the closest residential land uses. A noise attenuation barrier constructed in this fashion would attenuate noise by 8 to 12 dB(A) depending on the distance of the barrier from the noise source and noise receptor.
- All stationary construction equipment shall be operated as far away from residential uses as possible.
- Stockpiling and vehicle staging areas shall be located as far away from occupied residences as possible.

- To the extent feasible, haul routes for removing excavated materials or delivery of materials from the site shall be designed to avoid residential areas and areas occupied by noise sensitive receptors (e.g., hospitals, schools, convalescent homes, etc.).
- Idling equipment shall be turned off when not in use for periods longer than five minutes.
- Temporary noise impacts will be minimized by completing construction as quickly as possible in residential areas.

3.6 TRAFFIC AND TRANSPORTATION

The project is expected to require several truck trips involving oversized loads to the project site. SCE will utilize delivery scheduling, escorts, and traffic management to ensure that potential impacts are at less than significant levels.

Temporary lane or road closures may be required due to pipeline construction.

To mitigate the potential impact to a level of insignificance, SCE will implement the following measures:

TT-1 Traffic Control Plan. Where required, a traffic control plan will be prepared by a registered traffic control engineer. In areas that a traffic control plan is not required, traffic control will be in accordance with the traffic standard "Watch Manual." The details of the traffic control plan will be prepared and approved by the affected jurisdictions. The traffic control selected for each situation will be based on type of roadway, traffic conditions, duration of operation, physical constraints, and the nearness of the work space to traffic. Traffic control plans for local jurisdictions generally follow the standard set forth by Caltrans. The Traffic Control Plan shall be submitted to the permitting agencies for approval and will contain the following elements:

- Designate required traffic patterns or temporary road closures for construction;
- Provide construction work zone signs and detour signs;
- Provide safety measures to separate motorists from the construction workers and the work zone.

In addition to the traffic control plan, the construction methodology along the roadways will:

- Ensure access for emergency vehicles at all times;
- Provide access to adjacent residences and businesses to the extent feasible;
- Open lanes as soon as possible to restore normal traffic patterns;

- Provide temporary access to business along the pipeline route during construction;
- Cross highway and railroads by boring under the facilities to minimize disruption to traffic;
- Provide advance notification of the construction project to the residences and business in the affected area;
- Notify the public during construction, using methods such as large electronic notification and arrow signs, notification to impacted residents, appropriate detour signs, and notifications to schools and emergency providers;
- Provide a designated traffic control coordinator to ensure compliance with the Traffic Control Plan;
- During construction, cover open trenches with metal plates at the end of the work day; and
- After construction, restore the roads to their pre-construction condition.

TT-2 SCE will provide signage to divert bicyclists to alternative routes. Where bike lanes are closed, SCE will provide signage of pending closure in advance of bike lane closures. SCE will restore any damaged bike lanes and re-open lanes as soon as possible after construction to minimize disruption to bicycle traffic.

TT-3 SCE will provide signage to direct pedestrians to alternative routes. Notice of pending closure will be provided in advance of any pedestrian closures. SCE will restore any damaged pedestrian facilities and re-open facilities as soon as possible after construction to minimize disruption to foot traffic.

TT-4 Closure of on-street parking resources as a result of pipeline construction will be temporary in nature (on a day-to-day basis adjacent to the moving construction zone). "No parking" advance notice signs will be posted to inform the adjacent property owners about the construction schedule and the timing for the implementation of the no parking zones.

TT-5 To avoid potential parking impacts along the pipeline routes, staging areas will be established to accommodate parking for the construction workforce and for the storage of construction equipment. The staging area locations have not been identified at this time, but may include SCE's Etiwanda substation property. They will be located in existing industrial or commercial areas near the construction routes and will be of sufficient size to accommodate the anticipated parking needs of the construction workforce. The staging areas would be identified by the construction contractor, and all permits and easements required for the staging areas would be obtained prior to the commencement of pipeline construction.

TT-6 Access to parcels along the construction route will be maintained to the greatest extent feasible. Affected property owners will receive advance notice of work adjacent to their

property access and when driveways would be temporarily closed. SCE will restore any damaged driveways and re-open driveways as soon as possible to minimize impacts to adjacent residences and businesses. During construction, the open trenches will be covered with metal traffic plates at the end of the work day to accommodate driveway access.

TT-7 Access to transit stops along the construction route will be maintained to the greatest extent feasible. SCE will coordinate with the local transit authority to assist in developing alternative transit stops in affected areas. Transit stops will be restored as soon as possible after construction to minimize impacts to users of the system.

TT-8 Access to the sensitive facilities along the proposed project route will be available at all times. The location of the pipeline within the roadway in the vicinity of the sensitive facilities will be located at the far side of the roadway to the extent feasible in order to maintain good access to/from sensitive facilities.

TT-9 Roadways will be repaired within 21 days of completion of the road-based portion of pipeline construction or in accordance with local road encroachment permit conditions determined prior to construction.

TT-10 Should a temporary road and/or lane closure be necessary during construction, SCE and/or its contractor will provide traffic control activities and personnel, as necessary, to minimize traffic impacts. This may include scheduling deliveries for off-peak hours and providing escorts for oversized loads, detour signage, cones, construction area signage, flagmen and other measures, as required, for safe traffic handling in the construction zone.

4.0 SIGNIFICANT ADVERSE IMPACTS WHICH CANNOT BE REDUCED BELOW THE SIGNIFICANT LEVEL

There are no potentially significant adverse environmental impacts that cannot be reduced to a level of insignificance for the proposed project.

5.0 MITIGATION MONITORING AND REPORTING PLAN

When a public agency adopts a mitigated negative declaration in conjunction with approving a project, the lead agency shall adopt a program for monitoring or reporting on the measures it has imposed to mitigate or avoid significant adverse environmental effects. Public Resources Code (PRC) §21081.6 states in part:

> When making the findings required by subdivision (a) of Section 21081 or when adopting a negative declaration pursuant to paragraph (2) of subdivision (c) of Section 21080, the public agency shall adopt a reporting or monitoring program for the changes to the project that it has adopted or made a condition of approval in order to mitigate or avoid significant effects on the environment. The reporting or monitoring program shall be designed to ensure compliance during project implementation. For those changes which have been required or incorporated

into the project at the request of an agency having jurisdiction by law over natural resources affected by this project, that agency shall, if so requested by the lead or responsible agency, prepare and submit a proposed reporting or monitoring program.

Pursuant to the requirements of PRC §21081.6, and CEQA Guidelines §15097, the SCAQMD must establish a plan to monitor project compliance with those mitigation measures adopted as conditions of approval for SCE's Etiwanda Peaker Project. The following subsections identify the specific mitigation measures identified in the MND and the public agency responsible for monitoring implementation of each mitigation measure.

5.1 AIR QUALITY

IMPACT SUMMARY: Unmitigated NO_x emissions from the proposed SCE Etiwanda Peaker Project exceed the construction NO_x emissions significance threshold of 100 pounds per day. The construction NO_x emissions will be mitigated by purchasing RTCs for every pound of NO_x emissions in excess of the threshold for each day of the construction period during the project. Cumulative impacts for this proposed project are cumulatively significant with the three other peaker power plant projects that the applicant proposes to construct concurrently. As a result, to ensure that significant adverse cumulative regional impacts do not occur, the applicant will purchase sufficient RTCs to reduce the mitigated NO_x construction emissions from this project to 24 pounds per day, so that the cumulative NO_x construction emissions from all four projects combined do not exceed the 100-pound per day significance threshold.

Project-specific construction VOC emissions will not exceed the significance threshold for the Etiwanda Peaker Project or for any of the other three individual projects during the construction period; however, these emissions will cumulatively exceed the CEQA significance threshold during the worst case emission period. The peak cumulative VOC emissions period for all four projects occurs during the fourth two-week construction period, tentatively scheduled to begin April 9, 2007. The cumulative construction VOC emissions will be mitigated by purchasing MSERCs for every pound of VOC emissions in excess of the significance threshold for each day of the construction period.

The following mitigation measures are required to minimize the potential short-term significant adverse air quality impacts during project construction.

AQ-1 The area disturbed by clearing, grading, earth moving, or excavation operations shall be minimized to prevent excessive amounts of dust.

IMPLEMENTING PARTY: The SCAQMD finds that Mitigation Measure AQ-1 is the responsibility of SCE.

MONITORING AGENCY: The SCAQMD through its enforcement authority in issuing permits for this project will ensure compliance with this mitigation measure.

MMAQ-1: During construction of the proposed project and for two years following completion of construction, SCE shall keep records of applicable compliance activities to demonstrate the steps taken to assure compliance with Mitigation Measure AQ-1 as specified in Table 1.

AQ-2 Pre-grading/excavation activities shall include watering the area to be graded or excavated before commencement of grading or excavation operations. Application of water (preferably reclaimed, if available) should penetrate sufficiently to minimize fugitive dust during grading activities.

IMPLEMENTING PARTY: The SCAQMD finds that Mitigation Measure AQ-2 is the responsibility of SCE.

MONITORING AGENCY: The SCAQMD through its enforcement authority in issuing permits for this project will ensure compliance with this mitigation measure.

MMAQ-2: During construction of the proposed project and for two years following completion of construction, SCE shall keep records of applicable compliance activities to demonstrate the steps taken to assure compliance with Mitigation Measure AQ-2 as specified in Table 1.

AQ-3 Fugitive dust produced during grading, excavation, and construction activities shall be controlled by the following activities:

a) Although not anticipated, if soil is hauled offsite, all trucks shall be required to cover their loads as required by California Vehicle Code §23114.

b) All graded and excavated material, exposed soil areas, and active portions of the construction site, including unpaved on-site roadways, shall be treated to prevent fugitive dust. Treatment shall include, but not necessarily be limited to, periodic watering, application of environmentally-safe soil stabilization materials, and/or roll-compaction as appropriate. Watering shall be done as often as necessary and reclaimed water shall be used whenever possible.

IMPLEMENTING PARTY: The SCAQMD finds that Mitigation Measure AQ-3 is the responsibility of SCE.

MONITORING AGENCY: The SCAQMD through its enforcement authority in issuing permits for this project will ensure compliance with this mitigation measure.

MMAQ-3: During construction of the proposed project and for two years following completion of construction, SCE shall keep records of applicable compliance activities to demonstrate the steps taken to assure compliance with Mitigation Measure AQ-3 as specified in Table 1.

AQ-4 Graded and/or excavated inactive areas of the construction site shall be monitored by SCE's construction contractor at least daily for dust stabilization. Soil stabilization methods, such as water and roll-compaction, and environmentally-safe dust control materials, shall be

periodically applied to portions of the construction site that are inactive for over four days. If no further grading or excavation operations are planned for the area, the area should be seeded and watered until grass growth is evident, or periodically treated with environmentally-safe dust suppressants, to prevent excessive fugitive dust.

IMPLEMENTING PARTY: The SCAQMD finds that Mitigation Measure AQ-4 is the responsibility of SCE.

MONITORING AGENCY: The SCAQMD through its enforcement authority in issuing permits for this project will ensure compliance with this mitigation measure.

MMAQ-4: During construction of the proposed project and for two years following completion of construction, SCE shall keep records of applicable compliance activities to demonstrate the steps taken to assure compliance with Mitigation Measure AQ-4 as specified in Table 1.

AQ-5 Signs shall be posted on-site limiting traffic to 15 miles per hour or less.

IMPLEMENTING PARTY: The SCAQMD finds that Mitigation Measure AQ-5 is the responsibility of SCE.

MONITORING AGENCY: The SCAQMD through its enforcement authority in issuing permits for this project will ensure compliance with this mitigation measure.

MMAQ-5: During construction of the proposed project and for two years following completion of construction, SCE shall keep records of applicable compliance activities to demonstrate the steps taken to assure compliance with Mitigation Measure AQ-5 as specified in Table 1.

AQ-6 During periods of high winds (i.e., spontaneous wind gusts equal to or exceeding 25 miles per hour), all clearing, grading, earth moving, and excavation operations shall be curtailed to prevent fugitive dust created by on-site activities and operations from being a nuisance or hazard, either off-site or on-site.

IMPLEMENTING PARTY: The SCAQMD finds that Mitigation Measure AQ-6 is the responsibility of SCE.

MONITORING AGENCY: The SCAQMD through its enforcement authority in issuing permits for this project will ensure compliance with this mitigation measure.

MMAQ-6: During construction of the proposed project and for two years following completion of construction, SCE shall keep records of applicable compliance activities to demonstrate the steps taken to assure compliance with Mitigation Measure AQ-6 as specified in Table 1.

AQ-7 Adjacent streets and roads shall be swept at least once per day, preferably at the end of the day, if visible soil material is carried over to adjacent streets and roads.

IMPLEMENTING PARTY: The SCAQMD finds that Mitigation Measure AQ-7 is the responsibility of SCE.

MONITORING AGENCY: The SCAQMD through its enforcement authority in issuing permits for this project will ensure compliance with this mitigation measure.

MMAQ-7: During construction of the proposed project and for two years following completion of construction, SCE shall keep records of applicable compliance activities to demonstrate the steps taken to assure compliance with Mitigation Measure AQ-7 as specified in Table 1.

AQ-8 Personnel involved in grading operations, including contractors and subcontractors, should be advised to wear respiratory protection in accordance with California Division of Occupational Safety and Health regulations.

IMPLEMENTING PARTY: The SCAQMD finds that Mitigation Measure AQ-8 is the responsibility of SCE.

MONITORING AGENCY: The SCAQMD through its enforcement authority in issuing permits for this project will ensure compliance with this mitigation measure.

MMAQ-8: During construction of the proposed project and for two years following completion of construction, SCE shall keep records of applicable compliance activities to demonstrate the steps taken to assure compliance with Mitigation Measure AQ-8 as specified in Table 1.

AQ-9 Equipment idling time shall not exceed five minutes.

IMPLEMENTING PARTY: The SCAQMD finds that Mitigation Measure AQ-9 is the responsibility of SCE.

MONITORING AGENCY: The SCAQMD through its enforcement authority in issuing permits for this project will ensure compliance with this mitigation measure.

MMAQ-9: During construction of the proposed project and for two years following completion of construction, SCE shall keep records of applicable compliance activities to demonstrate the steps taken to assure compliance with Mitigation Measure AQ-9 as specified in Table 1.

AQ-10 Equipment engines shall be maintained in good condition and in proper tune as per manufacturers' specifications.

MPLEMENTING PARTY: The SCAQMD finds that Mitigation Measure AQ-10 is the esponsibility of SCE.

IONITORING AGENCY: The SCAQMD through its enforcement authority in issuing permits for is project will ensure compliance with this mitigation measure.

MMAQ-10: During construction of the proposed project and for two years following completion of construction, SCE shall keep records of applicable compliance activities to demonstrate the steps taken to assure compliance with Mitigation Measure AQ-10 as specified in Table 1.

AQ-11 Alternatively fueled construction equipment, such as compressed natural gas (CNG), liquefied natural gas (LNG), or electric, or equipment meeting Tier 2 standards, shall be used, if available.

IMPLEMENTING PARTY: The SCAQMD finds that Mitigation Measure AQ-11 is the responsibility of SCE.

MONITORING AGENCY: The SCAQMD through its enforcement authority in issuing permits for this project will ensure compliance with this mitigation measure.

MMAQ-11: During construction of the proposed project and for two years following completion of construction, SCE shall keep records of applicable compliance activities to demonstrate the steps taken to assure compliance with Mitigation Measure AQ-11 as specified in Table 1.

AQ-12 SCE will maintain records demonstrating that watering is conducted routinely during construction activities.

IMPLEMENTING PARTY: The SCAQMD finds that Mitigation Measure AQ-12 is the responsibility of SCE.

MONITORING AGENCY: The SCAQMD through its enforcement authority in issuing permits for this project will ensure compliance with this mitigation measure.

MMAQ-12: During construction of the proposed project and for two years following completion of construction, SCE shall keep records of applicable compliance activities to demonstrate the steps taken to assure compliance with Mitigation Measure AQ-12 as specified in Table 1.

AQ-13 To the extent possible, SCE will adjust its construction schedule to reduce the number and/or intensity of high-emitting construction activity emissions occurring on the same day.

IMPLEMENTING PARTY: The SCAQMD finds that Mitigation Measure AQ-13 is the responsibility of SCE.

MONITORING AGENCY: The SCAQMD through its enforcement authority in issuing permits for this project will ensure compliance with this mitigation measure.

MMAQ-13: During construction of the proposed project and for two years following completion of construction, SCE shall keep records of applicable compliance activities to demonstrate the steps taken to assure compliance with Mitigation Measure AQ-13 as specified in Table 1.

AQ-14 SCE will provide NO_x RTCs to offset any remaining project construction emissions in an amount sufficient to mitigate actual NO_x construction emissions to 24 pounds or less during each day of the construction period during which the four projects' cumulative NO_x emissions exceed the significance threshold. The total RTCs required to mitigate this project are expected to be 4,028 pounds minus any emissions avoided by construction schedule adjustment. RTCs must be purchased in the full amount prior to starting construction.

IMPLEMENTING PARTY: The SCAQMD finds that Mitigation Measure AQ-14 is the responsibility of SCE. This mitigation measure shall be implemented in accordance with Attachment 2 - Declaration of Certification for the proposed Etiwanda project.

MONITORING AGENCY: The SCAQMD through its enforcement authority in issuing permits, and the mitigation agreement as outlined in the Declaration of Certification, for this project along with the independent construction monitor will ensure compliance with this mitigation measure.

MMAQ-14: During construction of the proposed project and for two years following completion of construction, SCE shall keep records of applicable compliance activities to demonstrate the steps taken to assure compliance with Mitigation Measure AQ-14 as specified in Table 1.

AQ-15 SCE will provide VOC MSERCs to offset any remaining project construction emissions in an amount sufficient to mitigate actual VOC construction emissions to less than 75 pounds for all four peaker projects. The total MSERCs required to mitigate this project are expected to be 458 pounds minus any emissions avoided by construction schedule adjustment.

IMPLEMENTING PARTY: The SCAQMD finds that Mitigation Measure AQ-15 is the responsibility of SCE. This mitigation measure shall be implemented in accordance with Attachment 2 - Declaration of Certification for the proposed Etiwanda project.

MONITORING AGENCY: The SCAQMD through its enforcement authority in issuing permits, and the mitigation agreement as outlined in the Declaration of Certification, for this project along with the independent construction monitor will ensure compliance with this mitigation measure.

MMAQ-15: During construction of the proposed project and for two years following completion of construction, SCE shall keep records of applicable compliance activities to demonstrate the steps taken to assure compliance with Mitigation Measure AQ-15 as specified in Table 1.

5.2 BIOLOGY

IMPACT SUMMARY: Construction will disturb the project area by clearing, grading, earth moving, or excavation operations. As a result, vegetation and animal habitats could be damaged.

The following mitigation measures are required to minimize the potential short-term significant adverse biological impacts during project construction.

From: <Randall.Weidner@sce.com>
To: <cbucklin@dtsc.ca.gov>, <gneal@dtsc.ca.gov>, <ygarza@dtsc.ca.gov>
Date: 3/9/2007 12:53 PM
Subject: Fw: Emailing: Grapeland - Env. Technician Daily Reports 3-7-07 and 3-8-08.pdf
Attachments: Grapeland - Env. Technician Daily Reports 3-7-07 and 3-8-08.pdf

To All,

Attached is information on the grading oversight at the Grapeland peaker site. As you can see, we encountered no observable contaminated soil.

Also, FYI, the preliminary data from the background samples appears to be essentially the same as that for the peaker and substation sites. A few, very low hits of DDT and DDE (well below the EPA PRGs); no PCBs (adjacent to the transformers at the wells), and of course, our good buddy arsenic appears to have been cooperative. When Pat gets a breather, he'll put some data reports together for your review.

Thanks once again for your support. It is deeply appreciated. I quickly became a man with multiple bulls-eyes on my chest when this all started.

Randy Weidner
Sr. Engineering Geologist
Environmental Engineering Group
626-302-4033/PAX24033
----- Forwarded by Randall Weidner/SCE/EIX on 03/09/2007 12:40 PM -----

David Goodrich/SCE/EIX
03/09/2007 12:28 PM

To
Randall Weidner/SCE/EIX@SCE, Danielle Chupa/SCE/EIX@SCE
cc
Zaid Ahmad/SCE/EIX@SCE
Subject
Emailing: Grapeland - Env. Technician Daily Reports 3-7-07 and 3-8-08.pdf

FOR INTERNAL USE ONLY

Randy and Danielle-

Attached are the daily reports from our technician for March 7 and 8, 2007. Essentially all of the excavation for the actual peaker site occurred during these days. No oily, discolored or odorous soils were observed. The clearing and grading of the laydown area was performed on March 6. That work was observed by Ray Wesley, the PPD site rep. He also has indicated that no oily or discolored soils were observed in that

area. I have asked him to prepare me a memo to that effect for the file. I will forward it on to you both when I receive it.

Essentially all excavation at the site is complete. All excavated soils are currently stockpiled at the site. Most of the soil is in a single stockpile, north of the peaker excavation. The stockpile that was "in the way" of the laydown area construction has been moved onto the main stockpile. Whatever remains of this stockpile after the backfilling operations are complete will be sampled and tested to determine its ultimate destination.

Another smaller stockpile is located south of the laydown area. They will not be using this soil for backfill, so this soil has already been sampled and lab results are pending.

David Goodrich, CEG
Engineering Geologist
E&TS Civil/Structural/Geotechnical Group
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SMITH-EMERY LABORATORIES

The Full Service Independent Testing Laboratory, Established 1904

FIELD DAILY REPORT

Job No. : _____ Report No. : _____ Date: 3-08-07 SECo Representative: I. Salas

PROJECT I.D. : Grapeland Peaker (Peaker unit) SCE
Rancho Cucamonga

The following services were provided this date: Environmental Excavating observation

Equipment Working: _____

Description of Work: On site at 7:00am. Met with Andy Russell who informed me of areas that were going to be excavated today.

Excavating continued from yesterday to the outer edge of the Southside road around the peaker unit area. Excavating went down to 6 feet below finish grade. Also excavating took place in and around center-line area and was brought down to 10 feet below finish grade.

Stockpiles were combined and were placed on the stockpile north of the Peaker unit area. Three different soil samples were taken from the site to be tested for Grading and for Maximum Dry density.

During observation ~~the~~ NO evidence of discoloring or odor was found in the soil that was being excavated. I used the PID in excavated areas, on stockpiles and throughout site, all readings were non-detect. After stockpiles were combined I inspected the surface of where the west stockpile was previously located and surrounding areas. No evidence of contamination was visible and PID reading was also non-detect.

(✓) Work was conducted in accordance with project requirements.
( ) Work was NOT conducted in accordance with project requirements.

(✓) 781 East Washington Boulevard
Los Angeles, California 90021
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(213) 746-0744 FAX

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SMITH-EMERY LABORATORIES

The Full Service Independent Testing Laboratory, Established 1904

FIELD DAILY REPORT

Job No.: _____ Report No.: _____ Date: 3-07-07 SECo Representative: Irwin I. Salas

PROJECT I.D.: Grapeland Peaker (Peaker Unit)

The following services were provided this date: Environmental excavating observation

Equipment Working: _____

Description of Work: Arrived on site @ 11:00 and met with Dave Goodrich who briefed me on site. I also met with Andy Russell of Mesa who also gave me a briefing. At 13:00 I met with Billy Willams of Irwin who gave me the site Safety orientation.

I observed excavation on the Peaker Plant, excavation went down to approximately 6 feet below finish Grade from the outer edge of the Northside road to approximately 30 feet north of the outer edge of the Southside road.

During excavation I observed no discoloring of the soil, nor was their any odor coming from the soil. Used PID in excavated area and throughout site, all readings were Non-Detect.

(✓) Work was conducted in accordance with project requirements.
( ) Work was NOT conducted in accordance with project requirements.

PAGE 1 of 1

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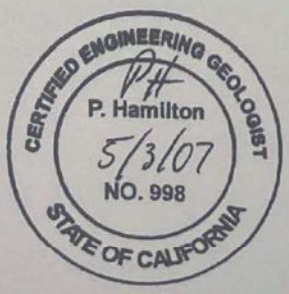
SOIL INVESTIGATION WORK PLAN
ETIWANDA GENERATING STATION

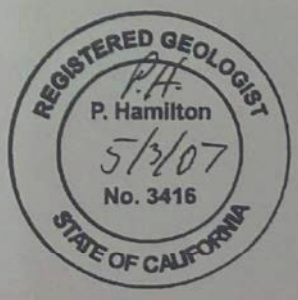
Etiwanda Generating Station
8996 Etiwanda Avenue
Rancho Cucamonga, California 91739

Prepared for
Southern California Edison

May 3, 2007

Prepared By:





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Introduction

Reliant Energy is considering a project that would increase the electrical generation capacity at the Etiwanda Generating Station. The proposed construction site is located on land that was part of the former Edison Etiwanda Generating Station property. Owing to past un-permitted RCRA hazardous waste activities conducted at the Etiwanda facility, Edison is obligated to conduct RCRA Corrective Action investigation, human health and environment risk assessment, and remedial action, where necessary.

The proposed project would occur on the northwest corner of the site as shown on Figure 1. The major features of the area are four cooling towers, a canal, and piping facilities used by electrical generating units 1&2. Since these generating units are no longer in operation, these cooling water facilities have been abandoned. A portion of the land north of the towers was utilized as a nursery to raise landscaping plants for the Edison system. Two abandoned fuel oil tanks are located on the southern portion of the project site. These tanks have been emptied, cleaned, and investigated. These tanks are presently owned by Inland Empire Utility Agency. They plan to use the tanks to store reclaimed water for their system. During the preparation of this work plan, their crews were observed steam cleaning the related piping. A small area to the west was used to temporarily stage water tanks for the boiler wash operation. There are also various metal objects (pipes, boiler parts, bins, etc.) stored on the ground south and east of the towers.

Because of the proposed project, Reliant has requested Edison to accelerate the required Corrective Action investigation for this portion of the Etiwanda facility. This Work Plan describes the proposed Corrective Action investigation for the project site. It begins with a presentation of the previous soil investigations on the site. Based on this data, a proposed soil investigation was formulated.

Previous Investigations

In 1997, a Phase II Environmental Site Assessment (ESA) was completed for the Etiwanda Generating Station for the sale of the facility to Reliant Energy. Thirty-one plant features with the potential for historic releases of hazardous substances or petroleum products were identified. These features were investigated by collecting one hundred ninety-six soil samples collected from one hundred and seven soil borings. The samples were analyzed for the appropriate chemical constituents for the feature investigated. The results were presented in the ESA report prepared by Geraghty & Miller dated June 6, 1997.

Figure 2 shows the features from the Phase II ESA that is included in the area of the proposed project. These include the cooling towers, cooling water sludge dewatering facility, boiler wash staging area, acid tank, oil tanks, and a possible landfill area. The boring locations advanced during the investigation are shown in red. The resultant analytical data is included on Tables 1 and 1a.

The data derived in the area of the cooling towers, sulfuric acid tank, and the possible landfill did not detect any evidence of a release of hazardous materials (Table 1). The metal concentrations were below the background concentrations determined for the recent RCRA Corrective Action investigation on the adjacent property to the west. The concentrations for cadmium and copper at the sludge dewatering facility were slightly higher than the background concentrations mentioned above (BW borings). The TCE detected in sample BW-2-0.5 is suspect since TCE was recorded in the QA/QC sample. It should be noted that no evidence of a landfill was detected in the three LF borings.

The six borings in the tank enclosures were located at valves or tank openings which would be susceptible to possible spills. Fuel oil was detected in samples collected near the northeast tank as shown on Table 1a.

In 2005, Reliant contracted the services of Earth Technology and URS to perform an investigation for possible arsenic soil contamination in the vicinity of the four abandoned cooling towers. The wood in the towers had been preserved with an arsenic compound. The locations of the investigatory borings are shown in purple on Figure 2. Table 2 contains a listing of the resultant data. The data indicates that water drift from the towers has caused contamination of the upper soil layer adjacent to the tower foundations.

Investigation

There are two main objectives for this investigation. The first is to characterize site soils that may have been impacted by hazardous chemicals associated with past activities, generally in accordance with RCRA Corrective Action guidelines, prior to construction of permanent structures. The other is to assess potential worker exposure risks related to soil disturbances.

Soil disturbing activities will occur with normal construction practices. The site must be characterized prior to these activities, to determine the presence of hazardous chemicals that may present an unacceptable health risk to exposed construction workers. Soil characterization is also required to assess the need for hazardous waste management for excavated soils.

A total of forty-one borings are proposed for this investigation. The locations of the borings are shown on Figure 2. The work is divided into four areas (each a separate color code) which were determined by the historic use and data collected from previous investigations. Each is discussed below. All work will be performed in accordance with the Sampling and Analysis Plan (SAP), included as Appendix 1, or those elements specifically detailed in this Work Plan. Soil sampling activities will be conducted in accordance with the DTSC-approved, January 1996 Project Health and Safety Plan (HASP) with Addendums 1 and 2,

dated March 2004 and May 2004, respectively. Step-out borings will be installed if the analytical findings from the samples proposed in this Work Plan require further investigation. The DTSC will be notified if additional work is necessary.

To summarize the SAP, the borings will be drilled using a hand auger. The material will be logged by a State of California Certified Engineering Geologist. A duplicate sample will be collected for every ten samples. A field blank will be processed to show adequacy of the decontamination methods. A final report will be prepared which will include a description of the field operation, resulting data, and the analytical laboratory reports. The report will also describe any unanticipated deviations from the Work Plan.

Based on the prior uses of the land underlying the proposed new construction, the following chemicals may be expected at the site:

- Total Petroleum Hydrocarbons-Carbon Chain (TPH-CC)
- Volatile Organic Compounds (VOCs)
- Semi-Volatile Organic Compounds (SVOCs)
- Metals

Table 3 is a list of the analytical methods that may be utilized for this investigation. Specific sampling schemes are outlined below for each of the four areas.

TABLE 3

CONSTITUENTS OF CONCERN

Constituents of Concern	EPA Method
TPH-CC	8015 Carbon Chain
VOCs	8260B
SVOCs	8270C
Metals	6020B/7471A

Abandoned Nursery

This area is north of the cooling towers. Edison used this area to raise plants that were used for landscaping around various facilities. Samples in this area, shown in blue, will be collected at one and five feet below the ground surface. All soil samples within this area will be analyzed for CAM metals.

Boiler Wash Temporary Tanks

It was reported storage tanks were temporarily staged in this area during boiler wash activities. These were most likely Baker type tanks which were lined in parallel over the area. Samples in this area, shown in blue, will be collected at one and five feet below the ground surface. All soil samples within this area will be analyzed for CAM metals.

Cooling Towers

It has been determined that arsenic contamination exists immediately along the foundations of the cooling towers. This was caused by water drift originating from the water cascading over the arsenic treated wood. The existing data shows that the contamination decreases with depth and distance from the towers. The boring locations have been positioned to determine the nature and extent of the arsenic contamination. The twenty-four borings are shown in green on Figure 2. Soil samples will be collected at one, three, and five feet below the ground surface. All soil samples within this area will be analyzed for CAM metals.

Fuel Oil Tanks

As described above, boring NEFO-2-0.5 detected crude oil at a concentration above 100 mg/kg. A step-out boring is proposed at this location as shown on Figure 2 in light blue. Samples will be collected at one and five feet below the ground surface.

Based on consultation with personnel from the Southern California Permitting and Corrective Action Branch, and in consideration of impending guidance regarding risk assessment procedures for petroleum hydrocarbon impacted sites, the following analytical scheme outlined below has been developed. It is based on the need for specific VOC compound identification when volatile-range TPH is encountered, and for specific SVOC compound identification, when semi-volatile range TPH is encountered.

The two soil samples will be collected for TPH-CC, VOCs (utilizing the Method 5035 field extraction procedure), SVOCs, and metals. Following delivery to the laboratory, a rush TPH-CC analysis will be run on the samples, so that decisions can be made regarding additional analyses within allowable holding times. Based on the carbon range results, VOCs and/or SVOCs will then be analyzed as necessary. The decision tree parameters will be as follows:

- No detections in any carbon chain range means no VOC or SVOC analysis
- Detections in the C6-C10 range will require VOC analysis
- Detections in the C10-C32 range will require SVOC analysis

The project analytical laboratory (Weck Laboratories, Inc.) will be instructed to report the TPH-CC results in the following carbon ranges:

- C6-C10
- C10-C32

Sample Protocol

The following is a general step-by-step procedure for soil sampling, as outlined in the SAP.

1. Upon arrival to the site, the Geologist will begin the sampling process by performing a Health and Safety meeting with the drilling contractor and any

visitors to the site. The proper form will be signed by all in attendance of the meeting. The fugitive dust monitor will be placed within the perimeter and down wind of the work area.

2. All excavation equipment will be decontaminated before beginning work and between borings as described in Section 1.1.5 Decontamination. All sampling equipment will be decontaminated between samples by washing in Alconox and double rinsing in de-ionized water.

3. For the soil samples requiring VOC analyses, the following will be performed. Immediately upon retrieval of the soil sample, three 40 ml vials will be filled with five grams of sample in accordance with EPA Method 5035 for VOC analysis of the soil sample. One vial will be preserved with methanol while the other two will preserved with sodium bisulfate. The three vials will be secured in a protective bubble bag, labeled, and placed on wet ice to chill the sample to a temperature of 4°C.

4. For soil samples requiring CAM metal analyses, the following will be performed. The soil sample will be placed in a labeled, 4-ounce glass jar and positioned on wet ice.

5. A duplicate soil sample will be collected for each ten soil samples. These samples will be processed as any other sample and they will not be labeled as a duplicate.

6. A specific sample number will be assigned to each soil sample. This number will be recorded on the Daily Field Form and Chain of Custody Form with all appropriate labeling attached to the sample containers.

7. At the completion of the sampling, all borings will be backfilled with hydrated bentonite chips. The chips will be carefully poured into the boring in one-foot lifts. Fresh water will be placed over the bentonite to cause hydration. The sampling and drilling equipment will be properly decontaminated before moving to the next bore-hole location.

8. Samples will be transported to Weck Laboratory, a California Certified laboratory, for analysis with the completed Chain of Custody Form.

Table 1

Analytical Soil Data from Phase II Environmental Assessment
Etiwanda Generating Station

	Boring ID		LF1		LF2		LF3		SA-1&2-1	
	Sample ID		LF1-10	LF1-15	LF2-10	LF2-15	LF3-5	LF3-10	SA-1&2-1-0.5	SA-1&2-1-4
	Depth (feet)		10	15	10	15	5	10	0.5	4
Parameter	PQL	Units								
pH		units	NT	NT	NT	NT	NT	NT	NT	NT
Antimony		mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic		mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Barium		mg/kg	72	112	97	93	106	66	84	120
Beryllium		mg/kg	0.17	0.45	0.31	0.52	0.34	0.34	0.22	0.22
Cadmium		mg/kg	0.35	ND	ND	ND	0.2	0.16	ND	ND
Chromium, Total		mg/kg	11	12	13	12	16	9.5	14	16
Cobalt		mg/kg	4.2	5.4	6.1	6.1	5.4	3.6	3.2	4.2
Copper		mg/kg	14	9.1	14	8.4	14	8.8	24	24
Lead		mg/kg	1.8	2.6	2.5	3	2.2	1.7	2.9	3.5
Mercury		mg/kg	ND	ND	0.023	ND	ND	ND	ND	ND
Molybdenum		mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Nickel		mg/kg	7	7	8.3	7.3	9.9	6.1	7.6	8.2
Selenium		mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Silver		mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Thallium		mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium		mg/kg	26	41	33	43	32	22	39	52
Zinc		mg/kg	30	31	37	33	36	26	39	49
TPH (Diesel-FFP)		mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
TCE*		mg/kg	ND	ND	ND	ND	ND	ND	ND	ND

* TCE Detected in the QA/QC equipment blank

Analytical Soil Data from Phase II Environmental Assessment
Etiwanda Generating Station

Table 1

	Boring ID		SA-1&2-2		BW-1		BW-2		BW-3	
	Sample ID		SA-1&2-2-0.5	SA-1&2-2-5	BW-1-0.5	BW-1-3	BW-2-0.5	BW-2-3	BW-3-0.5	BW-3-3
	Depth (feet)		0.5	5	0.5	3	0.5	3	0.5	3
Parameter	PQL	Units								
pH		units	NT	NT	NT	NT	NT	NT	NT	NT
Antimony		mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic		mg/kg	1.1	ND	1.1	ND	ND	ND	ND	ND
Barium		mg/kg	103	105	145	104	134	130	141	167
Beryllium		mg/kg	0.31	0.59	0.27	0.34	0.24	0.17	0.22	0.45
Cadmium		mg/kg	ND	ND	1.1	ND	1.2	1.1	1.5	ND
Chromium, Total		mg/kg	15	17	25	19	19	22	20	28
Cobalt		mg/kg	5.6	6.3	10	7.3	7.6	8.7	8	9.4
Copper		mg/kg	16	17	29	28	23	25	25	36
Lead		mg/kg	3.9	2.7	6.1	3.5	2.4	3.8	4.7	3.9
Mercury		mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum		mg/kg	ND	ND	ND	ND	1.2	ND	ND	ND
Nickel		mg/kg	9.5	11	18	13	13	17	14	17
Selenium		mg/kg	ND	ND	ND	ND	1.1	1.1	1.1	ND
Silver		mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Thallium		mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium		mg/kg	36	35	52	42	45	53	53	53
Zinc		mg/kg	46	44	69	49	60	58	67	72
TPH (Diesel-FFP)		mg/kg	ND	ND	5.5	ND	5.7	ND	6.2	ND
TCE*		mg/kg	ND	ND	ND	ND	0.0036	ND	ND	ND

* TCE Detected in the QA/QC equipment blank

Table 1

Analytical Soil Data from Phase II Environmental Assessment
Etiwanda Generating Station

	Boring ID		CT1/2-1		CT1/2-2		CT1/2-3	
	Sample ID		CT1/2-1-0.5	CT1/2-1-5	CT1/2-2-0.5	CT1/2-2-5	CT1/2-3-0.5	CT1/2-3-5
	Depth (feet)		0.5	5	0.5	5	0.5	5
Parameter	PQL	Units						
pH		units	8.9	8.7	8.1	8.3	7.7	8.3
Antimony		mg/kg	ND	ND	ND	ND	ND	ND
Arsenic		mg/kg	ND	ND	1.5	ND	ND	ND
Barium		mg/kg	99	114	151	103	37	38
Beryllium		mg/kg	ND	ND	ND	ND	ND	ND
Cadmium		mg/kg	ND	ND	0.25	ND	ND	ND
Chromium, Total		mg/kg	21	17	47	15	7.8	7.6
Cobalt		mg/kg	6	6.4	10	5.6	2.3	2.3
Copper		mg/kg	13	13	26	12	5.1	5.1
Lead		mg/kg	2.9	2.6	6.1	2.1	1.5	1.4
Mercury		mg/kg	ND	ND	ND	ND	ND	ND
Molybdenum		mg/kg	ND	ND	ND	ND	ND	ND
Nickel		mg/kg	9.3	9.5	19	8.9	4.1	4.4
Selenium		mg/kg	ND	ND	ND	ND	ND	ND
Silver		mg/kg	ND	ND	ND	ND	ND	ND
Thallium		mg/kg	ND	ND	ND	ND	ND	ND
Vanadium		mg/kg	35	42	55	36	16	14
Zinc		mg/kg	41	41	91	41	18	17
TPH (Diesel-FFP)		mg/kg	NT	NT	NT	NT	NT	NT
TCE*		mg/kg	NT	NT	NT	NT	NT	NT

* TCE Detected in the QA/QC equipment blank

Analytical Soil Data from Phase II Environmental Assessment
Etiwanda Generating Station

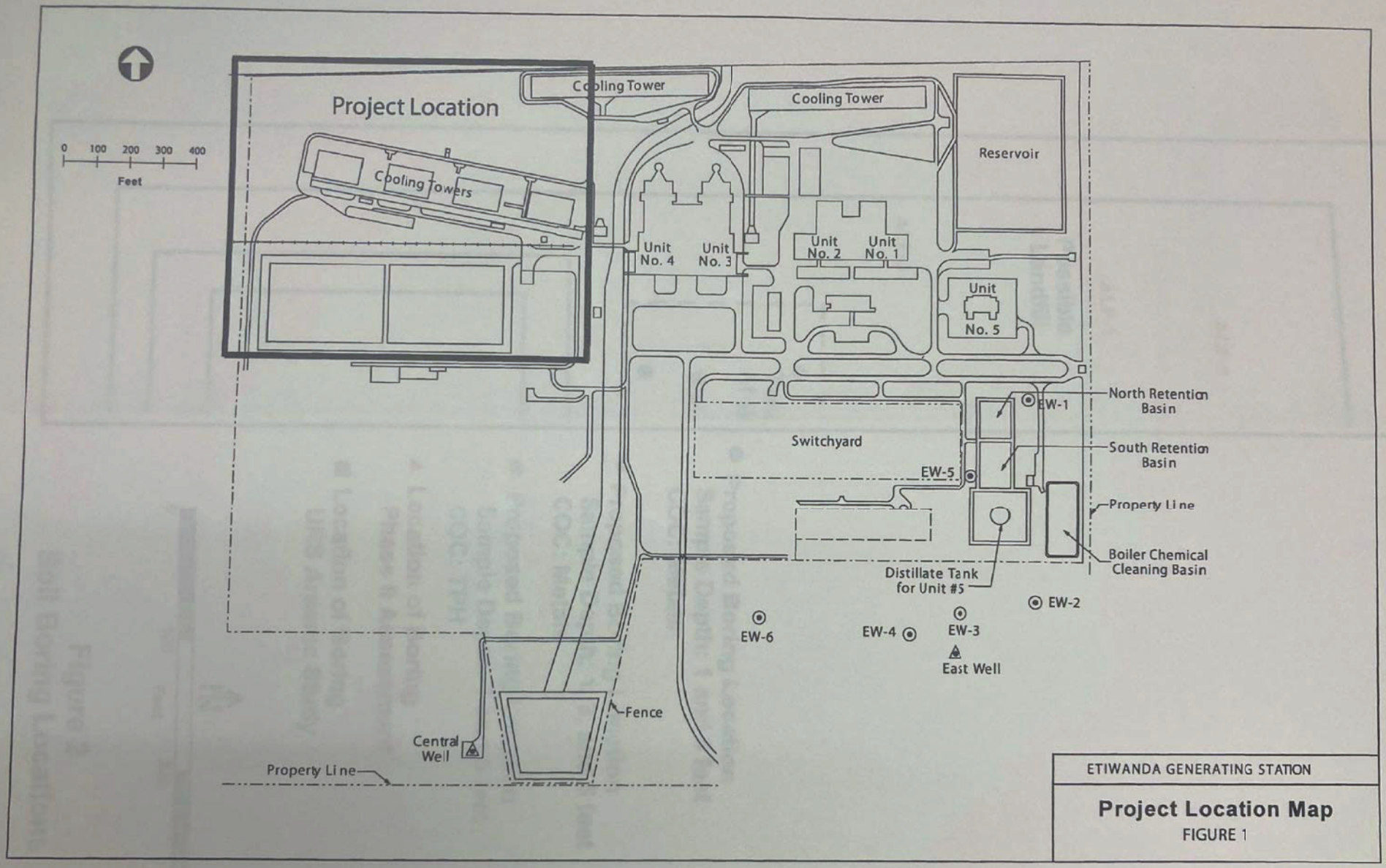
	Boring ID		NEFO1		NEFO2	NEFO3		
	Sample ID		NEFO1-0.5	NEFO1-4	NEFO2-0.5	NEFO3-0.5	NEFO3-4	NEFO3-5
	Depth (feet)		0.5	4	0.5	0.5	4	5
Parameter	PQL	Units						
TPH (Crude/Waste Oil)		mg/kg	70	330	ND	ND	ND	65
TPH (Diesel-FFP)		mg/kg	ND	ND	5.4	ND	ND	ND

	Boring ID		NWFO1		NWFO2		NWFO3	
	Sample ID		NWFO1-0.5	NWFO1-4	NWFO2-0.5	NWFO2-4	NWFO3-0.5	NWFO3-4
	Depth (feet)		0.5	4	0.5	4	0.5	4
Parameter	PQL	Units						
TPH (Crude/Waste Oil)		mg/kg	ND	ND	ND	ND	ND	ND
TPH (Diesel-FFP)		mg/kg	7.4	5.6	ND	ND	ND	ND

Analytical Soil Data
Arsenic Concentrations
URS Cooling Tower Investigation

Sample Depth	Surface	6-inch	12-inch
Cooling Tower ID			
CT1 EAST	350	5.7	7.1
	260	10.2	3.8
	270	9.9	5.3
	260	3.9	2.0
		7.4	21.0
		4.2	2.9
CT1 WEST	260	2.0	3.9
	390	7.2	7.7
	260	4.4	4.2
	340	2.5	2.8
		70.2	11.5
		20.7	4.8
CT2 EAST	160	5.9	5.4
	270	2.8	4.5
	230	7.4	7.1
	230	7.2	5.0
CT2 WEST	250	6.0	6.2
	330	3.5	2.9
	250	2.2	4.6
	220	1.9	3.6

units: mg/kg



ETIWANDA GENERATING STATION

Project Location Map

FIGURE 1

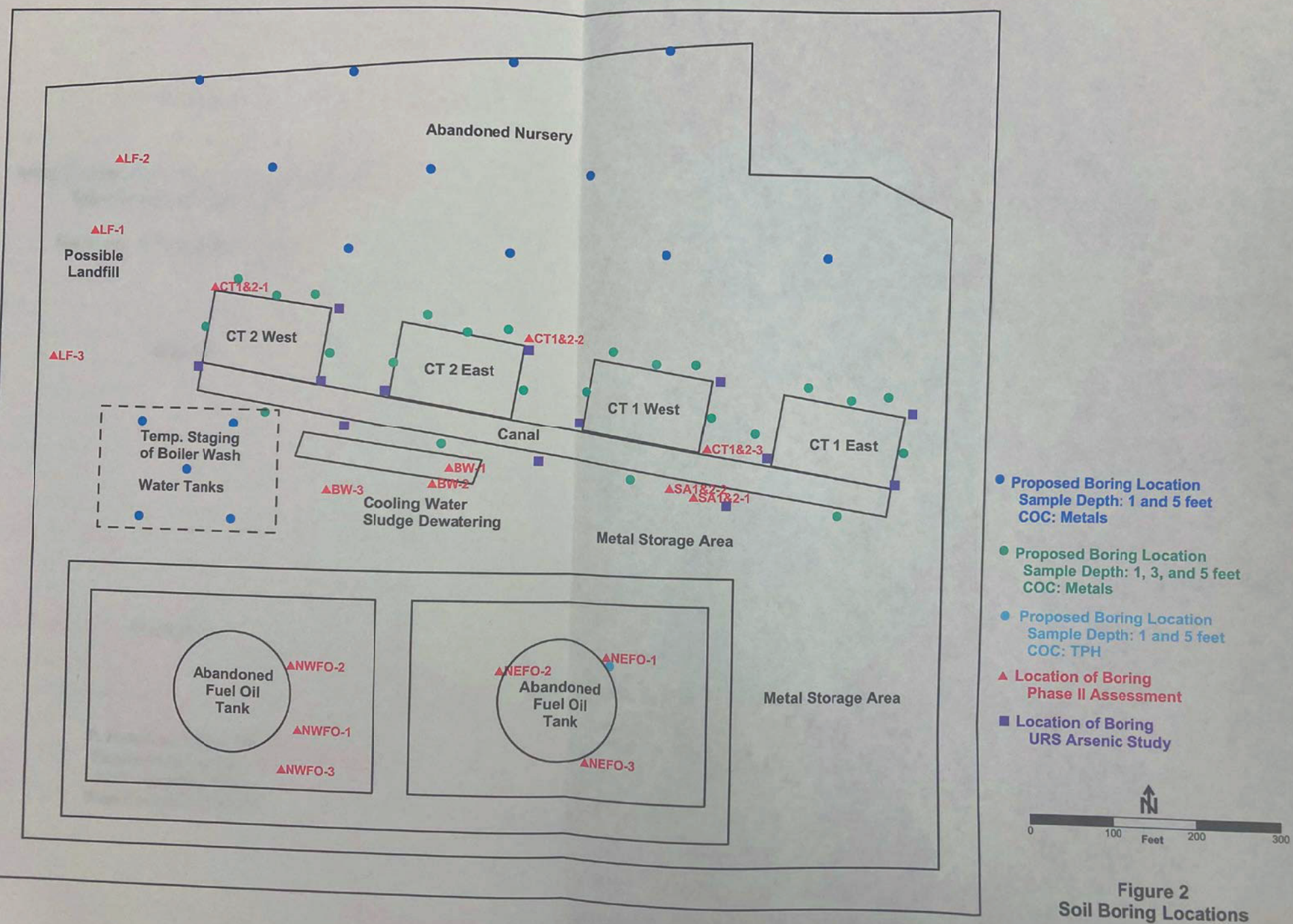


Figure 2
Soil Boring Locations

Appendix 1

SOIL SAMPLING AND ANALYSIS PLAN
Etiwanda Generating Station

Southern California Edison Company

May 2007

Prepared By:

P. Hamilton, CEG #998
Engineering Geologist
2715 Altamira Circle
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Figure 2: Typical Sample Label

Appendix 1: Field Forms

Daily Field Log

Calibration Log

Weck Laboratories Chain of Custody Form

1. Field Procedures

Soil samples will be collected from bore-holes created by hand augering equipment. The formational material encountered will be logged. The soil samples will be screened in the field for pH values. The samples will be prepared for shipment to a certified laboratory. The following section describes the procedures that will be used to perform the sample collection, sample handling, and documentation.

1.1. Sample Collection

1.1.1. Bore-Hole Drilling

Bore-hole drilling will be performed with a three inch diameter hand auger. The hand auger is stainless steel and is attached to 2, 4, or 5 foot long rods which screw together as the bore-hole is advanced.

1.1.2. Sampling

The hand augered soil samples will be collected with an AMS Core Sampler or equivalent. This sampler is two inches in diameter and houses a six inch long plastic liner. The sampler is driven with the AMS hammer which is attached to the auger rods.

All sampling equipment will be decontaminated between samples by washing in Alconox and double rinsing in de-ionized water as described in Section 1.1.5 Decontamination.

1.1.3. Logging

All bore-holes will be continuously logged by a California Certified Engineering Geologist (Geologist). Though the samples will be taken at discreet locations, the material from the bore-holes will be continuously logged. The materials viewed from the auger cuttings or sampling operation will be logged using the Unified Soil Classification System. All data will be recorded on a boring log. The data will include soil classification, moisture content, color, grain size, and staining. An example of a typical shallow boring log is shown on Figure 1.

1.1.4. Bore-Hole Cuttings

All material derived from the bore-hole drilling will be placed in sealable, DOT-approved, 55-gallon drums. A composite sample from each barrel generated from the drilling will be sent to a certified laboratory for a screening test for the project Constituents of Concern. The drums will be properly removed from the site and disposed by a registered hazardous materials hauler.

1.1.5. Decontamination

All drilling and sampling equipment will be decontaminated between bore-holes or samples to prevent cross-contamination. The cleaning procedure will be to wash the equipment in an Alconox solution. The equipment will then be double rinsed in de-ionized water.

1.2. Sample Protocol

The following is a general step-by-step procedure for sampling at the site.

1. Upon arrival to the site, the Geologist will begin the sampling process by performing a Health and Safety meeting with the drilling contractor and any visitors to the site. The proper form will be signed by all in attendance of the meeting. The work perimeter will be established with yellow caution tape. The fugitive dust monitor will be placed within the perimeter and down wind of the work area.

2. All excavation equipment will be decontaminated before beginning work and between borings as described in Section 1.1.5 Decontamination. All sampling equipment will be decontaminated between samples by washing in Alconox and double rinsing in deionized water.

3. Immediately upon retrieval of the hand augered soil samples, three 40 ml vials were filled with five grams of sample in accordance with EPA Method 5035 for VOC analysis of the soil sample. One vial was preserved with methanol while the other two were preserved with sodium bisulfate. The three vials were secured in a protective bubble bag, labeled, and placed on wet ice to chill the sample to a temperature of 4°C.

4. The soil sample will be placed in a labeled, glass jar and positioned on wet ice. This sample will be utilized for the pH, metal, and general mineral analysis.

5. A duplicate soil sample will be collected for each ten samples collected. This sample will be processed as any other sample and it will not labeled as a duplicate.

6. A specific sample number will be assigned to each soil sample. This number will be recorded on the Daily Field Form and Chain of Custody Form with all appropriate labeling attached to the sample containers.

7. At the completion of the sampling, all borings will be backfilled with hydrated bentonite chips. The chips will be carefully poured into the boring in one-foot lifts. Five gallons of fresh water will be placed over the bentonite to

cause hydration. A cement plug will be placed in the upper 6-inches of the hole. The sampling and drilling equipment will be properly decontaminated before moving to the next bore-hole location.

8. Samples will be transported to Weck Laboratory, a California Certified laboratory, for analysis with the completed Chain of Custody Form on each sampling day. The soil sample will be analyzed for the project Constituents of Concern listed in Section 1.3.1.

1.2.1. Constituents of Concern

The soil samples collected will be analyzed for the Constituents of Concern for the pipeline systems contained on Table 1.

1.2.2. Sample Containers

The required soil sample containers for specific analysis are listed on Table 2. The table also presents the required preservation and maximum holding time period. Once opened, a sample container must be promptly used for storage of a particular sample. Unused but open containers are to be considered contaminated and will be discarded. Because of the potential for introduction of contamination, they cannot be re-closed and saved for later use. Likewise, any unused containers that appear contaminated upon receipt will be discarded. The analyses to be performed on the samples will be specified by Edison on the Chain of Custody Form to Weck Laboratories.

Samples for CAM metal analysis are transported in glass containers with no preservative.

1.2.3. Health and Safety

Soil sampling activities will be conducted in accordance with the DTSC-approved, January 1996 Project Health and Safety Plan (HASP) with Addendums 1 and 2 dated March 2004 and May 2004, respectively. To summarize, the Geologist will begin the daily work by performing a Health and Safety meeting with the drilling contractor and any visitors to the site. The topics of the meeting will include the maximum concentration values measured at the site from previous investigations. The drilling contractor will be informed that area to be investigated has been cleared by USA or an underground utility locating contractor. The personnel protection level will be addressed. At the Mandalay site, the personnel protection will be minimal with hard hats, safety glasses, and gloves. The work perimeter will be established with yellow caution tape. The proper form will be signed by all in attendance of the meeting.

The potential for fugitive dust during the soil sampling activity is deemed to be very low. This is because of the low energy activity of hand augering and the moist soil conditions at the Etiwanda site. However, to protect workers from a dust hazard, a fugitive dust monitor will be placed within the work perimeter and down wind of the work area. The monitor alarm will be set at 2.5 mg/m^3 since all calculated values for the parameters were much higher. If the alarm is triggered, Tyvex suits and respirators will be available for the workers.

1.2.4. Labeling and Handling

Table 2 lists the container types and container preparation for the Constituents of Concern. Sample container preparation and sample transport are the responsibility of the Geologist performing the sampling. The Geologist is also responsible for correct sample collection and sample handling, i.e., labeling,

packaging, storage prior to the transport to the laboratory, and custody procedures.

The following procedure will be used for all soil sample handling, packaging, and shipping activities:

1. The Geologist will read and fully understand the sampling requirements to insure that the correct analyses are identified for the Weck Laboratories and that sufficient sample containers, properly prepared and in sufficient numbers, are available.

2. An ice chest containing wet ice will be on site before sampling begins. Ice will be added to the ice chests containing samples as needed. Water from melted ice must be drained from the ice chest frequently.

3. Collect soil samples in appropriate containers: see Table 2.

4. Print clearly in waterproof ink on the sample labels the sample identification data and the preservative, if any, that has been added to each container. Figure 2 is an example of the Edison sample labels. Information entered on each label will include the following:
    - Sample identification number
    - Project location (station name)
    - Date
    - Time (military format)
    - Preservatives added, if any
    - Analysis required
    - Any special instructions or remarks/pertinent observations
    - Initials of sampler

1.3. Quality Control Samples

1.3.1. Duplicate Samples

Duplicate samples will be collected in the same manner as the routine soil samples in the same type of containers. This procedure will involve the collection of a second, distinct, sample set immediately after the routine soil

oyd, Ph.D.
Secretary
1011 North Grandview Avenue
Glendale, California 91201
Governor

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

April 27, 2009

Ms. Christine Bucklin
Department of Toxic Substances Control
9211 Oakdale Street
Chatsworth, CA 91311

SUBJECT: SOIL SAMPLING WORK PLAN
WASTEWATER PIPELINES
ETIWANDA GENERATING STATION
SOUTHERN CALIFORNIA EDISON COMPANY

Dear Ms. Bucklin:

Enclosed is a paper and CD copy of the Soil Sampling Work Plan for the wastewater pipelines at the former SCE Etiwanda Generating Station. SCE would appreciate a timely review of the plan, and look forward to discussing the Department's comments as soon as possible.

A hard copy of the work plan is being submitted concurrently to Greg Neal, in your Cypress office.

If you have any questions regarding this submittal, please contact me at (626) 302-4033.

Sincerely,

Randy Weidner

Randy Weidner
Sr. Engineering Geologist

Enclosures

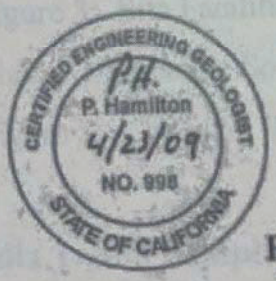
cc:
Greg Neal, DTSC-Cypress, w/paper copy

SOIL SAMPLING WORK PLAN
WASTEWATER PIPELINES
Etiwanda Generating Station

Southern California Edison Company

April 2009

Prepared By:





P. Hamilton, CEG #998
Engineering Geologist
2715 Altamira Circle
West Covina, California

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Appendix 1: Soil Sampling and Analysis Plan

1. Introduction

In 1996, Southern California Edison Company (Edison) implemented a Water Quality Monitoring Program in response to a Final Judgment pursuant to a Stipulation, handed down by the Superior Court of California, Los Angeles County, Number BC 121219 on February 1, 1995. The Stipulation alleged that Edison had stored hazardous wastes in non-permitted wastewater retention basins at their generating stations in southern California. Edison agreed to clean close these basins according to Chapter 15 of Title 22, California Code of Regulations.

Investigations pursuant to 22 CCR 66265.98 began at the Etiwanda Generating Station in 1996. The purpose of the investigations was to demonstrate if any environmental contamination had resulted from the operation of the retention basins at the facility. The investigations included the implementation of a detection groundwater monitoring program and soil sampling beneath the retention basin liners. The geographic location of the facility is shown on Figures 1 and 2. A site facilities map is shown on Figure 3.

As part of the closure process, the DTSC is requiring Edison to investigate any station feature that conveyed wastewater to the retention basins. Edison began this task by a determination of which station features was directly related to the basin, the feature's use, and whether the feature was part of a process that could create hazardous materials. Several station personnel were interviewed during this process. To the extent possible, design drawings were obtained and examined. Each of the features determined to be associated with the retention basins was inspected at the station.

The Etiwanda Generating Station has four generating units paired in two separate structures. Units 1 and 2 are located in a super structure to the east, and Units 3 and 4 are located to the west Figures 3 and 4. The results of the investigation revealed that a pipeline from each of the two generating unit super

structures convey wastewater to the basins (Figure 4). The pipelines converge east of the Unit 1 and 2 structure. These pipelines convey wastewater originating from the boiler acid wash and fireside wash processes. These two processes could have generated wastewater containing metal parameters and low pH values. The station discontinued the use of these processes in 1996.

The following sections describe the results of the investigation determining the origin of wastewater from each of the systems and Units, and their pathway before entering the retention basins. The last section is the proposed investigation. Appendix 1 is the Sampling and Analysis Plan that will be used to perform the investigation.

2. Drain Systems

Each of the two sets of generation units are serviced by a boiler acid wash and a fireside wash drain system. During the production of steam, the boiler tubes could become coated with material deposited from the water. The coating would cause the heating cycle to become less efficient. When this occurred, an acid wash would be performed on the boiler. This was performed by injecting an acid solution into the boiler tubes. The resultant waste material was conveyed through a pipeline to the common sump and then the retention basin.

During the burning of fossil fuels, deposits occur on the boiler walls and on the boiler tubes. The deposits cause a reduction in the efficiency of the heat transfer in the tubes. A process called a fireside wash was used to clean the deposits from the boiler when it was determined necessary. This was performed by externally washing the boilers tubes with water.

2.1. Units 1 And 2 Fireside Wash Drain System

Wastewater from the fireside wash process for Units 1 and 2 is conveyed through a 10-inch diameter pipeline to the basins (Figure 4). The pipeline begins within the unit structure and flows north to a common pipeline. This pipeline drains into the 10-inch diameter pipeline which conveys similar wastewater from Units 3 and 4 processes.

2.2. Units 3 And 4 Fireside Wash Drain System

The fireside wash drain systems installed for Units 3 and 4 are different from those for Units 1 and 2. The fireside wash wastewater drains from the units through a 10-inch diameter pipeline to a sediment trap adjacent to each unit (Figure 5). The dimension of the identical traps is 8 feet by 8 feet and 7 feet in depth. The traps allow the water to gravity flow through a 10-inch pipeline to a common pump sump attached to the oil/water separator (Figure 5). The dimensions of the pump sump are 7 feet wide by 12 feet long with a depth of 15 feet. From the sump, this common line runs north, and east, behind the generator unit structures, then turns south, connects with the Units 1 and 2 wastewater pipeline, and ends at the retention basins (Figure 4). This 10-inch diameter wastewater pipeline is about 1800 feet in length.

2.3. Units 1 And 2 Boiler Acid Wash Drain System

There are no buried pipelines for the boiler acid wash process. The wastewater from this process was placed into portable bins, moved to a wash

down slab (Figure 5) located north of Units 3 and 4, and drained into a 4-inch diameter pipeline. This pipeline then connects to the Units 3 and 4 acid wash pipeline (Figure 5).

2.4. Units 3 And 4 Boiler Acid Wash Drain System

The wastewater from the acid wash system is separate from the fireside system until it enters the common sump. The 10-inch pipeline from the units normally drained the acid waste into the common sump. However, there is a bypass around the common sump conveying the wastewater directly to the basins. There is no record of the bypass ever being used.

3. Conclusions

It was determined that the drain systems conveying wastewater from two processes could potentially create hazardous materials: boiler acid and fireside washes. These processes could create wastewater with low pH and metal constituents. It is recommended that a soil investigation be performed along the pipelines, common sump, and related sediment traps. The scope of the investigation is outlined below.

4. Investigation

The pipelines and associated traps and sump, which could have potentially conveyed or held hazardous materials, will be investigated by retrieving soil samples from 58 borings shown on Figures 4 and 5. Borings have been

positioned at pipeline elbows where leakage is most likely to occur. The borings are spaced about 100-feet apart over the longer straight sections.

The pipelines on the plant side of the sump flows by gravity. Therefore, the depth to the pipe invert varies slightly at each boring location. The calculated depth to the pipe invert at each boring location is shown on Table 1. The first soil sample will be collected at the depth of the pipe invert. Two additional samples will be collected in each bore-hole at two-foot intervals.

Sampling intervals and depth have been varied when required in areas adjacent to the sump and traps. A 16-foot sample will be collected from borings EP34 and EP35 to position a sample interval below the bottom of the pump sump. Similarly, boring EP43 will collect a sample from below the sump. Shallow samples will also be collected from boring EP43 to investigate an adjacent pipeline.

Deeper samples will be collected in any boring if the pH screening records values less than 6 or greater than 9 for the third sample. Additional samples will also be collected if the soil at the third sample location shows evidence of leakage, such as discoloration or odor. Sampling will continue at two-foot intervals until there is no further evidence of leakage.

The pipelines being investigated with this Work Plan could have conveyed low pH wastewater which could have contained metal parameters from the chemical processes. Therefore, the Constituents of Concern (COCs) for the pipeline investigation will be pH, metal parameters, and leachable general mineral parameters shown on Table 1 of Appendix 1.

The analysis for volatile organic compounds will not be included on the COC list. VOC parameters have not been detected in any of the soil samples collected from the three phases of exploration below the basin liners. A two phased soil vapor survey was also performed beneath the basins. The laboratory,

using EPA Method 8260, did not detect VOC compounds above the method detection limit (1 µg/l) from samples analyzed from borings beneath the basins.

All work performed for this investigation will conform to the Sampling and Analysis Plan (SAP) included as Appendix 1 to this Work Plan. Soil sampling activities will be conducted in accordance with the DTSC-approved, January 1996 Project Health and Safety Plan (HASP) with Addendums 1 and 2 dated March 2004 and May 2004, respectively. To summarize the SAP, soil borings will be advanced using either a hand auger or a Geoprobe drill. The bore-hole will be logged and the samples screened for pH values. A duplicate sample will be collected for every ten samples. A field blank will be processed to show the adequacy of the decontamination methods. A final report will be prepared which will include a description of the field operation, the resulting data, and the laboratory reports. The report will describe any unanticipated deviations from the Work Plan.

Step-out borings will be installed if the analytical findings from the samples proposed in this work plan require further investigation. The DTSC will be notified if additional work is necessary.

Pipeline Sample Depths
Etiwanda Generating Station

Bore-Hole ID	Depth of Pipe Invert (feet bgs)	Sample Depths	Comments
EP1-EP42	4	4,6,8	
EP43	4	4,6,8	
EP44	6	4,6,8,16	Adjacent to Sump
EP45	6	4,6,8,16	Adjacent to Sump
EP46	6	6,8,10	
EP47	6	6,8,10	
EP48	5	5,7,9	
EP49	5	5,7,9	Adjacent to Trap
EP50	5	5,7,9	Adjacent to Trap
EP51	3.5	4,6,8	Adjacent to Trap
EP52	5	5,7,9	
EP53	6	2,4,6,8,10,16	Adjacent tp Sump and shallow pipeline
EP54	6	6,8,10	
EP55	6	6,8,10	
EP56	5	5,7,9	
EP57	5	5,7,9	
EP58	5	5,7,9	
EP59	1	1,3,5	Below wash down slab
EP60	5	5,7,9	
EP61	5	5,7,9	Adjacent to Trap
EP62	3.5	4,6,8	Adjacent to Trap
EP63	5	5,7,9	Adjacent to Trap
EP64	2	2,4,6	
EP65	2	2,4,6	
EP66	2	2,4,6	
EP67	2	2,4,6	
EP68	2	2,4,6	



4 0 4 8 12 Miles

▲ Target Property

Target Property: Etiwanda Generation Facility

Source: Thomas Bros. Street Data

Thomas Bros. Maps®

Map Number:	g010823404
Issued For:	D. Chapa
Projection:	NAD83/UTM/Zone 11
Approved By:	D. Chapa
Checked By:	D. Chapa/Jim Schaefle
Project Lead:	Pat Turner
Supervisor:	Greta Bellis
Created By:	Jim Schaefle
Date:	11/03/01

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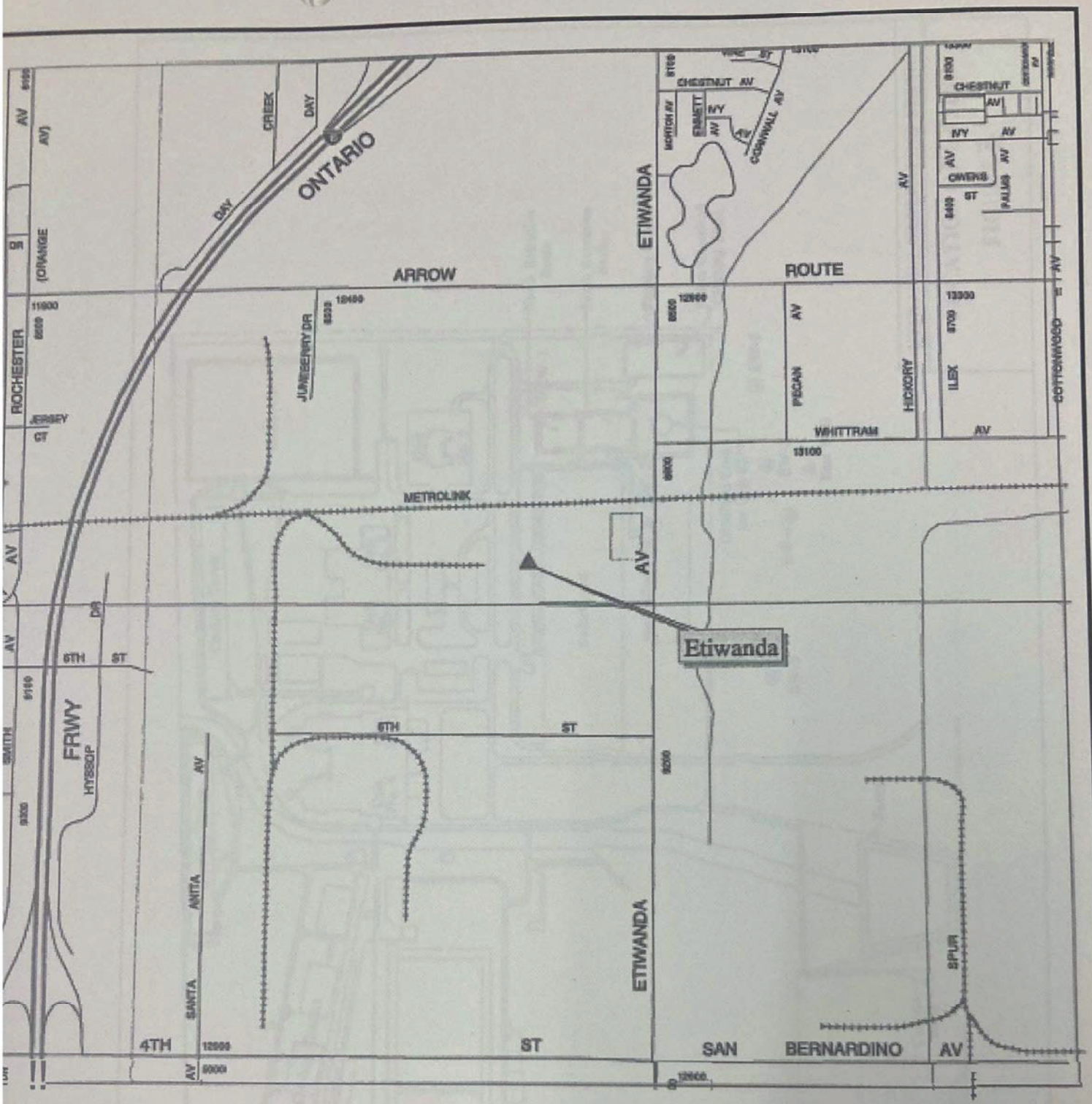
SOUTHERN CALIFORNIA EDISON

FIGURE 1



▲ Target Property

Target Property: Etiwanda Generation Facility

Source: Thomas Bros. Street Data

Map Number:	gs010823404
Issued For:	D. Chapa
Projection:	NAD83/UTM/Zone 11
Approved By:	D. Chapa
Checked By:	D. Chapa/Jim Schaefle
Project Leads	Pat Turner
Supervisor:	Chris Reilly
Created By:	Jim Schaefle
Date:	11/07/01

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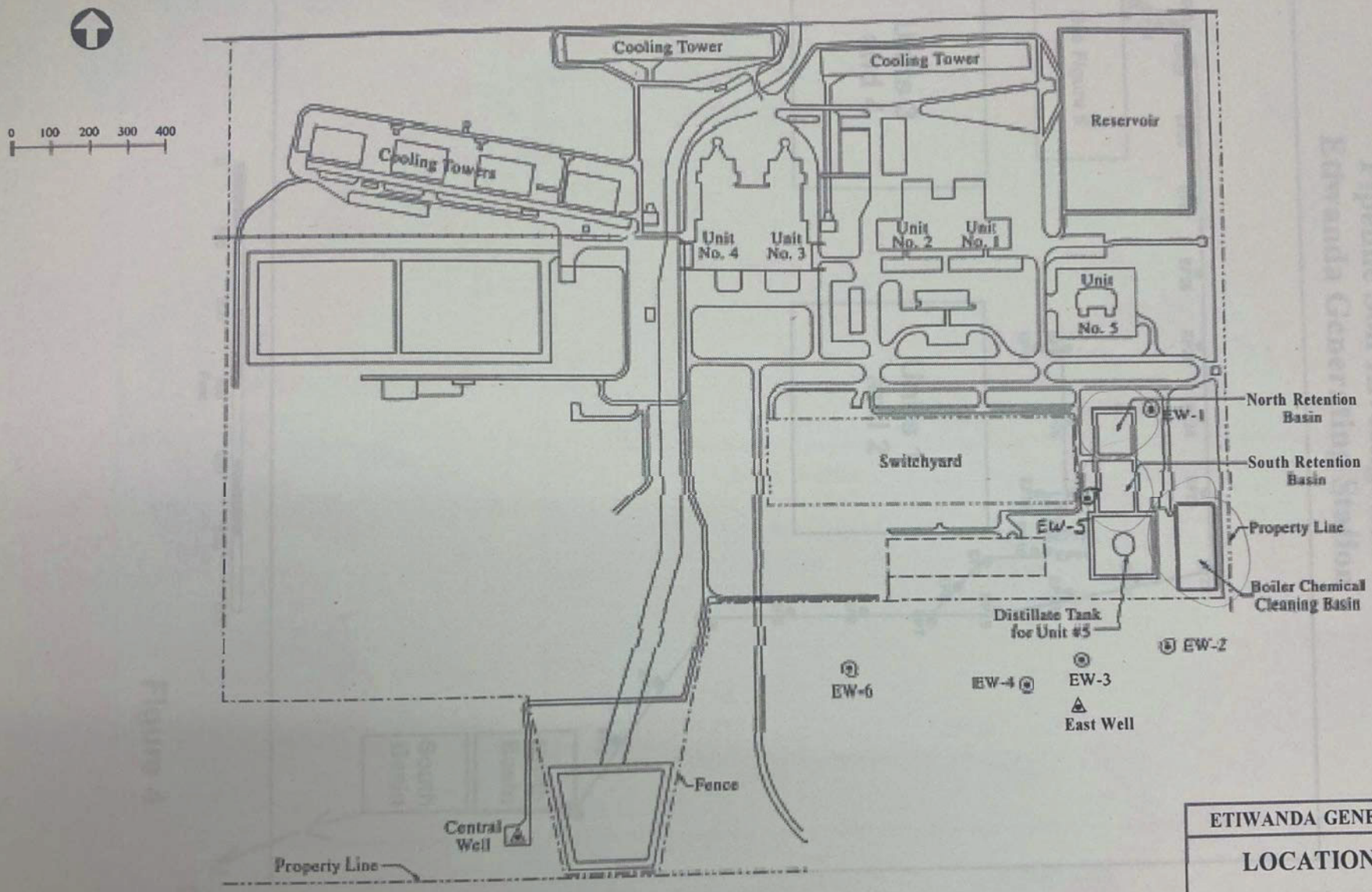
FIGURE 2



ETIWANDA GENERATING STATION

LOCATION OF BASINS

FIGURE 3

Pipeline Soil Investigation
Etiwanda Generating Station

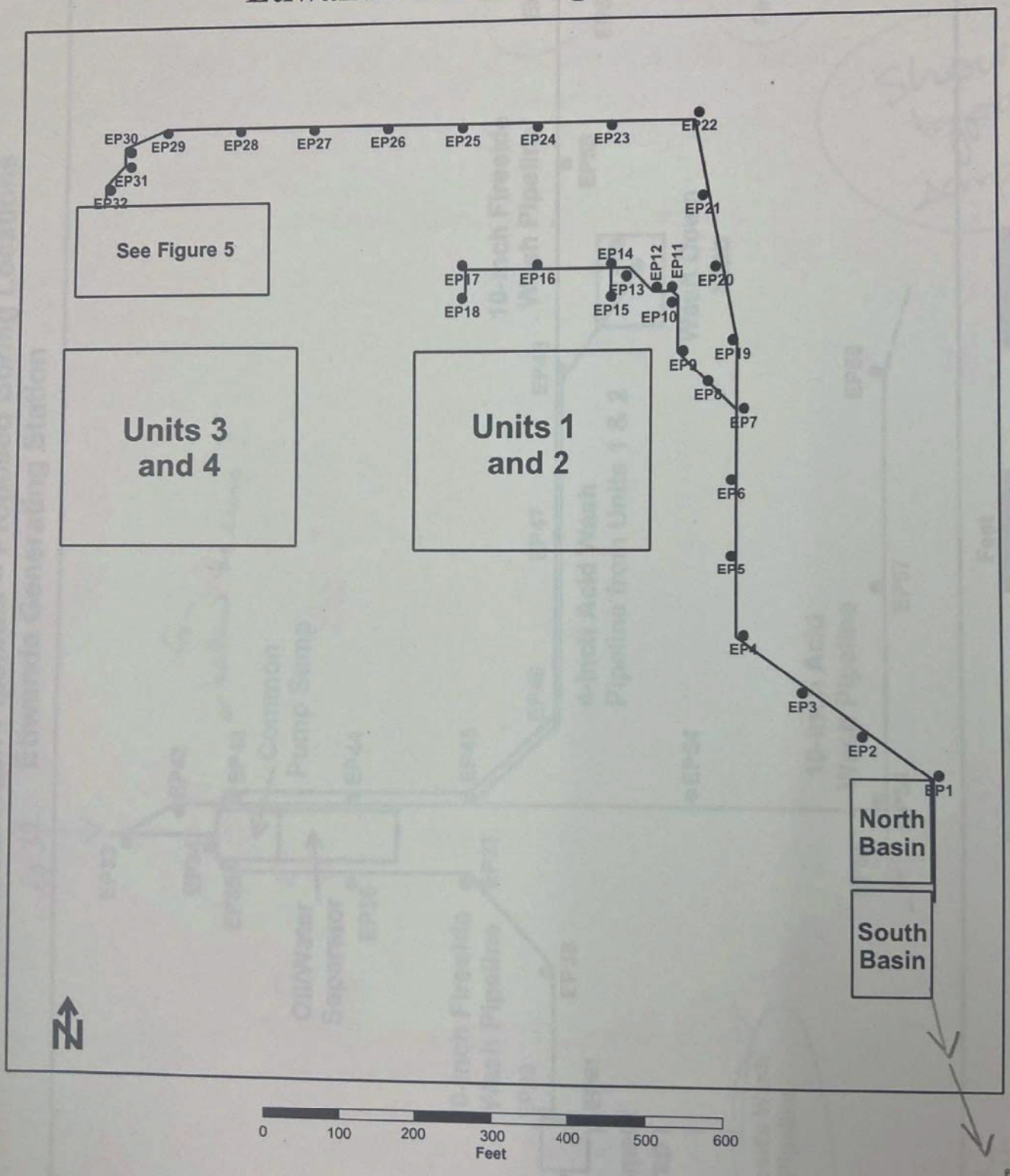


Figure 4

Chemical Wash Pipelines -- Proposed Boring Locations
Etiwanda Generating Station

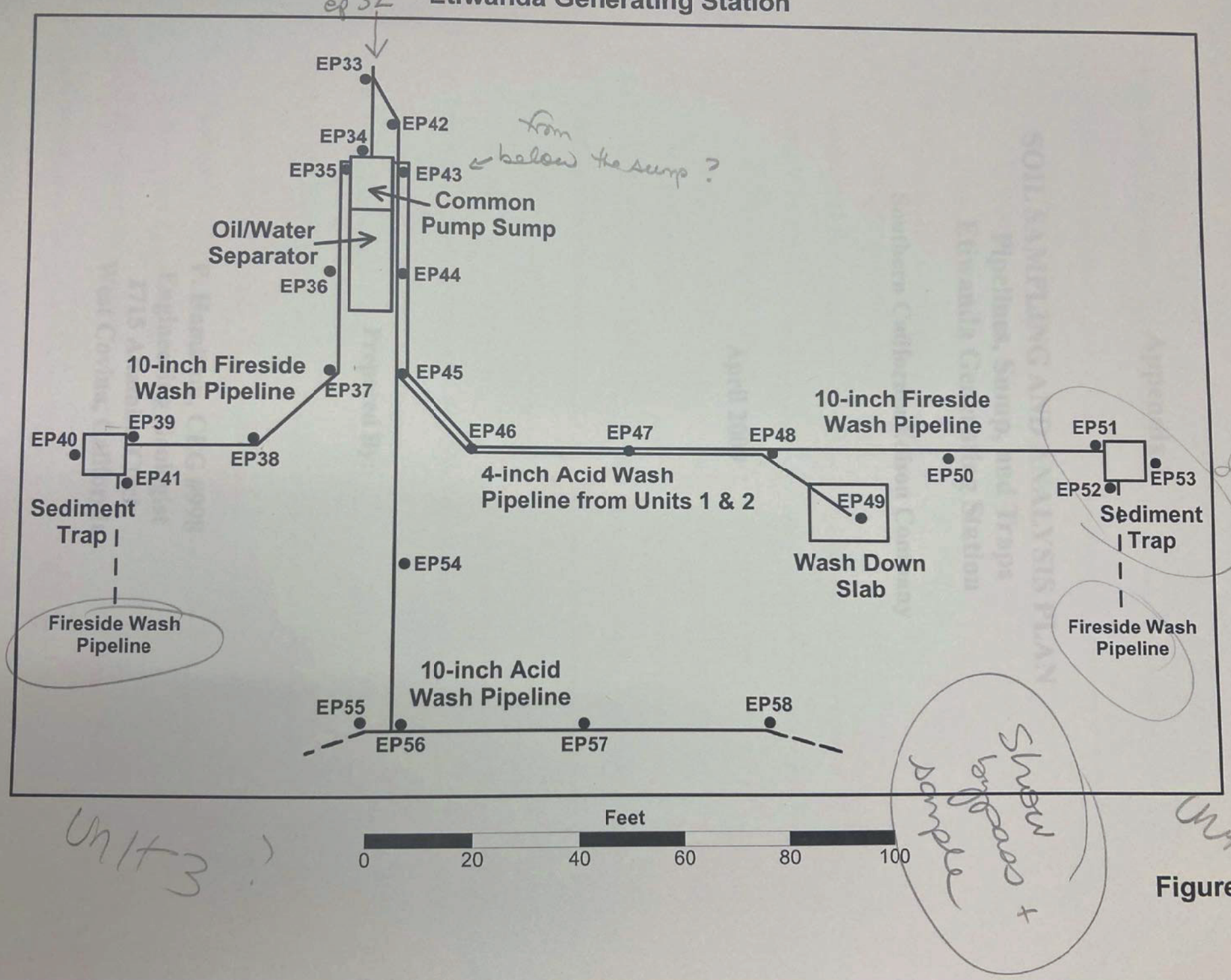


Figure 5

RRI Energy Etiwanda, Inc.
Etiwanda Generating Station
Facility ID FA0002943

Program 1 Risk Management Plan
For Compliance Year 2009

Submitted to:
RRI Energy Etiwanda, Inc.
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739

SAGE
ENVIRONMENTAL CONSULTING

Prepared by:
Sage Environmental Consulting, L.P
506 W. Vista Way
Vista, CA 92083

August, 2009

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RISK MANAGEMENT PLAN

DOCUMENT MANAGEMENT - RECORD OF REVISIONS

Revision No.	Revision Date	Description of Revision	Replaced Pages
001	8/7/2009	5-year update	All

RISK MANAGEMENT PLAN
DOCUMENT MANAGEMENT - UPDATE NOTICE

To all holders of RRI Energy Etiwanda Risk Management Plan: Revision No. 001

Date:

Attached are revised pages of the Risk Management Plan which has been assigned to you. Please remove pages in your book and replace with these revisions.

Pages to Remove	Replace with Revised Pages

SECTION 1
EXECUTIVE SUMMARY

Pursuant to the requirements of Title 40 Code of Federal Regulations Part 68.1 through 68.220 and Chapter 6.95, Article 2 of the California Health & Safety Code §25531 through §25543.3, this Risk Management Plan (RMP) is implemented as the California Accidental Release Prevention (CalARP) Program.

The scope of this RMP is based on the guidance of the Certified Unified Program Agency (CUPA), the San Bernardino County Fire Protection District (SBCFPD), to ensure that all contemporary issues are resolved and to incorporate state requirements. With input from the CUPA, the selective catalytic reduction (SCR) ammonia storage and handling system has been identified as the only process at the facility which triggers the CalARP / RMP requirements. This process was determined to be covered by Prevention Program 1 requirements (state-only applicability).

On March 31, 2004, the latest amendment to the Chemical Accident Prevention Rule (Risk Management Program) under the Clean Air Act Section 112 (r) (7) was signed. The amendment:

- Required a correction to reportable information on chemical accidents be added to the RMP within six (6) months of the date of the accident;
- Requires that changes to emergency contact information be corrected within one (1) month;
- Removes the requirement to include a brief description of the Off-site Consequence Analysis (OCA) in the RMP executive summary; and
- Adds three (3) RMP data elements.

In March, 2009 EPA released RMP*eSUBMIT software. Because the Etiwanda Generating Station does not keep federally regulated substances onsite in quantities above the federal threshold quantities, no federal submittal is required.

1.1 Accidental Release Prevention and Emergency Response Policies

It is the policy of RRI Energy (RRI) that its employees, environment, property, and the general public be protected from any harm that may occur as a result of its operations. To achieve this end, RRI strives to operate its facilities in compliance with applicable federal, state, and local safety, health, and environmental regulations.

RRI Energy implements its emergency response policies to comply with the overall corporate policy of providing its workers with a safe workplace and of minimizing risk to the public. The safety of emergency and non-affected personnel is the highest priority; therefore, all procedures must be implemented in the appropriate manner (e.g., safely executed rescue and medical activities). Protection of the environment is also a high priority. Once the issues of life, safety, and the environment are addressed, the secondary issues of property conservation and business recovery may be considered.

1.2 Facility Description

The Etiwanda Generating Station (Facility ID FA0002943) is located at 8996 Etiwanda Avenue in Rancho Cucamonga, California, about 2.5 miles northeast of the junction Interstates 10 and 15, and approximately 50 miles east of Los Angeles, California (34° 5' 29" north, 117° 31' 40" west). The elevation of the facility is approximately 1,200 feet above sea level. The station is located in a heavy industrial zone near the site of the former Kaiser Steel mill, now the California Speedway. The main area covers approximately 80 acres and is bounded by railroad tracks to the north, Etiwanda Avenue to the east, and by 6th Street to the south. A vicinity and location map is contained in Appendix A.

The Etiwanda Generating Station combusts pipeline grade natural gas to generate electricity. The plant comprises five generating units consisting of four (4) conventional steam turbine units and one (1) gas turbine peaking unit.

- Steam Units 1 and 2 are identical and began operating in 1953 and are nominally rated at 132 MW each. For economic and regulatory reasons, Units 1 and 2 were decommissioned in 2003 and are no longer operational.

- Steam Units 3 and 4 are also identical and began operating in 1963 and are nominally rated at 320 MW each. Both boilers utilize off-stoichiometric combustion (low excess air) to initially reduce nitrogen oxides (NO_x) formation. Units 3 and 4 are further controlled to South Coast Air Quality Management District (SCAQMD) Rule 2009 NO_x compliance levels with flue gas recirculation (FGR) and Selective Catalytic Reduction (SCR) as Best Available Control Technology (BACT). Units 3 and 4 are classified as major NO_x sources by the SCAQMD.

- Unit 5, nominally rated at 126 MW, was built in 1969 and became operational in 1970. Unit 5 consists of eight (8) Pratt & Whitney aero derivative gas generators, four (4) Worthington expander turbines, and generator. For economic and regulatory reasons, Unit 5 was decommissioned in 2003 and is no longer operational.

The regulated substance used at the facility above California's Threshold Quantity (TQ) is aqueous ammonia (ammonium hydroxide, 19% by weight). The ammonia is used in the SCR system for control of NO_x emissions from the main boilers of Units 3 and 4. All other regulated substances onsite are in quantities below applicable thresholds. No regulated substances are present at the Etiwanda Generating Station in quantities that exceed federal TQs.

1.2.1 Selective Catalytic Reduction

Aqueous ammonia (CAS 1336-21-6), 19% concentration by weight, with a vapor pressure of 3.8 psig at 60°F, is used in the SCR system to control NO_x emissions from two - 2,900 MMBTU/hr steam boilers (Units 3 and 4) as Best Available Control Technology (BACT). The SCR system reduces NO_x emissions by injecting ammonia into the boiler exhaust gas stream upstream of a catalyst matrix. Ammonia, NO_x, and oxygen react on the surface of the catalyst to form harmless nitrogen and water. The low temperature catalyst is comprised of vanadium pentoxide (V_2O_5) on a ceramic substrate and operates within a normal temperature range of 600°F to 750°F. A process flow diagram is contained in Appendix B.

1.2.2 Boiler Water Treatment

The Etiwanda Generating Station uses dilute hydrazine (N_2H_4) to remove oxygen from boiler water. Hydrazine is regulated under federal RMP and California Cal ARP regulations. The federal TQ is 15,000 pounds and the California TQ is 1,000 pounds.

The Etiwanda Generating Station receives 35 percent by weight hydrazine solution in 180 gallon totes. A tote contains approximately 530 pounds of hydrazine. The Etiwanda Generating Station has a maximum of one full and one half full tote onsite. The Etiwanda Generating Station personnel order a new tote when one of the totes is completely empty and the in-use tote is less than half full. The maximum hydrazine onsite is approximately 800 pounds. This is below both federal and California TQs. Under no circumstances will the Etiwanda Generating Station personnel allow the hydrazine onsite to reach or exceed 1,000 pounds.

1.2.3 Regulated Substances

Aqueous ammonia is a toxic substance above the CalARP threshold (19 CCR §2770.5, Table 3). No regulated flammable substances are present at the facility in excess of the threshold quantities under the regulation. All quantities of other materials are also below applicable thresholds.

- Aqueous ammonia, 19% by weight, 20,000 gallons (max), 30,000 pounds (max) as NH_3

Table 1-1 shows capacities for determination of CalARP applicability for Risk Management Planning (RMP). As shown below, the aqueous ammonia quantity onsite exceeds CalARP thresholds. Appendix C contains MSDS documents for aqueous ammonia. For the mass determination, a specific gravity of 0.9302 was used to calculate a density of 7.76 pounds per gallon for the 19% ammonium hydroxide (NH_4OH) solution.

Table 1-1 RMP/CalARP Substance Criteria for Applicable Materials and Quantities

Listed Substance	CAS No.	RMP / CalARP Threshold	Maximum Quantity
Aqueous Ammonia	1336-21-6	500 lbs. State	30,000 lbs.
(less than 20%)	(7664-41-7)		(as ammonia)
Vanadium Pentoxide	1314-62-1	10,000 lbs. State only	(Article Exemption)

Vanadium pentoxide (trade name VNX) is the active SCR catalyst material. VNX is a solid deposited on a ceramic honeycomb material (less than 5% in matrix), the design of which promotes interaction with the exhaust gas stream within the SCR. As such, VNX remains within the SCR and is not released to the atmosphere. This substance, therefore, meets the definition of an article (§2735.3) and is therefore exempted from the requirements of the CalARP program as per §2770.2(b)(3). VNX is not federally listed under 40 CFR 68 Appendix A.

1.3 Summary of Accidental Release Prevention Program

The Etiwanda Generating Station maintains quantities of aqueous ammonia used by the SCR NO_x reduction system in quantities that exceed the RMP threshold quantity. Therefore, RRI Energy is subject to the CalARP / RMP requirements. The facility is coded under:

- North American Industrial Classification System (NAICS) as 221112
- Standard Industrial Classification (SIC) 4911

In accordance with the CalARP regulations and with the guidance of the SBCFD as CUPA, it has been determined that the SCR system falls under the CalARP Prevention Program 1 requirement. The SCR process contains onsite an amount of aqueous ammonia that exceeds the TQ for the CalARP threshold.

Compliance with the CalARP comprehensive program validates the integrity of the processes which handle flammable or toxic materials. The objective of the regulation is to prevent accidental releases of hazardous chemicals. To control these types of hazards, RRI has developed the necessary expertise, experience, judgment and proactive initiative within their workforce to properly implement and maintain an effective prevention program. Through compliance with the regulations, standards, and with CUPA guidance, the RRI facility has implemented the requirements of the Prevention Program 1 pursuant to the qualifications of Title 19 CCR §2735(d):

1) No accidental releases of a regulated substance in the past five (5) years that have resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage.

2) The toxic or flammable endpoint distance for the worst-case release scenario is less than the distance to any public receptor as defined in Title 19 CCR §2735.3 and §2750.5.

3) Emergency response procedures have been coordinated between the source and local emergency response and planning organizations, e.g., fire department, environmental health.

1.3.1 Prevention Program 1 Elements

An effective program requires a systematic approach to evaluating the whole chemical process. Using this approach the following components were considered in the evaluation in accordance with Title 40 CFR 68.48 through 68.60 (Subpart C) and Title 19 CCR §2745.6. Program 1 includes four (4) elements:

Program 1 Elements (40 CFR 68.12 & 68.15)

- 5-Year Accident History
- Hazard Assessment (Offsite Consequence Analysis)
- Emergency Response Program
- Management System

1.3.2 Process Safety Information

In addition to implementation of the CalARP Prevention Program 1 elements, RRI has implemented specific safety features for the prevention, detection and control of releases of regulated (and other) substances at the RRI facility. The following are some of the control and detection equipment located in and around the facility to minimize the risk of an accident involving hazardous materials:

- Secondary tank containment (36,500 gallons)
- Pressure relief and safety valves
- High level alarms and shutoffs
- Ammonia gas detector/monitoring system
- Emergency shutdown devices (ESD)
- Fail-safe and interlock process controls (automatic)
- Emergency control stations (control room)

The various lines of defense that have been incorporated into the design and operation of the process to prevent or mitigate the release of hazardous chemicals have been evaluated and strengthened to assure their effectiveness at each level.

1.3.3 Seismic Walkdown

The Etiwanda Generating Station is located in Seismic Zone 4 near two of California's most active faults, the San Andreas and San Jacinto Faults. Both of these faults have the potential to generate a significant earthquake (Richter scale magnitude 6.9 to 7.3) in the near future. The nearby Cucamonga Fault also has the potential to generate a significant earthquake. Much of the region is underlain with a series of unmapped blind thrust faults that have no surface trace and can generate moderate (magnitude 6.8 or less) earthquakes.

Per CUPA requirements, a seismic walkdown has been performed on the aqueous ammonia system. Since the system is of recent design and construction (2001), the most current seismic standards are incorporated. Results are contained in Appendix D.

1.3.4 General Duty Clause

All facilities are subject to the federal General Duty Clause of the Clean Air Act Section 112(r)(1), which requires facilities to:

- Identify the hazards posed by the chemicals and assess the impacts of possible releases.
- Follow applicable building codes, design standards, and appropriate management practices to ensure the facility is properly constructed and maintained, and that the chemical is managed safely to prevent releases.
- Have a contingency planning process which would involve, if necessary, community responders to aid in an adequate response in the event of a release, and to minimize the consequences of accidental releases which do occur.

The information presented in this document demonstrates compliance with the General Duty Clause.

1.4 Five-Year Accident History

The SCR system was installed in 2001. There are no known EPA reported incidents, system failures, or abnormal conditions due to a malfunction involving a release of regulated substances from the covered process involving on-site impacts or off-site impacts during the past five years.

There have been no accidental releases from the aqueous ammonia storage and handling system at the Etiwanda Generating Station in the past five years that have resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage (Statute: 40 CFR 68.42).

1.5 Offsite Consequence Analysis Summary

Per April 9, 2004 amendments to the Chemical Accident Prevention rule (69 FR 18819), description of OCA is no longer required in the executive summary.

1.6 Emergency Response Program Summary

RRI has developed written emergency response procedures to address all elements that may be encountered during planning, response or follow-up of an emergency at the facility. Application of the emergency response procedures ensures compliance with CalOSHA Title 8 §3220 (Emergency Response Plan) and OSHA Standard 29 CFR 1910.38 (Emergency Response Plans or ERP). The basic concept of RRI's emergency procedures is to provide a comprehensive approach for managing emergencies. The four elements of this approach are prevention, preparedness, response, and recovery.

RRI's emergency procedures serve as a guide for emergency control staff, company personnel, emergency assistance groups and law enforcement agencies that may be called upon to participate in controlling an emergency within the facility and surrounding areas. These procedures include employee notification of emergencies and evacuation procedures for all emergency situations.

Pursuant to CUPA requirements (per 40 CFR 68.12 and 19 CCR §2745.8) emergency response procedures are in place in the event of a release of a regulated substance (aqueous ammonia). Emergency response training is conducted annually. The most recent emergency response training was conducted in 2008.

Actions to be taken by trained employees during the course of a release event include:

- Discovery, activation of alarms and interpretation of signals
- Safe area evacuation, assembly, and return (including visitors)
- Notification of public agencies including the San Bernardino County Fire Protection District (SBCFPD), and the California Office of Emergency Services as necessary
- Determination of response strategy, delegation of authority, and incident command
- Use of response equipment and other release mitigation activities
- Post-release equipment and personnel cleanup and decontamination

Additional information contained in the ERP includes:

- A list of resources for emergency health care
- Information regarding the training of employees
- Requirements for offsite response assistance if necessary, including fire-fighting, hazardous materials response, security, and notification of the public

- Listing of the name, location, and emergency phone number of each identified institutional vulnerable population (schools, daycare, hospitals) within 1 mile of the facility

1.7 Management System Summary

Pursuant to Title 19 CCR §2735.6, a program management system has been established to oversee the implementation of the RMP elements. Management system components for this facility include:

- Identification of the qualified person/position with responsibility for coordinating the RMP
- Organizational chart showing the positions with tasks involving the aqueous ammonia storage and handling system
- Roles and responsibilities of positions at the facility

SECTION 2
FIVE-YEAR ACCIDENT HISTORY

The SCR system was installed in 2001. There are no known EPA reported incidents, system failures, or abnormal conditions due to a malfunction involving a release of regulated substances from the covered process involving on-site impacts or off-site impacts during the past five years.

There have been no accidental releases from the aqueous ammonia storage and handling system at Etiwanda Generating Station in the past five years that have resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage (Statute: 40 CFR 68.42).

2.1 Recordkeeping and Reporting

All accidents and incidents which results in death, injury, or tangible physical effects to the facility, surrounding vicinity, or environment must be recorded and reported to the appropriate administering agencies.

- Incidents which result only in revenue loss due to plant shutdown are not reportable
- Records shall be maintained for a minimum period of five (5) years from the date of the incident
- Detailed recordkeeping and reporting procedures are contained in the 40 CFR 68 Guidance Document (EPA 550-B-98-003)

SECTION 3
OFFSITE CONSEQUENCE ANALYSIS

The Offsite Consequence Analysis (OCA) is the primary component of the Hazard Assessment element of the RMP / CalARP program. For Prevention Program 1 facilities, the OCA consists of analysis for the worst-case release scenario of applicable processes from the stationary source. By definition, the worst-case release scenario results in the greatest distance from the point of release to a specified toxic endpoint. The worst-case analysis shows the greatest possible consequence of a release.

The ammonia supply system consists of two (2) aboveground 10,000 gallon tanks equipped with pressure relief valves, level indicators, temperature and pressure gauges, transfer pumps, high-level alarms, and associated valves and fittings. The secondary containment capacity is 36,500 gallons, or 180% of maximum tank capacity. Operational tank capacity is limited to 85% or 8,500 gallons each tank. The piping consists of both 1-inch and 2-inch lines with a branch to the boiler water treatment system. For the mass determination, a specific gravity of 0.9302 as used to calculate a density of 7.76 pounds per gallon for the 19% ammonium hydroxide (NH_4OH) solution.

The aqueous ammonia is pumped to a vaporizer on each unit, mixed with air, and injected into the boiler exhaust upstream of the SCR. Aqueous ammonia is also used in the boiler water treatment system. The tanks are owned by RRI and the ammonia is supplied by a qualified vendor. The tanks are certified for conformance with the American Society of Mechanical Engineers (ASME) code for low pressure vessels.

3.1 Worst-Case Release Scenario for Toxics

The worst-case release scenario for toxic substances, as defined in the regulation, is a release of toxic materials resulting in a vapor cloud of the maximum inventory of the largest quantity of a regulated substance from a vessel or process line failure that results in the greatest distance to a specified endpoint. The distance to the endpoint is the distance a toxic vapor cloud that will travel before dissipating to a concentration less than that of the toxic endpoint.

The contents of the single largest vessel or pipeline is assumed to be released instantaneously. By instantaneously, the regulation specifies a time period of ten minutes. The worst-case release scenario modeled for the facility is a sudden release of the entire volume of aqueous ammonia stored in the largest tank.

The OCA assumes a worst-case catastrophic (instantaneous) release of the entire contents of the largest tank. The two largest aqueous ammonia tanks are each 10,000 gallons and are located within the secondary containment area. Administrative controls limit operating inventory of each tank to 85% of maximum or 8,500 gallons. The OCA assumes all the contents of both tanks are released within the 1,395 square foot secondary containment area in ten minutes. The ammonia release rate is 29.3 pounds per minute. The secondary containment area has the capacity to hold 36,500 gallons, more than both 10,000 gallon aqueous ammonia storage tanks and their associated piping components.

3.1.1 Release Scenario and Release Parameters

Table 3-1 shows the worst-case scenario parameters.

Table 3-1. Worst-Case Release Scenario and Parameters

Release Parameter	Value
Regulated Substance Name	Aqueous ammonia, 19% [1]
Physical State	Liquid solution at ambient temp.
CAS No.	1336-21-6 (7664-41-7)
Scenario	Worst case
Quantity Released	160,000 pounds of solution
Liquid Temperature	66 degrees F (average annual)
Release Duration	Instantaneous (10 minutes)
Ammonia Release Rate	29.3 pounds/minute
Mitigation Measures	Secondary containment (1395 sq. ft.)
Topography	Urban (per SCAQMD guidance)
Toxic endpoint	0.14 mg/L; basis: ERPG-2
Estimated Distance to Toxic endpoint	0.1 miles (0.2 kilometers)
Public Receptors Impacted	None
Wind Speed (assumed default)	1.5 meters/second (3.4 miles/hour)
Stability Class (assumed default)	Class F
Air Temperature (assumed default)	77 degrees F (25 degrees C)

[1]RMP*Comp uses 20%, the lowest concentration that is federally regulated.

3.1.2 OCA Methodology

The OCA was performed with the RMP*Comp version 1.07 consequence analysis program. The locations of the ammonia storage tanks are mapped with respect to nearby public receptors. The nearest public receptor (industrial area) is approximately 0.15 miles southwest of the facility. The site location and site plan are shown in Appendix A.

3.1.3 Meteorological Data

For worst-case analyses, RMP*Comp assumes wind speed of 1.5 meters/seconds (3.4 miles/hour), stability class F, and air temperature of 77 °F (25 °C).

3.1.4 OCA Results

The maximum inventory from both tanks, not including administrative controls, is used for the worst-case analysis. Although the ammonia storage tanks and piping are protected by high level alarms/shutdowns, pressure relief valves, periodic inspections, and routine monitoring by operating personnel, it must be assumed that the maximum accidental release takes place. Based on this worst-case assumption, the consequences of an accidental release depend on the conditions of the release and the conditions at the site at the time of the release. In an actual accidental release the conditions may be different than the assumed worst-case release scenario.

The worst-case release scenario identified no off-site impacts. The impact area is entirely within the facility fenceline and does not include public receptors. For a hypothetical worst-case release vapor cloud, the estimated toxic endpoint distance is approximately 0.1 miles.

Complete results of RMP*Comp version 1.07 consequence analysis are contained in Appendix E. The 0.1 mile endpoint radius is shown in Appendix A.

3.2 Offsite Impacts to Public Receptors

The Etiwanda Generating Station is located at 8996 Etiwanda Avenue in Rancho Cucamonga, California, about 2.5 miles northeast of the junction Interstates 10 and 15, and approximately 50 miles east of Los Angeles, California (34° 5' 29" north, 117° 31' 40" west). The elevation of the facility is approximately 1,200 feet above sea level. The station is located in a heavy industrial zone near the site of the former Kaiser Steel Mill, now the California Speedway. The main area covers approximately 64 acres and is bounded by railroad tracks to the north and Etiwanda Avenue to the east.

As required for Prevention Program 1, there are no defined public receptors (residential, institutional, recreational, commercial or industrial) impacted by the facility. The nearest industrial business is 550 feet to the north and the next nearest is 760 feet to the southwest. Etiwanda Avenue is contiguous with the eastern property line of the facility. Since the ammonia tanks are located near the center of the facility, Etiwanda Avenue is beyond the 0.1 mile toxic endpoint radius. Two institutions are located approximately 0.5 mile south of the facility, the West Valley Detention Center (capacity 3200 inmates) and the West Valley Detention Center Juvenile Hall (capacity 350 inmates), and are well beyond the 0.1 mile endpoint. Interstate 15 is more than one (1) mile west of the facility and would not be impacted by a release. A 1-mile radius map is presented in Appendix A.

SECTION 4
EMERGENCY RESPONSE PROGRAM

The Emergency Response Plan (ERP) is implemented to comply with the overall RRI policy of providing its workers with a safe workplace and minimizing risk to the public. The safety of emergency and non-affected personnel is the highest priority. Therefore, all procedures must be implemented in the appropriate manner (e.g., safely executed rescue and medical activities). Protection of the environment is also a high priority. Once the issues of life, safety, and the environment are addressed, the secondary issues of property conservation and business recovery may be considered.

Pursuant to CUPA requirements (per 40 CFR 68.12 and 19 CCR §2745.8) emergency response procedures are in place in the event of a release of a regulated substance (aqueous ammonia). Emergency response training is conducted annually. The most recent emergency response training was conducted in 2008.

Actions to be taken by trained employees during the course of a release event include:

- Discovery, activation of alarms and interpretation of signals
- Safe area evacuation, assembly, and return (including visitors)
- Procedures to notify public agencies including the San Bernardino County Fire Protection District (SBCFPD), the California Emergency Management Agency (CalEMA) and the National Response Center as necessary
- Determination of response strategy, delegation of authority, and incident command
- Use of response equipment and other release mitigation activities
- Post-release equipment and personnel cleanup and decontamination

Additional information contained in the ERP includes:

- A list of resources for emergency health care
- Information regarding the training of employees
- Requirements for offsite response assistance if necessary, including fire-fighting, hazardous materials response, security, and notification of the public
- Listing of the name, location, and emergency phone number of each identified institutional vulnerable population (schools, daycare, hospitals) within 1 mile of the facility

This plan has been coordinated with the San Bernardino County Fire Protection District (SBCFPD), (909) 386-8401. A copy of the plan is provided in Appendix F.

SECTION 5
MANAGEMENT SYSTEM

A general organization chart showing the Risk Management Program with lines of authority is presented in Figure 5-1. The management system oversees the implementation of the RMP elements in order to manage the risk of a chemical release at this facility.

5.1 RMP Management Tasks

Pursuant to CFR 68.15 and 19 CCR §2735.6, a program management system has been established to oversee the implementation of the RMP elements. Management system components for this facility include:

- Identification of the qualified person/position with responsibility for coordinating the RMP;
- Organizational chart showing the positions with tasks involving the aqueous ammonia storage and handling system; and
- Roles and responsibilities of positions at the facility.

5.2 RMP Coordinator

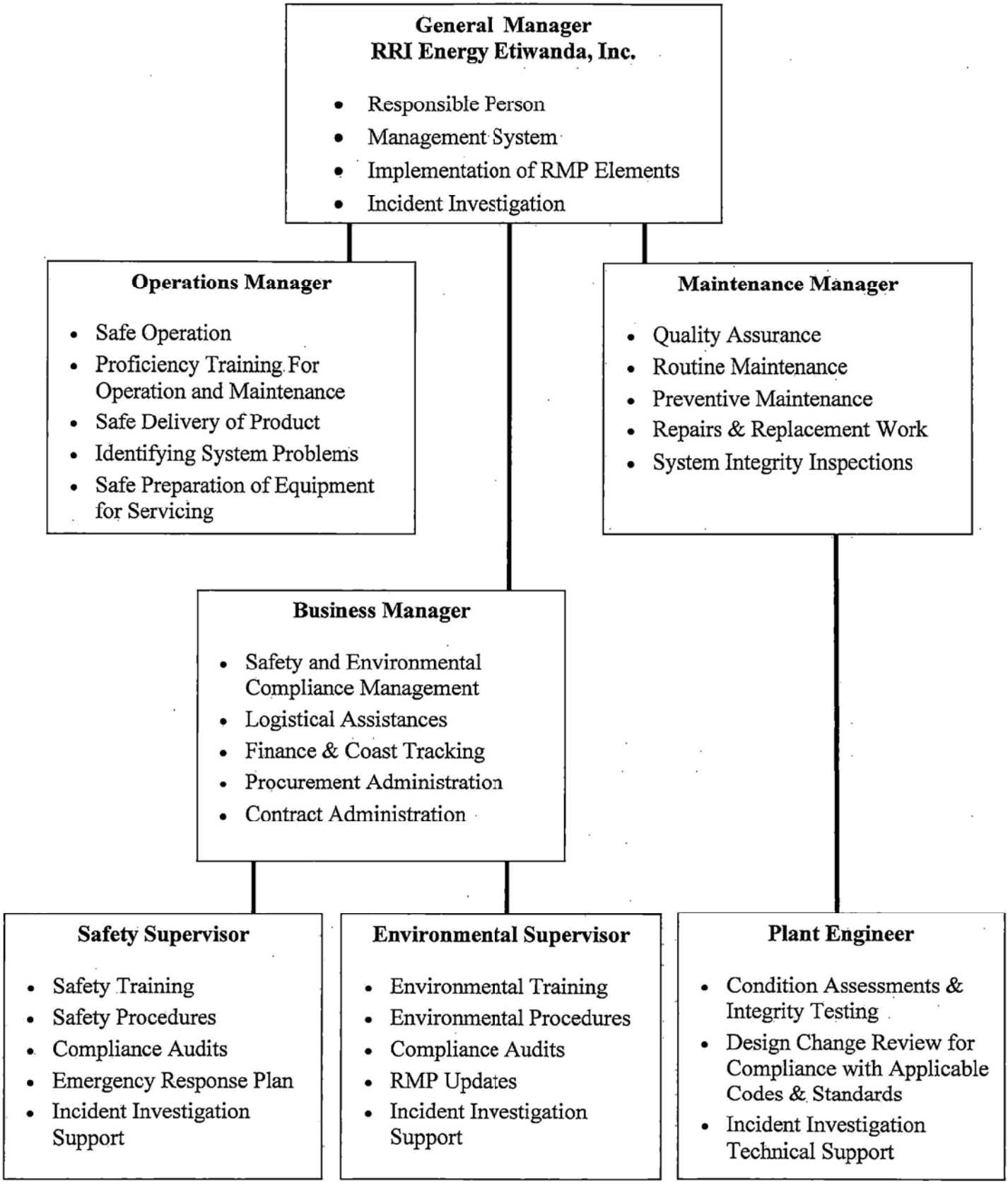
The General Manager is the RMP Coordinator and has responsibility for the development, implementation and integration of the Prevention Program 1 elements. The RMP Coordinator duties specifically include:

- Assigning RMP roles and responsibilities to operating staff;
- Ensuring that operating staff roles and responsibilities do not overlap or conflict;
- Ensuring that process changes are communicated to operating staff with a need to know;
- Promoting operating staff teamwork;
- Developing an ongoing methodology for identifying hazards and managing risk; and
- Documenting the RMP management system.

5.3 Organizational Chart

Figure 5-1 is an organizational chart is provided which outlines the titles and duties of those individuals responsible for aspects of the aqueous ammonia storage and handling system.

Figure 5-1
Risk Management Organization Chart



5.4 Staff Positions

The roles and responsibilities for each position listed on the organizational chart pertaining to the aqueous ammonia storage and handling system, and those with duties relating to the review and maintenance of the RMP are described below. Appendix G presents the roles and responsibilities of RRI staff.

General Manager (Owner's Representative): The RRI Energy General Manager for the Etiwanda Generating Station is responsible for the development, implementation and integration of the risk management program elements. Is also responsible for the overall management of the facility and works in concert with the Operations, Maintenance and Business Managers to ensure that the facility is operated and maintained properly.

Operations Manager: Is responsible for the following; safe operations of the aqueous ammonia storage and handling systems, for identifying problems, the proper preparation of the systems for servicing and overseeing the delivery of product. The Operations Manager reports to the General Manager.

Maintenance Manager: Is responsible for integrity inspections of the system, routine servicing, maintaining the system and quality assurance of the work performed on the systems. The Maintenance Manager reports to the General Manager.

Business Manager: Is responsible for overall safety and environmental supervisors. The Business Manager is also responsible for locating, organizing and providing facilities, services, and materials for the incident and is also responsible for tracking all cost and evaluating the financial resources for supplies and contractor assistance. The Business Manager reports to the General Manager.

Safety Supervisor: Is responsible for overall safety, safety training, safety procedures, emergency response, and compliance auditing of the facility and supporting incident investigations. The Safety Supervisor reports to the Business Manager.

Environmental Supervisor: Is responsible for overall environmental compliance, environmental training, emergency response, updates and compliance auditing of the facility and supporting incident investigations. The Safety Supervisor reports to the Business Manager.

Plant Engineer: Is responsible for performing assessment, integrity testing, providing the technical expertise for any modification or upgrade of the system and overseeing management of change. The Plant, Engineer reports to the Maintenance Manager and may report to the Operations Manager depending on work scope.

SECTION 6
PROCESS SAFETY INFORMATION

6.1 NAICS Code

The NAICS code for Etiwanda Generating Station is 221112.

6.2 Chemical Name

The chemical addressed here is aqueous ammonia (19% ammonia in water solution); IUPAC name is ammonium hydroxide (NH_4OH).

6.3 Safety Information

In addition to implementation of the CalARP Prevention Program 1 elements, RRI has implemented specific safety features for the prevention, detection and control of releases of regulated (and other) substances at the RRI facility. The following are some of the control and detection equipment located in and around the facility to minimize the risk of an accident involving hazardous materials:

- Secondary tank containment (36,500 gallons)
- Pressure relief and safety valves
- High level alarms and shutoffs
- Ammonia gas detector/monitoring system
- Emergency shutdown devices (ESD)
- Fail-safe and interlock process controls (automatic)
- Emergency control stations (control room)

Table 6-1 shows the ammonia storage inventory and safety information. This safety information includes information pertaining to the hazards of the chemical and the technology and equipment of the ammonia storage system. The tanks are owned by RRI. A qualified vendor supplies the aqueous ammonia. The process is designed in compliance with recognized and generally accepted good engineering practices. Compliance with federal or state regulations that address industry-specific safe design or with industry-specific design codes and standards may be used to demonstrate compliance with this section. The Material Safety Data Sheet (MSDS) is provided in Appendix C.

The EPA Guidance Document for RMPs identifies that the purpose of compiling and providing Safety Information (per 40 CFR 68.48 and 19 CCR §2755.1) is to ensure that the safety-related aspects of the equipment and processes are understood, the limits thus placed on operations are known, and accepted standards and codes are adopted where they apply. The compilation of written process safety information also enables operating staff to identify and understand the hazards posed by this process.

Table 6-1. Aqueous Ammonia Storage Safety Information

Item	Description
MSDS: 19% Aqueous Ammonia	On file See Appendix C
Specific Gravity & Density	0.93 © 60 °F 7.76 lb/gal
Vapor Pressure	9.1 psia @ 60 °F
Maximum Intended Inventory	17,000 gallons (85%) (131,900 lbs.)
Total Tank Capacity	20,000 gallons in two equal-size tanks (155,200 lbs.) (Palmer Mfg. & Tank)
Secondary Containment	36,500 gallons (180%) (1395 sq. ft. x 3.5 ft. deep)
Temperature	Ambient (annual average 66 °F) Max. 250 °F @ 25 psi controlled by PVC
Pressure	Maximum: 25 psi @ 250 °F Minimum: 2 inches WC vacuum @ 20 °F
Temperature Indicator	Honeywell Model STT25, RTD type
Pressure Indicator	Weiss Instruments, 0-100 psig, Bourdon tube
Pressure-Vacuum Control (PVC)	Whessoe 2440/2450 Series, 25 psig, 2" WC
Level Transmitter Gauge	Magnetrol Thermatel Series TD/TS Option F/L
Toxic Gas Detector	International Sensor Tech. Model MP 202/204 (3 x 4 channel)
Ammonia Pumps	Procon Positive Displacement Rotary Vane Series 3, 15-140 gph (1.5 gpm)
Automatic/Emergency Shutdown	Flowtect Vane Operated Flow Switch Model V4-2-U
Manual Shutdown Control	Manual ball valves Control room pump/fan switches
Tank Design Codes & Standards (2000)	ASME code, Section VIII, Division 1, addenda "2000", stamp "U", Seismic Zone 4
Building Codes (2000)	1998 CA Building Code (Title 24) per 1997 UBC, UPC, UMC, & 1996 NEC, Seismic Zone

6.4 Seismic Walkdown

The Etiwanda Generating Station is located in Seismic Zone 4 near two of California's most active faults, the San Andreas and San Jacinto Faults. Both of these faults have the potential to generate a strong earthquake (Richter scale magnitude 6.9 to 7.3) in the near future. The nearby Cucamonga Fault also has the potential to generate a strong earthquake. Much of the region is underlain with a series of unmapped blind thrust faults that have no surface trace and can generate moderate (magnitude 6.8 or less) earthquakes. Active and potentially active faults in the vicinity of Etiwanda Generating Station are listed in Table 6-2.

Table 6-2. Etiwanda Generating Station Nearby Faults

Fault Name	Closest Segment	Activity Status
Chino	13 miles southwest	Potentially Active
Cucamonga	5 miles north	Active/EFZ
Indian Hill	11 miles northwest	Potentially Active
Lytle	9 miles northwest	Potentially Active
Red Hill	4 miles northwest	Potentially Active
Rialto-Colton	6 miles east	Potentially Active
San Andreas	13 miles northeast	Active/EFZ
San Antonio	11 miles northwest	Potentially Active
San Gabriel	14 miles northwest	Potentially Active
San Jacinto	9 miles northeast	Active/EFZ
San Jose	10 miles west	Potentially Active

Table 6-2 Notes:
Potentially Active = Evidence of displacement in the last 1.7 million years (Late Quaternary). Active = Last 11,000 years (Holocene) or last 200 years (Historic).
EFZ = a nearby fault segment is a designated Earthquake Fault Zone under the Alquist-Priolo Act.

Per CalARP Program Guidance Document Sections 1.3 and 1.4, registered substance (RS) systems and components designed in accordance with the 1997 UBC / 2000 IBC (or later) provisions provide reasonable assurance of withstanding earthquake effects without either structural failure or a release of RS having offsite consequences. Conditions that may make a partial or entirely new seismic assessment necessary may include:

- Major changes in estimated ground motions.
- Significant system modifications, such as changing or addition of equipment or processes.
- The occurrence of an earthquake since the latest assessment.
- The occurrence of other events (e.g., explosion) that have caused structural damage.
- Significant deterioration (e.g., corrosion) in structural members or anchorages.

Per CUPA requirements, a seismic walkdown has been performed on the aqueous ammonia system. Since the system is of new design and construction (2001), the most current seismic standards are incorporated. Results are contained in Appendix D.

6.5 General Duty Clause

All facilities are subject to the federal General Duty Clause (CAA Section 112(r)(1)), which requires facilities to:

- Identify the hazards posed by the chemicals and assess the impacts of possible releases.
- Follow applicable building codes, design standards, and appropriate management practices to ensure the facility is properly constructed and maintained, and that the chemical is managed safely to prevent releases.
- Have a contingency planning process which would involve, if necessary, community responders to aid in an adequate response in the event of a release, and to minimize the consequences of accidental releases which do occur.

The information presented in this document demonstrates compliance with the General Duty Clause.

SECTION 8
REGISTRATION FORM

LEPC REGION 1

RISK MANAGEMENT PLAN REGISTRATION

REGISTRATION TYPE ☒ New ☐ Update UPDATE TYPE ☐ Add ☐ Delete ☐ Revise

EPA ID NUMBER: *n/a*	FACILITY I.D. NUMBER *FA0002943*		NUMBER OF FULL-TIME EMPLOYEES: *31*
DBA/BUSINESS NAME: *Etiwanda Generating Station*			
BUSINESS LOCATION: STREET *8996 Etiwnada Ave.*			
CITY *Rancho Cucamonga*	COUNTY *San Bernadino*	CA ZIP *91739*	
LATITUDE *34° 5' 29" north*	LONGITUDE *117° 31' 40" west*	DUNS *n/a (no debt)*	
PARENT COMPANY NAME *RRI Energy, Inc.*		PARENT COMPANY DUNS *00820.0680*	
OWNER/OPERATOR NAME *RRI Energy Etiwanda, Inc.*		PHONE *(909) 899.7220*	
MAILING ADDRESS STREET *8996 Etiwanda Ave.*			
CITY *Rancho Cucamonga*		CA ZIP *91739*	
RMP CONTACT NAME *Paul Lacroix (909) 899-7290*		TITLE *ES&H Engineer*	
EMERGENCY CONTACT NAME *Paul Lacroix (909) 899-7290*		TITLE *ES&H Engineer*	
24-HOUR PHONE *(909) 899-7246 (Control Room)*		PHONE *(909) 899-7208*	
LAST SAFETY INSPECTION DATE: *n/a*		AGENCY *San Bernardino Cty. Fire Dept.*	
SOURCE SUBJECT TO Title 8, Sec. 5189 ☒ Yes No	SOURCE SUBJECT TO 40 CFR 355? Yes ☒ No	CAA TITLE V OPERATING PERMIT? Yes ☒ No	

COVERED PROCESS NO. ONE: *Selective Catalytic Reduction*

NAICS CODE: *221112* ☐ 3

PROGRAM LEVEL: EI 1 ☐ 2

Regulated Substance Chemical Name		CAS Number	Concentration (wt %)	Maximum Qty. (lbs)
1.	*Ammonia, aqueous*	*7664417*	*19%*	*30,000*
2.				
3.				

COVERED PROCESS NO. TWO:

NAICS CODE: ☐ 3

PROGRAM LEVEL: ☐ 1 ☐ 2

Regulated Substance Chemical Name		CAS Number	Concentration (wt %)	Maximum Qty.. (lbs)
1.				
2.				
3.				

COVERED PROCESS NO. THREE:

NAICS CODE: ☐ 3

PROGRAM LEVEL: ☐ 1 ☐ 2

Regulated Substance Chemical Name		CAS Number	Concentration (wt %)	Maximum Qty.. (lbs)
1.				
2.				
3.				

APPENDIX A
LOCATION MAPS

A1. Location Vicinity Map

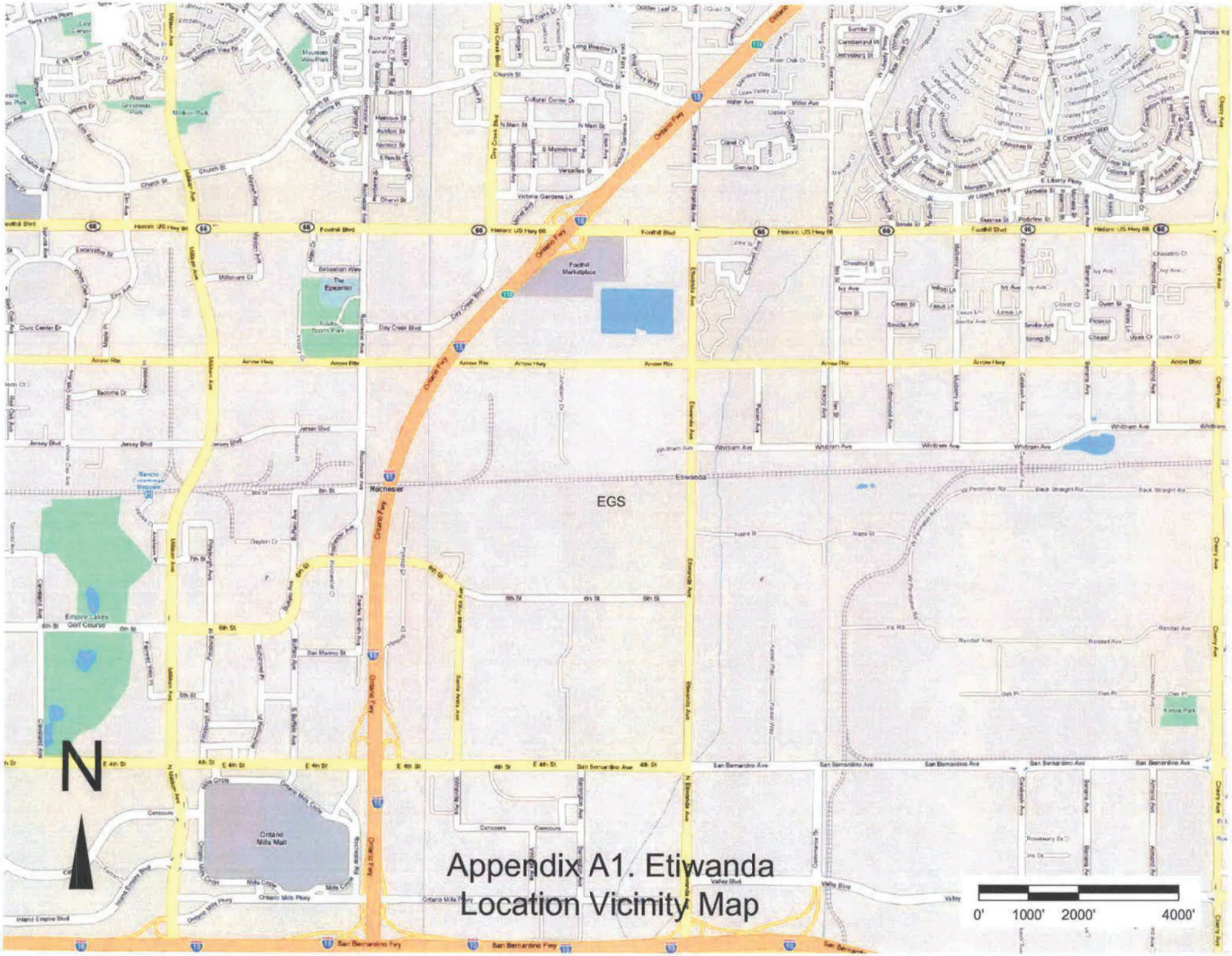
A2. Radii Map

A3. Site Map

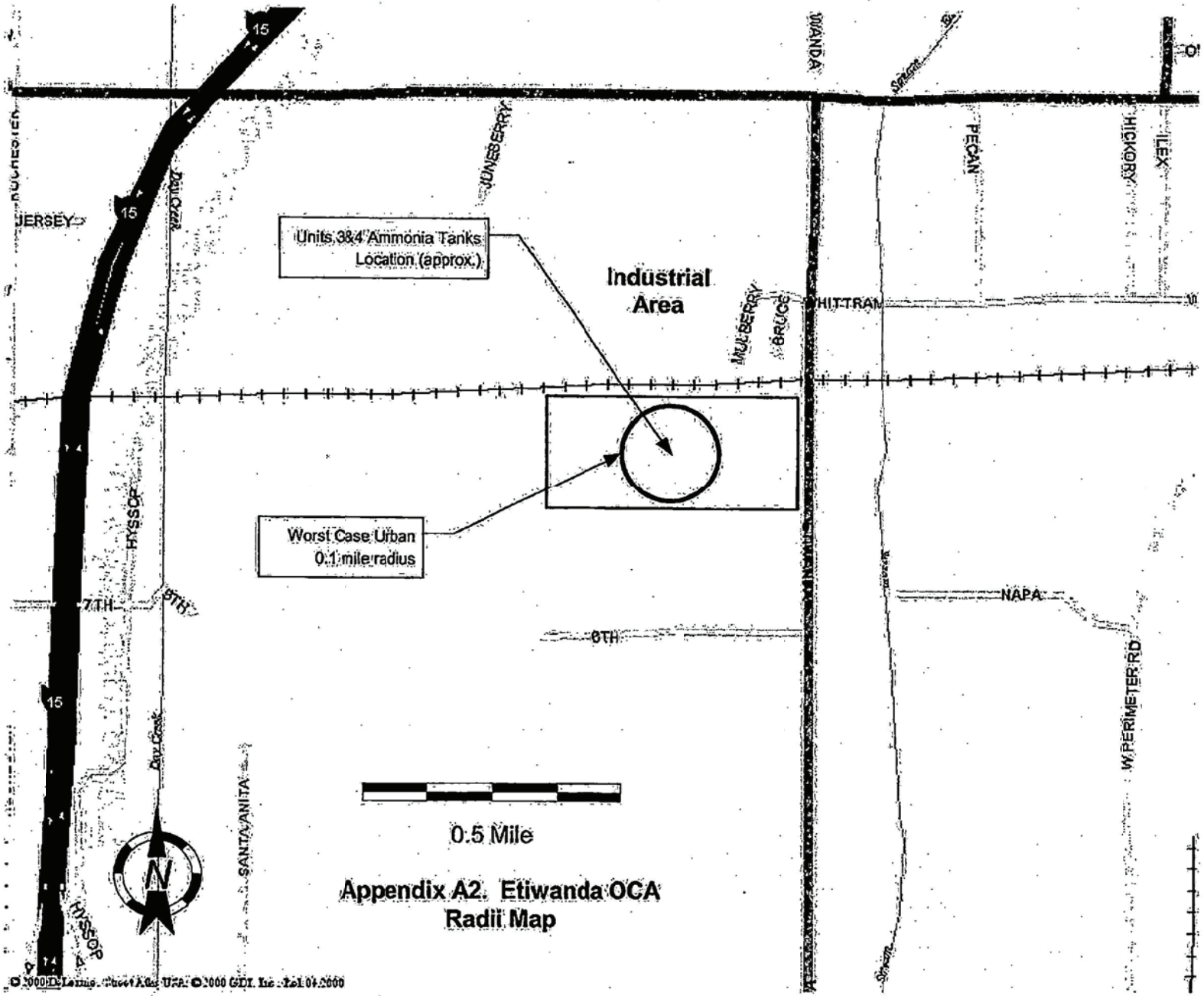
A4. Site Plan

A5. 1-Mile Receptor Map

A6. Locations of Nearest Receptors



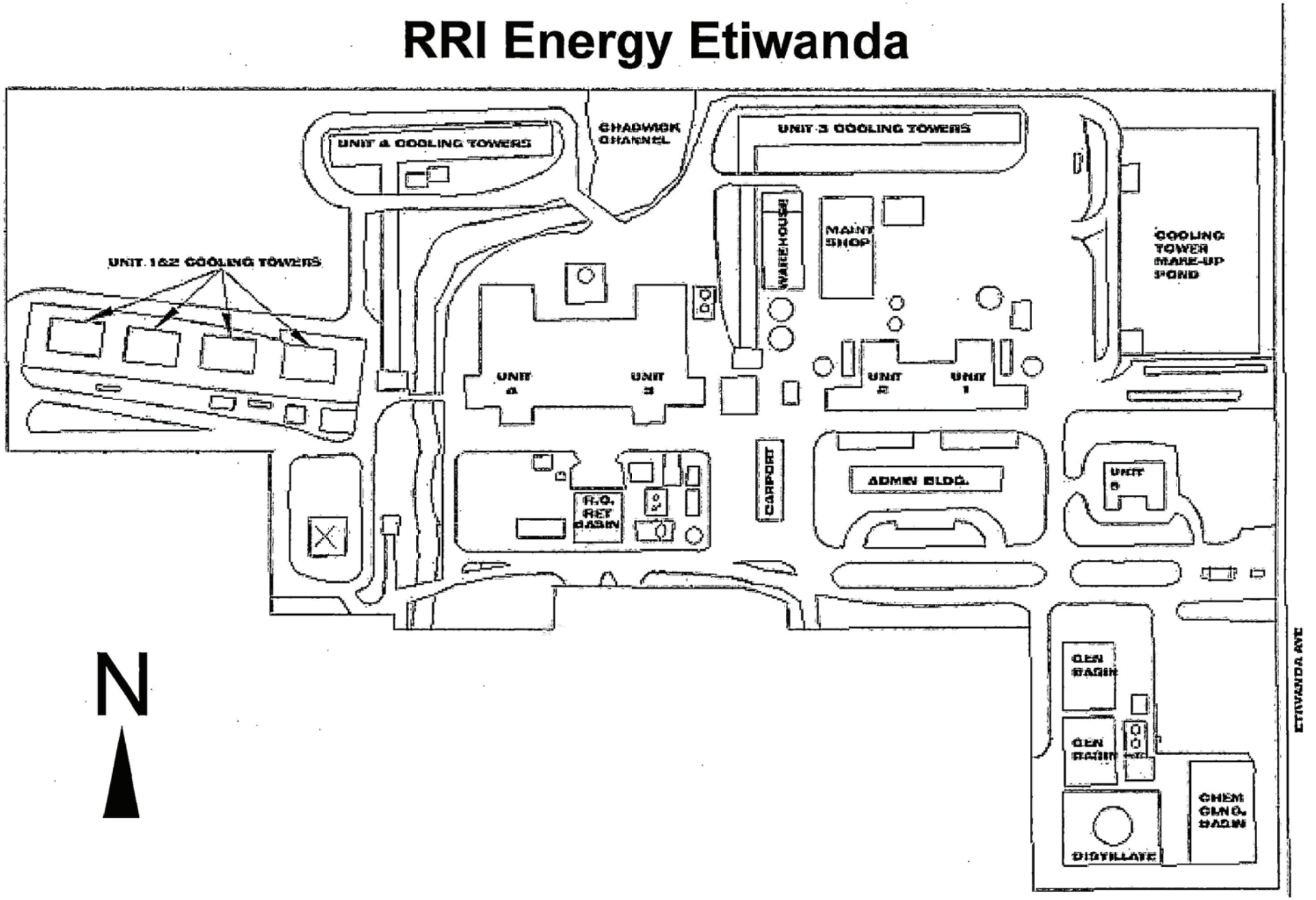
Appendix A1. Etiwanda Location Vicinity Map



Appendix A2. Etiwanda OCA
Radii Map

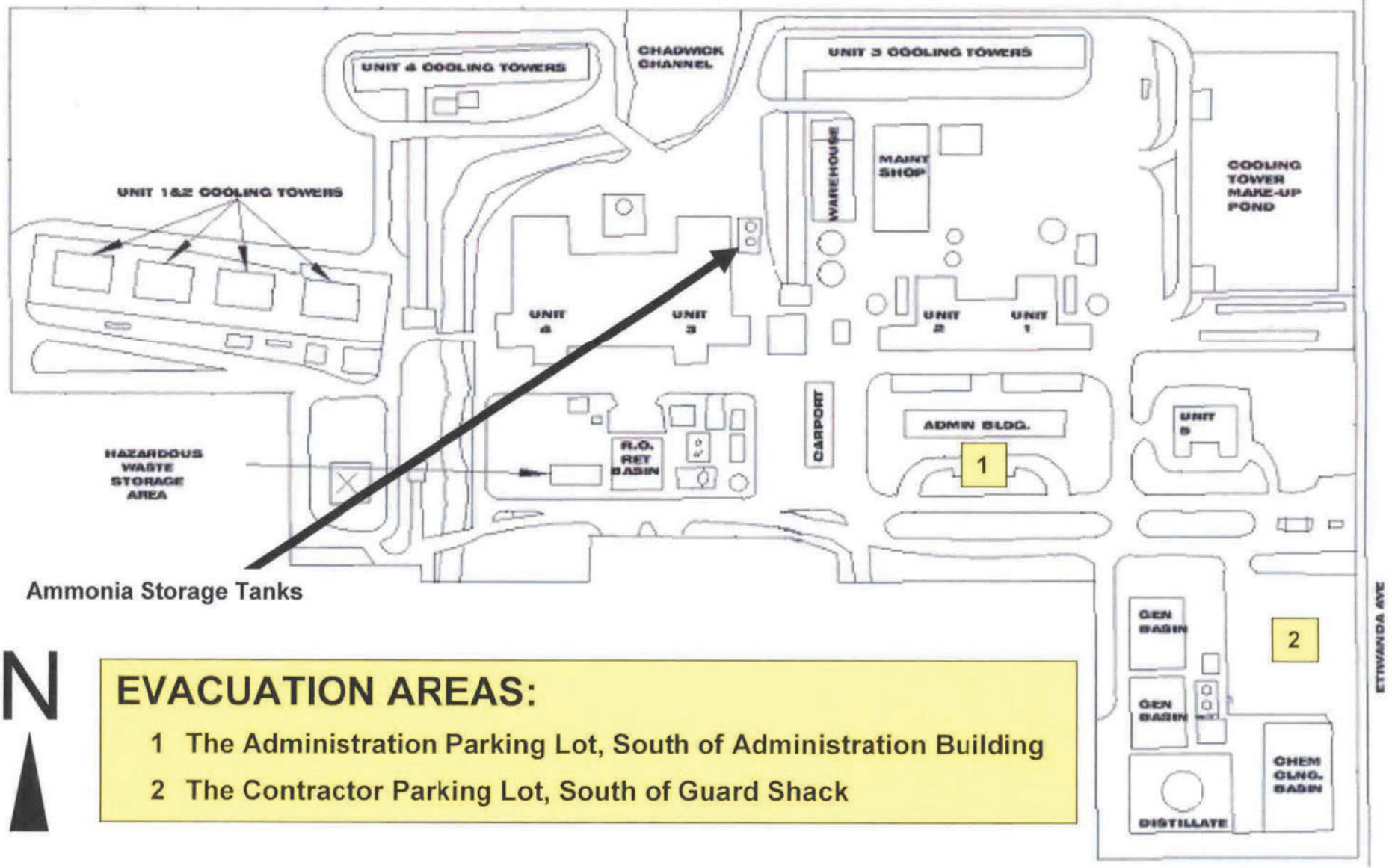
Appendix A3. Etiwanda Site Plan

RRI Energy Etiwanda



Appendix A4. Etiwanda Site Plan

RRI Energy Etiwanda



N

EVACUATION AREAS:

1 The Administration Parking Lot, South of Administration Building

2 The Contractor Parking Lot, South of Guard Shack

Operators Check Sheet for Unloading Ammonia

This form will be used for every Ammonia Offloading operation. This procedure is to insure compliance with the Regulatory Mandated Risk Management Plan (RMP).

Only trained, authorized personnel shall work with any part of the aqueous ammonia system. In the interest of safety, there shall always be two or more persons when transferring ammonia from truck to tank or tank to truck.

Initials

1. The Operator will escort the Ammonia delivery truck to the offloading area. _____

2. The Operator will verify that there is adequate room in the tank for the ammonia delivery

   Tank receiving delivery: _____

   Level in tank: _____ gals

   Delivery volume: _____ gals

   Total: _____ gals

   The total shall not exceed 8,000 gallons per tank. _____

3. The Operator will review the following information with the Ammonia Truck Driver (Driver) before any work is started. _____

4. The following PPE is required by the Operator and the Driver and any other personnel involved with the operation of offloading ammonia. The Driver and Operator must wear;
   - Safety glasses
   - Face shields
   - Rubber gloves
   - Clothing to protect exposed skin anytime they are connecting or disconnecting hoses, or operating valves. _____

5. Respirators must be available for the Driver and Operator. _____

6. The Operator will flush the two eyewash/safety showers that are located outside of the secondary containment. Till water come out at a reasonable temperature and clean before starting any work. **The Emergency Eyewash and Safety shower should be used immediately if personnel contact occurs.** _____

Initials

7. The Operator will notify the Control Room Operator that they are ready to proceed with connecting and offloading the ammonia to the tank. _____

8. The Control Room Operator will make the following announcement over the PA:
   - Attention All Personnel,
   - Attention All Personnel,
   - Ammonia unloading is in progress,
   - All personnel stand clear of the Ammonia tank area
   - On the east side of Unit #3 _____

9. The Operator will have a service water hose ready to hose down any small leaks _____

10. The Driver will connect the vapor return hose to the truck tank, and to the station tank vapor return line and open the valves. The Operator will then check to ensure that all of the vapor return line valves are open. **Under no circumstances will the truck be unloaded without vapor hose in place and valves open.** _____

11. The driver will connect the liquid unloading hose from the truck unloading pump to the proper Station Ammonia Tank fill line. _____

12. The Driver will open Ammonia tank fill valves. _____

13. The Driver will open the liquid discharge valve from truck to ammonia tank. _____

14. The Operator will verify that the Ammonia tank fill and truck valves are open. _____

15. The Driver will start the unloading pump and start transferring ammonia. _____

16. The Driver and the Operator will inspect for leaks. If a leak is found the unloading will be stopped and the Control Room Operator notified. If the cause of a small leak is obvious and it can be repaired, unloading may continue after the repair has been made. **The Emergency Eyewash and Safety shower should be used immediately if personnel contact occurs.** _____

17. If the unloading appears normal, the Operator and Driver will complete the unloading. _____

18. When unloading is complete the Operator will notify the Control Room Operator. _____

19. The driver will clean out the liquid unloading hose from the truck to the tank with an air blast. _____

Initials

20. The Operator will then close the ammonia tank fill valves and the vapor return line block valves. _____

21. The driver will close the truck discharge and vapor valves. _____

22. The Driver and Operator will make sure that all liquid and vapor valves are closed before disconnecting liquid and vapor hoses. _____

23. The Driver will disconnect hoses and stow them. _____

24. The Operator will hose down any small leaks before signing for shipment _____

25. The Operator will notify the Control Room Operator that they have completed the offloading of the ammonia and that valving is secured and in the normal position. _____

26. The Control Room Operator will make the following announcement over the PA:
    - Attention All Personnel,
    - Attention All Personnel,
    - The Ammonia unloading at Unit #3
    - Is completed _____

27. The Operator will sign the invoice for the load and any other paperwork that the driver needs signing. The Operator will receive copies of the invoice and any other paperwork. _____

28. The Operator will escort the truck to the exit gate. _____

Operator: _____ Date: _____
(Print Name)

Comments, Problems, Issues:

The Operator will place it into the Operation's Supervisor's out-basket.

APPENDIX G
PERSONNEL

Table G-1. Prevention Plan Contact List 3/31/09				
Responsible Position	**Responsible Person**	**Office**	**Cell**	**Comments**
Emergency Contact	Lee Moore	(909) 899-7241	(909) 841-5949	
Emergency Contact	Paul Lacroix	(909) 899-7208	(909) 322-5971	
Emergency Contact	Dian Vargas	(909) 899-7242	(951) 377-8061	
Emergency Contact	Plant Control Room	(909) 899-7246	N/A	24 hour 365 days
Staff Positions				
General Manager	Lee Moore	(909) 899-7241	(909) 841-5949	Owner's Representative
Operations Manager	Richard E. Darnell	(909) 899-7251	(909) 772-5528	
Maintenance Manager	Mark Greene	(909) 899-7254	(805) 207-4768	
Business Manager	Jim Barr	(909) 899-7231	(760) 578-3015	
Plant Environmental	Paul Lacroix	(909) 899-7290	(909) 322-5971	
Plant Safety	Dian Vargas	(909) 899-7242	(951) 377-8061	
Plant Engineer	Jeff Mayo	(909) 899-7203	(909) 821-8517	
Plant RMP Coordinator	Paul Lacroix	(909) 899-7290	(909) 322-5971	
Off-site RMP Preparer	Jennifer Geran	(512) 327-0288	(512) 775-6780	SAGE Envir. Consulting 4611 Bee Caves Road Suit 312 Austin, TX, 78746
Prevention Program 1 Element				
5-Year Accident History Recordkeeping	Paul Lacroix	(909) 899-7290	(909) 322-5971	
Hazard Assessment/OCA	Laurence Reider (Sage)	(760) 724-5732	(619) 318-9900	
Emergency Response Procedures	Paul Lacroix	(909) 899-7208	(909) 322-5971	
Management System	Lee Moore	(909) 899-7241	(909) 841-5949	
Safety Information/Seismic Walkdown	Paul Lacroix	(909) 899-7290	(909) 322-5971	
RMP Preparer	Laurence Reider (Sage)	(760) 724-5732	(619) 318-9900	
Aqueous Ammonia Vendor	Airgas Specialty Products	(800) 457-7891	(800) 295-2225	

RRI Energy Etiwanda, Inc.
Etiwanda Generating Station
Facility ID FA0002943

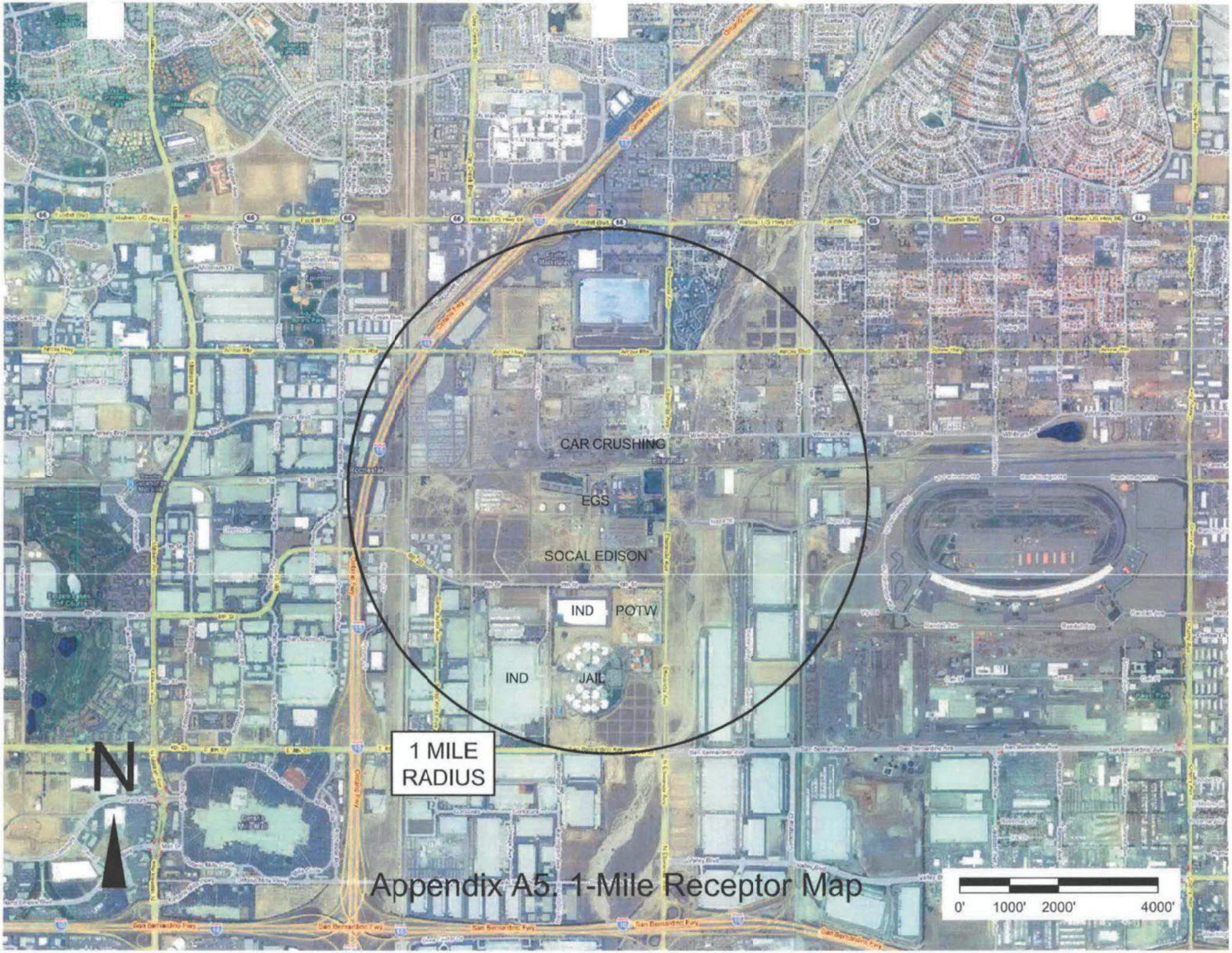
Program 1 Risk Management Plan
For Compliance Year 2009

Submitted to:
RRI Energy Etiwanda, Inc.
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739

SAGE
ENVIRONMENTAL CONSULTING

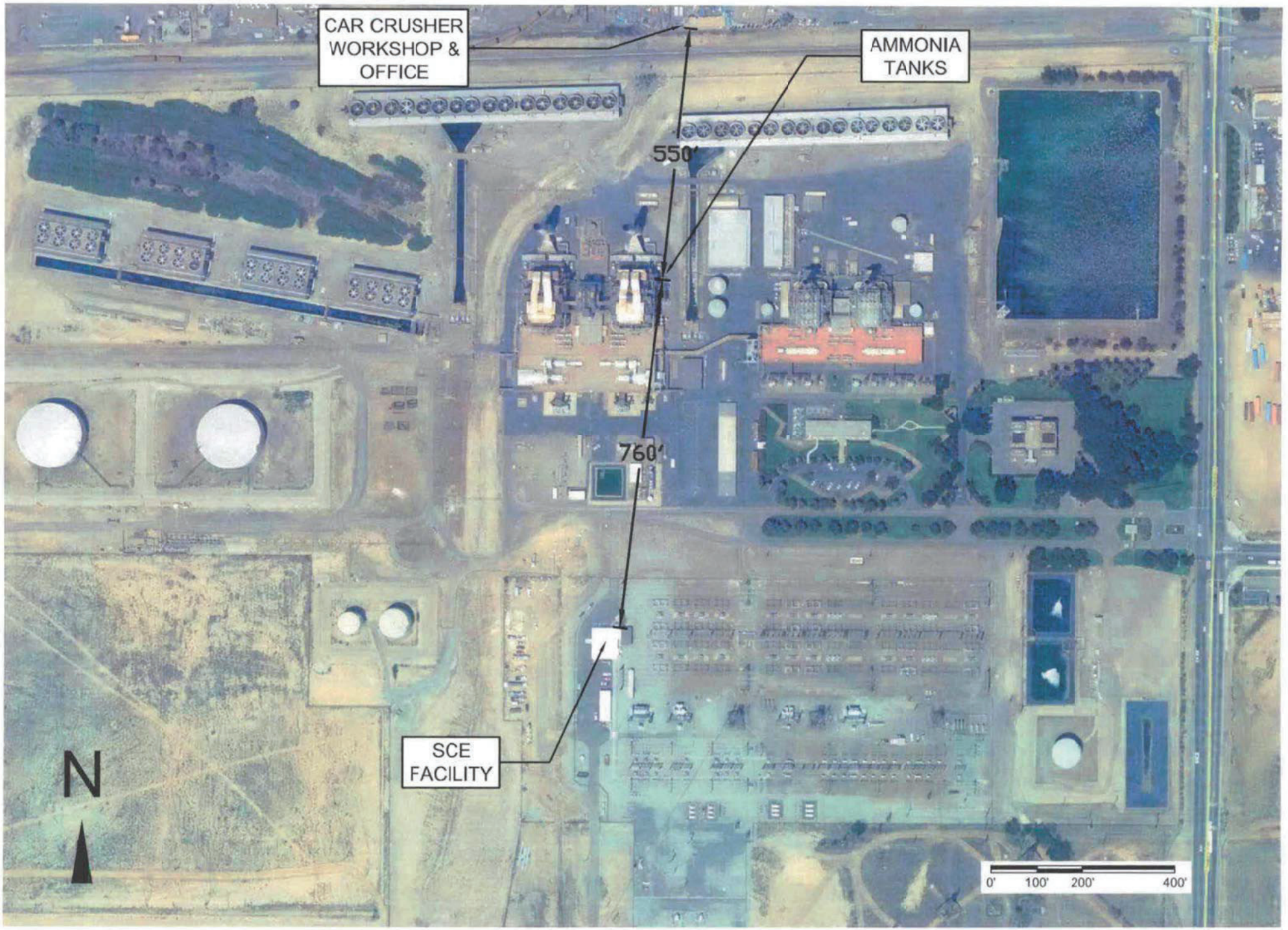
Prepared by:
Sage Environmental Consulting, L.P
506 W. Vista Way
Vista, CA 92083

August, 2009



Appendix A5. 1-Mile Receptor Map

Appendix A6. Locatio... of Nearest Receptors

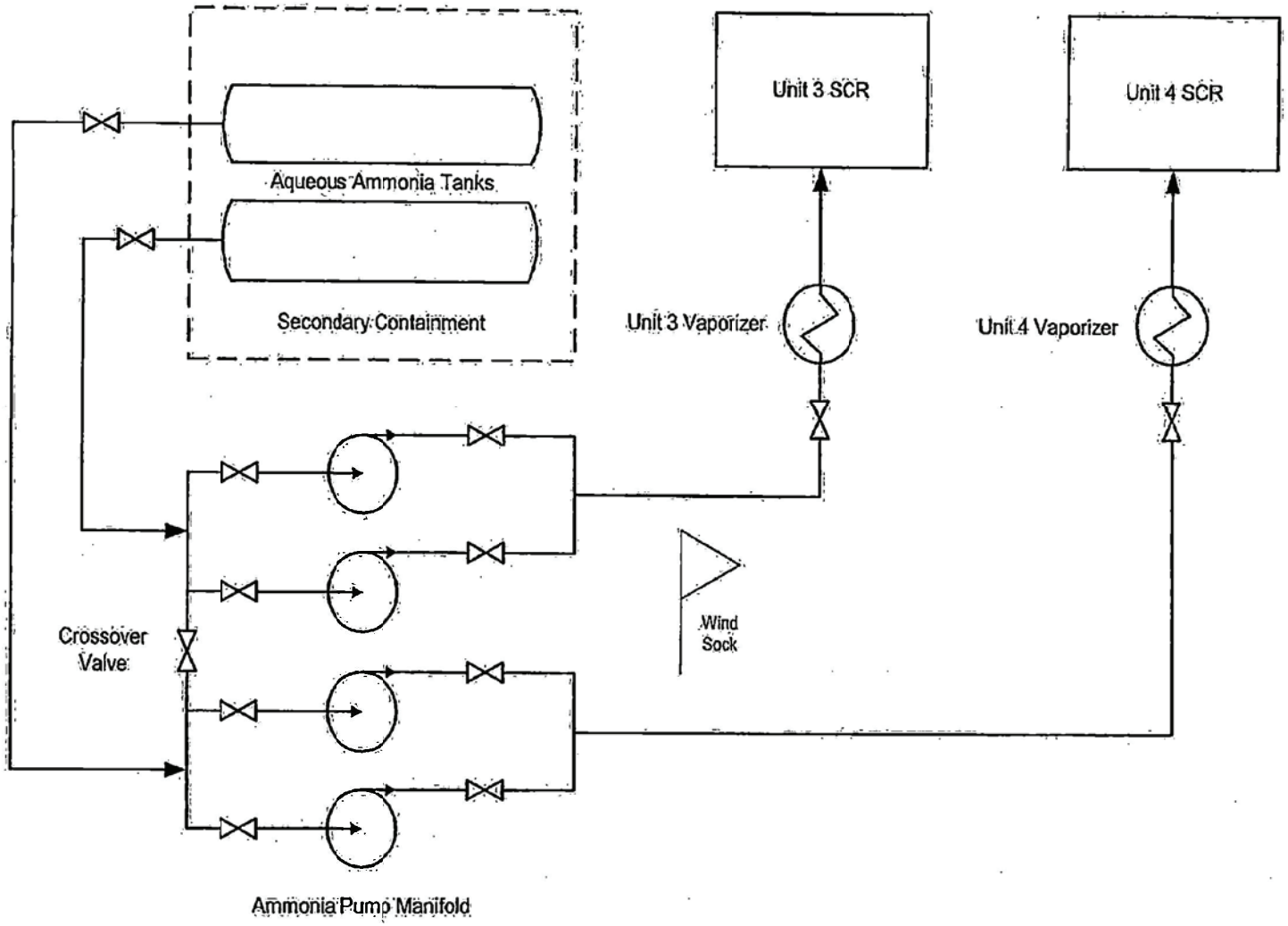


APPENDIX B
DIAGRAMS & DRAWINGS

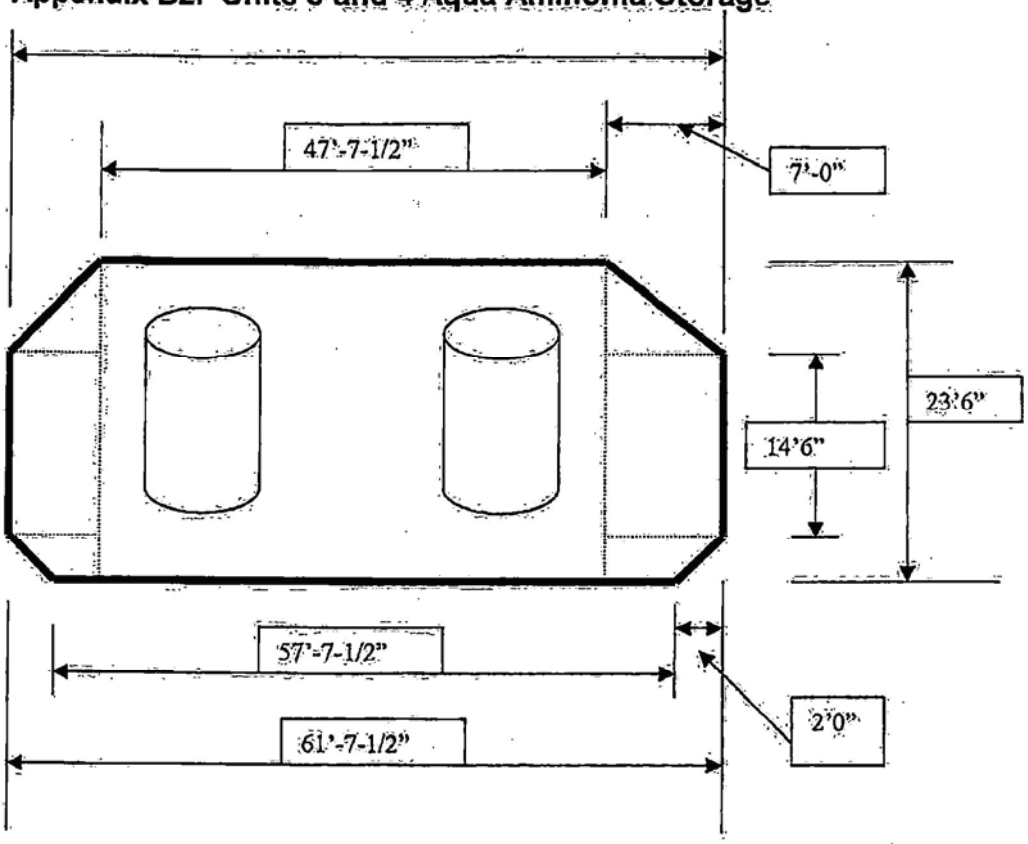
B1. Simplified Drawing of the SCR Process Flow Diagram

B2. Units 3 and 4 Aqueous Ammonia Storage

Appendix B1. Etiwanda Simplified Drawing of the SCR Process Flow Diagram



Appendix B2. Units 3 and 4 Aqua Ammonia Storage



PLAN VIEW

Containment Depth: 3'6"

Rectangle minus triangle corners

Surface Area: (61.625' x 23.5') – (7'x7') – (2'x2') = 1395 sq. ft.

Volume: 1395 sq. ft. x 3.5 ft x 7.48 gal/ft3 = 36,500 gallons

Tanks: 2 x 10,000 gallons = 20,000 gallons

Containment: 180%

APPENDIX C
MATERIAL SAFETY DATA SHEETS – AMMONIA

Airgas

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

CHEMICAL NAME: Ammonium Hydroxide **TRADE NAMES / SYNONYMS:** Aqua Ammonia, Ammonium Hydroxide

MANUFACTURER AND/OR DISTRIBUTOR:
Airgas Specialty Products
6340 Sugarloaf Parkway, 300
Duluth, GA 30097 USA

EMERGENCY TELEPHONE NUMBERS:
Transportation (CHEMTREC): 1-800-424-9300
Environmental/Health/Safety (24-hr): 1-800-528-4963
Customer Service (Toll Free): 1-800-295-2225

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL	FORMULA	% BY WEIGHT	CAS	OSHA PEL	NIOSH REL / ACGIH TLV		IDLH
				25 ppm (California only)			
Ammonia	NH_3	5-19.9	7664-41-7	50 ppm (TWA)	25 ppm (TWA)	35 ppm (STEL)	300ppm
Water	H_2O	80.1-95	7732-18-5	None	None	None	
Aqua Ammonia	NH_4OH	100	1336-21-6	-----	-----	-----	

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **1.** Colorless liquid with a pungent odor. **2.** Avoid contact with liquid and vapor. **3.** Not flammable. **4.** Mixes with water. **5.** Harmful to aquatic life in very low concentrations. **6.** Stop discharge if possible.

POTENTIAL HEALTH EFFECT

ROUTES OF ENTRY: Inhalation, Skin Contact, Eye Contact, Ingestion **TARGET ORGANS:** Eyes, skin and respiratory system. **EYE CONTACT:** May be severely irritating upon liquid exposure, with irritation from fumes. **SKIN CONTACT:** High concentrations can cause severe irritation and burns. **INHALATION:** The gas can be suffocating and is irritating to the mucous membranes and lung tissue. **INGESTION:** Can cause vomiting, nausea and corrosive burns to the esophagus and stomach. The exact nature and intensity of toxic effects following ingestion of varying amounts of strong aqua ammonia solution (ex. 28%) is unpredictable. The most accepted view is that any amount from one teaspoon or greater can be dangerous if ingested.

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Flush with large amounts of water for at least 15 minutes then immediately seek medical aid.
SKIN CONTACT: Immediately flush with large quantities of water for at least 15 minutes while removing clothing. Seek immediate medical aid.
INHALATION: Remove from exposure. If breathing has stopped or is difficult, administer artificial respiration or oxygen as needed. Seek immediate medical aid.
INGESTION: Do not induce vomiting. Have victim drink large quantities of water if conscious. Immediately seek medical aid. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT(method used): Not Applicable **FLAMMABLE LIMITS:** 16-25% NH_3 in air (for labeling purposes, not DOT flammable gas). **EXTINGUISHING MEDIA:** Water fog or spray for escaping ammonia gas.
SPECIAL FIRE FIGHTING PROCEDURES: The mixture will not burn but escaping gas can burn in the range of 16-25% NH_3 in air. Wear full protective clothing and self-contained breathing apparatus in the pressure demand mode.
NFPA HAZARD CLASSIFICATION (Aqua): Health: 2 **Flammability:** 1 **Reactivity:** 0 (least-0 — 4-highest)

SECTION 6: ACCIDENTAL RELEASE MEASURES

In US, federal regulations require that a release of 1,000 lb. or more of ammonium hydroxide must be reported immediately to the National Response Center at (800) 424-8802, the SERC and the LEPC. In California, ALL releases must be reported to CUPA, state and local agencies. Additional state and local regulations may apply. **SUGGESTED LOCAL ACTION:** Releases will liberate irritating vapors. Spilled liquids should be contained and not washed into sewers or ground water. Prevent large quantities from contact with vegetation or waterways. Ammonium hydroxide is a regulated material and reporting of any release may be required. Any release of this material during the course of loading, transporting, unloading or temporary storage must be reported to the U.S. DOT as required by 49 CFR 171.15 and 171.16.

SECTION 7: HANDLING AND STORAGE

Store in ventilated containers or pressure vessels away from heat. Open containers cautiously in case of pressure build up. Zinc, copper and copper alloys such as brass are rapidly corroded by ammonium hydroxide.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Respiratory protection approved by NIOSH / MSHA for ammonia must be used when exposure limits are exceeded. Whether chemical canister respirator or self-contained breathing apparatus is sufficient for effective respiratory protection depends on the type and magnitude of exposure.
SKIN PROTECTION: Rubber gloves and rubber or other types of approved protective clothing should be used to prevent skin contact. A face shield should be used for increased protection from contact with liquid or vapor.
EYE PROTECTION: Chemical splash goggles, approved for use with ammonia, must be worn to prevent eye contact with liquid or vapor. A face shield should be used for increased protection from contact with liquid.
VENTILATION: Local positive pressure and/or exhaust ventilation should be used to reduce vapor concentrations in confined spaces. Ammonia vapor, being lighter than air, can be expected to dissipate to the upper atmosphere. Ammonia concentrations may also be reduced by the use of an appropriate absorbent or reactant material.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 160°F (10% Sol'n.)
SOLUBILITY IN WATER: Complete
MELTING POINT: Approx 15°F (10% Sol'n.)
PERCENT VOLATILE BY VOLUME: 100%
VAPOR PRESSURE: 130 mm Hg @ 80°F(10% Sol'n.)
SPECIFIC GRAVITY: 0.928 @ 60°F (19.5% Sol'n., water=1)
VAPOR DENSITY: 0.60 @ 32°F (Air=1)
pH: Approx. 11.6 for 1 N Sol'n. in water
APPEARANCE: Colorless, pungent liquid

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Material generally considered stable. Heating above ambient temperature causes the vapor pressure of ammonia to increase rapidly.

INCOMPATIBILITY (materials to avoid): Strong acids. Aqua ammonia reacts with bromine, chlorine, mercury, silver, silver solder, and hypochlorite (bleach) to form explosive compounds. Avoid use of metals containing copper or zinc.

HAZARDOUS DECOMPOSITION PRODUCTS: Heating and contact of vapors with very hot surfaces may form hydrogen. The decomposition temperature may be lowered to 575°F by contact with certain metals such as nickel.

HAZARDOUS POLYMERIZATION: Will not occur **CONDITIONS TO AVOID:** Not applicable

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICITY BY INGESTION: Grade 3; Oral Rat, LD_{50} = 350 mg/kg. Ammonia is a strong alkali and readily damages all body tissues. Ammonia is not a cumulative metabolic poison.

SECTION 12: ECOLOGICAL INFORMATION

AQUATIC TOXICITY: 6.25 ppm 24hr/Trout/Lethal/Freshwater; 15ppm 48hr/Sunfish/TLm/Tap Water
WATERFOWL TOXICITY: Data not available **BIOCHEMICAL OXYGEN DEMAND:** Data not available
FOOD CHAIN CONCENTRATION POTENTIAL: None

SECTION 13: DISPOSAL CONSIDERATIONS

Consult local, state or federal regulatory agencies for acceptable disposal procedures and disposal locations. Disposal in streams or sewers is generally contrary to federal, state, and local regulations. For Hazardous Waste Regulations call (800) 424-9346, the RCRA Hotline.

SECTION 14: TRANSPORT INFORMATION

	5-10% Ammonia Solutions	>10-19.9% Ammonia Solutions
Proper shipping name:	Corrosive Liquid, N.O.S. (contains ammonia)	Ammonium Hydroxide
DOT Hazard Class:	8	8
Identification Number:	UN1760	UN2672
Packing Group:	III	III

SECTION 15: REGULATORY INFORMATION

NOTICE: This product is subject to the reporting requirements of SARA (1986, Section 313 of Title III) and 40 CFR Part 370.

CERCLA/SUPERFUND, 40 CFR 117.302: Unpermitted releases of 1,000 lb. or more of ammonium hydroxide in any 24-hour period must be reported immediately to the NRC at 1-800-424-8802, the SERC, and the LEPC. Written follow-up is required to SERC & LEPC.

OSHA HAZARD COMMUNICATION RULE, 20 CFR 1910.1200: Aqua ammonia is a hazardous chemical.

TOXIC SUBSTANCE CONTROL ACT: This material is listed in the TSCA Inventory.

EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT (SARA, TITLE III): Section 302 Extremely Hazardous Substance: Yes; Section 311/312 Hazardous Categories: Immediate (Acute) Health Hazards; Section 313 Toxic Chemical: Yes (as ammonia); **WHMIS:** One percent (1%) as ammonia. **CALIFORNIA PROPOSITION 65:** Reproductive: No Carcinogen: No

OSHA PROCESS SAFETY MANAGEMENT, 29 CFR 1910.119: This product is NOT subject to the Process Safety Management requirements of 29 CFR 1910.119.

EPA CHEMICAL ACCIDENTAL RELEASE PREVENTION, 40 CFR PART 68: This product is NOT subject to the Risk Management Plan requirements of 40 CFR Part 68. **DRINKING WATER:** Maximum use dosage in potable water is 10mg/l.

SECTION 16: OTHER INFORMATION

REASON FOR REVISION: 1. Addition of new Toll Free Customer Service Number in Section 1. 2. Revision to concentration range in section 2. 3. Revision to proper DOT Shipping Name. 4. Revision to EPCRA Section 302 information in Section 15; 6. Revised LEL and UEL. 7. Company Name Change. 8. Revised LEL and UEL.

MSDS PREPARED BY: Airgas Specialty Products

This information is taken from sources or based upon data believed to be reliable, however, Airgas Specialty Products makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions.

APPENDIX D
SEISMIC WALKDOWN FORM

SEISMIC EQUIPMENT WALKDOWN WORK SHEET Page___ of			
SYSTEM DESCRIPTION Ammonia Tank and Pumps	LINE NUMBER	LOCATION Etiwanda Generating Station	DRAWING NO. 20721-M-202 to 213

CONCLUSION	ENGINEER: Glenn Whritenour
X ACCEPTABLE ___ ACCEPTABLE (Modifications required) ___ UNACCEPTABLE (see comments) ___ INACCESSIBLE (acceptability not determined)	DATE: August 24, 2004

INSPECTION ATTRIBUTES

	YES	NO	INAC	COMMENTS
A. BOLTS, NUTS, WASHERS				
MISSING		X		
LOOSE		X		
CORROSION		X		
B. WELDS				
CRACKED/ DAMAGED		X		
C. SUPPORTS				
MISSING PARTS		X		
CORROSION		X		
D. SEISMIC CLEARANCE				
PROXIMITY		X		Tanks and skids are rigidly mounted to concrete foundations.
FLEXIBILITY		X		
ADJACENT EQUIPMENT	X			The equipment is located adjacent to existing plant equipment that was designed/installed in 1962-1963.

COMMENTS:

The Aqueous Ammonia Supply and Storage system is designed to provide a supply of 19% aqueous ammonia to the Aqueous Ammonia Vaporization Skid. The Aqueous Ammonia Vaporization Skid is comprised of a Hot Combustion Air Fan(s) that draws air into the Vaporizer where it mixes with the 19% aqueous ammonia. The ammonia is evaporated and diluted within this mixture and is then routed to SCR Catalyst Bed to reduce the plant's emissions. The major components of this system are as follows:

1. The Ammonia Storage Tanks [2] (10,000 gallons, each).
2. The Ammonia Supply Pumps [4]
3. The Ammonia Vaporizer Skid [1 per Unit]:
   a. Two (2) Hot Combustion air Fans
   b. Two (2) Vaporizers

These components are basically all skid mounted and are structurally sound.

SEISMIC PIPING WALKDOWN WORK SHEET Page 1 of 2

SYSTEM DESCRIPTION	LINE NUMBER	LOCATION	DRAWING NO.
Ammonia Tank and Pumps		Etiwanda Generating Station	20721-M-202 to 213 20721-M-461 to 472, 20721-M-480, 481, 510

CONCLUSION
__X__ ACCEPTABLE
____ ACCEPTABLE (Modifications required)
____ UNACCEPTABLE (see comments)
____ INACCESSIBLE (acceptability not determined)

ENGINEER: Glenn Whritenour

DATE: August 24, 2004

INSPECTION ATTRIBUTES

	YES	NO	INAC	COMMENTS
A. PIPING				
DAMAGED		X		No
CORROSION		X		
FLG/THRD/JTS	X			The piping system is comprised of flanged joints where it mates to various equipment and components. All are sound.
BURIED RUN		X		All aqueous ammonia piping is above grade.
ADEQUATE BRANCH FLEXIBILITY	X			The 1" dia aqueous ammonia is routed with numerous bends to allow flexibility during a seismic occurrence.
RIGIDLY SPANS COMPONENTS	X			The 1" dia aqueous ammonia is routed securely over equipment, components, and personnel accessed areas.
B. SUPPORTS				
PIPE SPANS OK	X			
MISSING HARDWARE		X		The installer of 1" dia (sch 40 ss) line installed U-bolt type

				supports that do not have washers. They used a single nut U-bolt installation versus a washer/double-nut installation. All nuts are snug-tight are provide adequate support. .
CORROSION		X		
HARDWARE DAMAGED/LOOSE		X		None
C. SEISMIC INTERACTION				
ADEQUATE CLEARANCE	X			
ADJ COMPONENTS SECURE	X			
CLEARANCE AT AOV'S/MOV'S	X			

SEISMIC WALKDOWN WORK SHEET Page 2 of 2

SYSTEM DESCRIPTION	LINE NUMBER	LOCATION	DRAWING NO.
Ammonia Tank and Pumps		Etiwanda Generating Station	20721-M-202 to 213 20721-M-461 to 472, 20721-M-480, 481, 510

COMMENTS/SKETCHES/PHOTOGRAPHS

The 1" dia Aqueous Ammonia supply lines to the Unit #3 and #4 Vapor Skids are routed through a plant designed and constructed in 1963. The lines are supported off structural steel members and other raceway supports that have not been seismically qualified. The supports appear to be adequate for the loads installed.

The lines run adjacent to various structures, equipment, and components but appear to have adequate clearance such that they will not be impacted during a seismic event.

The Aqueous Ammonia piping is primarily comprised of a 1" dia, schedule 40, stainless steel pipe that is supported by u-bolt type supports throughout the plant. Some of these supports are mounted off new supports but many are mounted off existing pipe supports that also support electrical raceways (ie: conduits) and piping systems. These supports appear to be adequate. Typical pipe supports fabricated of u-bolts use a washer and a double nut installation method. The u-bolt supports installed do not have washers (unless the bolt hole was oversized) and do not have a double nut. The review of the nuts indicated that they all were snug tight and secure.

Stanchion support types support the Vaporizer piping between the Vaporizer Skid and the Catalyst.

APPENDIX E
RMP*COMP VERSION 1.07 OUTPUT

Appendix E

RMP*Comp Ver. 1.07
Results of Consequence Analysis

Chemical: Ammonia (water solution) 20%
CAS #: 7664-41-7
Category: Toxic Liquid
Scenario: Worst-case
Quantity Released: 160000 pounds
Liquid Temperature: 66 F

Mitigation Measures:
Diked area: 1395 square feet
Dike height: 3.5 feet

Release Rate to Outside Air: 29.3 pounds per minute
Topography: Urban surroundings (many obstacles in the immediate area)
Toxic Endpoint: 0.14 mg/L; basis: ERPG-2
Estimated Distance to Toxic Endpoint: 0.1 miles (0.2 kilometers)

--------Assumptions About This Scenario---------
Wind Speed: 1.5 meters/second (3.4 miles/hour)
Stability Class: F
Air Temperature: 77 degrees F (25 degrees C)

APPENDIX F
EMERGENCY RESPONSE PLAN

F1. Operation, Maintenance, and Spill Response – Aqueous Ammonia

F2. Operators Check Sheet for Unloading Ammonia

OPERATION, MAINTENANCE, AND SPILL RESPONSE - AQUEOUS AMMONIA SYSTEM

1.0 Purpose

The purpose of this Station Order is to ensure the safe operation and maintenance of the aqueous ammonia system. Aqueous ammonia is a regulated hazardous substance and proper care is essential to prevent harm to personnel, the environment and to prevent an accidental discharge. This Station Order gives guidance to station employees for the safe handling, storage, usage and emergencies with aqueous ammonia at the station.

2.0 Responsibility

2.1 General Manager

The General Manager shall be responsible for overseeing all activities, operations and compliance of the Risk Management Program, the aqueous ammonia systems and will also ensuring the following:

2.1.1 Shall insure that a Root Cause Analysis or an investigation of any incident that could or does results in an accidental discharge or unprotected exposure of employees is conducted.

2.1.2 That all lessons learned are assimilated into the stations' operating and maintenance procedures as required.

2.1.3 That corrective and preventative actions are addressed.

2.1.4 That best management practices are evaluated and implemented as needed.

2.1.5 That all required testing and maintenance is performed.

2.1.6 That all required inspections are performed.

2.2 Operations Manager

The Operations Manager is responsible for ensuring that all Operating Personnel involved in the operation of the aqueous ammonia system have been trained on and comply with station polices, procedures and the following:

2.2.1 That all Operations personnel are trained on the physical properties and hazards of aqueous ammonia.

2.2.2 That the aqueous ammonia transporter complies with the delivery requirements for transporting aqueous ammonia to the station.

2.2.3 Off loading procedure of ammonia tanker trucks are followed.

2.2.4 System operating requirements and limitations understood and the system is operated accordingly.

2.2.5 Daily inspections of the aqueous ammonia systems are conducted.

2.2.6 Is responsible for identifying operational and mechanical problems.

2.2.7 Is responsible for preparing the aqueous ammonia systems for maintenance.

2.2.8 That all personnel working in the vicinity of aqueous ammonia systems have been informed of the potential hazards and are properly trained and equipped.

2.2.9 That all contractors working on aqueous ammonia system are trained and qualified to work on aqueous ammonia system.

2.2.10 Ammonia emergency procedures are up-to-date, available, and implemented if and when necessary.

2.3 Maintenance Manager

The Maintenance Manager is responsible for ensuring that all Maintenance Personnel involved in the maintenance and repair of the aqueous ammonia system have been trained on the following:

2.3.1 That all Maintenance personnel are trained on the physical properties and hazards of aqueous ammonia.

2.3.2 That all Maintenance personnel are trained in the appropriate maintenance and testing practices.

2.3.3 That all personnel are trained in ammonia emergency procedures.

2.3.4 That all required maintenance activities are performed when and as required.

2.3.5 That all contractors working on aqueous ammonia system are trained and qualified to work on aqueous ammonia system.

2.3.6 Will insure that a Root Cause Analysis or an investigation of any incident that could or does result in an accidental discharge or unprotected exposure of personnel is conducted.

2.3.7 That all corrective actions are addressed in a timely manner.

2.3.8 That all maintenance records are maintained.

2.4 Plant Safety & Environmental

The Plant Safety & Environmental is responsible for ensuring the following:

2.4.1 That all station personnel have received an awareness level of training for aqueous ammonia.

2.4.2 All personnel involved in the operation and maintenance of the aqueous ammonia system have received training on the physical properties and hazards of aqueous ammonia.

2.4.3 Shall be involved with the Root Cause Analysis or investigation of any incident that could or did result in an accidental discharge or in the unprotected exposure of personnel.

2.4.4 Shall review and update this Station Order if needed whenever there is a change to the design or operation of the aqueous ammonia system.

2.4.5 Shall review and update this Station Order every five years.

2.5 Plant Engineer

The Plant Engineer shall be responsible for ensuring the following:

2.5.1 That all changes and or modifications to the aqueous ammonia system comply with applicable industry standards and regulations.

2.5.2 Shall be responsible for overseeing management of change procedures.

2.5.3 That an annual inspection of the aqueous ammonia system is conducted and documented.

2.5.4 Shall conduct a Root Cause Analysis or an investigation of any incident that could or did result in an accidental discharge or unprotected exposure of personnel.

3.0 RMP Regulated Hazardous Materials

3.1 Aqueous Ammonia 19% Solution:

Etiwanda maintains quantities of Aqueous Ammonia 19% solution that exceeds the CalARP RMP program Threshold Quantity (TQ). 19 percent aqueous ammonia is not regulated under the Federal Program. A hypothetical worst-case release of aqueous ammonia at the Etiwanda Generating Station would not result in offsite exposures at or above the toxic endpoint. Therefore, the Etiwanda Generation Station is classified as Prevention Program 1 (California state-only).

The major hazards encountered in the use and handling of aqueous ammonia come from its toxicological properties. Aqueous ammonia, a colorless and intensely pungent liquid, can be toxic by all routes (i.e. inhalation, ingestion, and dermal contact) of exposure.

Effects from exposure may include extreme irritation of the eyes and mucous membranes, contact burns to the skin and eyes, and life-threatening pulmonary edema.

3.1.1 Aqueous Ammonia Physical Properties:

Trade Name: Aqueous Ammonia solution (19%)
a.k.a. Ammonium Hydroxide solution (19%)

- Hazardous Component:•••••••• Ammonia C.A.S. # 7664-41-7
- Physical State:••••••••••••••••••Liquid
- Boiling Point: ••••••••••••••••••Approximately 160° F.
- Vapor Pressure: •••••••••••••••• 130 mm Hg @ 68° F.
- Vapor Density: •••••••••••••••• 0.6 (ammonia gas);
  >1 (aqueous ammonia aerosol)
- Specific Gravity: •••••••••••••••• 0.96
- Bulk Density: ••••••••••••••••••7.50 pounds/gallon
- LEL/UEL: •••••••••••••••••••••• 16-25% (ammonia gas)
- Auto Ignition: ••••••••••••••••••651° F. (ammonia gas)

3.1.2 Aqueous Ammonia Hazards:

Aqueous ammonia vapors are severely irritating to the throat and respiratory tract and will cause corrosive burns or blisters to the skin. Vapors will cause intense irritation to the eyes and an extreme exposure may cause blindness. An acute exposure to high concentrations of aqueous ammonia may result in permanent injury or death. Aqueous ammonia has not been identified as a potential carcinogen.

- Permissible Exposure Limit (PEL): •••••••••••••••••••••••• 25 ppm
- Short Term Exposure Limit (STEL): ••••••••••••••••••••••••35 ppm
- Immediately Dangerous to Life and Health (IDLH): •••••• 300 ppm

3.2 Aqueous Hydrazine 35% Solution:

The Etiwanda Generating Station has Aqueous Hydrazine 35% solution, which is used as an oxygen scavenger,

3.2.1 Aqueous Hydrazine 35% Solution Quantities:

The station has the potential of having quantities that could exceed the CalARP threshold quantity for aqueous hydrazine. The aqueous hydrazine solution is delivered at 35 weight percent in 180 gallon totes. Each tote contains approximately 530 pounds of hydrazine. The CalARP threshold quantity (TQ) is 1,000 pounds and the federal TQ is 15,000 pounds.

Since two full totes of aqueous hydrazine would exceed the CalARP TQ, Etiwanda Generating Station has implement administrative controls to limit the maximum quantity of aqueous hydrazine to one full tote and one tote less than half-full. This would keep the station at less than 800 pounds of aqueous hydrazine solution at any given time.

3.2.2 Ordering Aqueous Hydrazine:

The purpose of the following procedure for Ordering Aqueous Hydrazine is to prevent Etiwanda from violating the CalARP TQ threshold quantity limits that would result in the facility receiving an Notice of Violation (NOV).

The station will NEVER order a new tote of aqueous hydrazine until the one in service is less than half-full (1/2 full). It takes approximately 30 days after the order has been placed to receive the new tote. This ordering process will help insure Etiwanda does not have more than 1 and a 1/2 totes or 800 lbs. of aqueous hydrazine solution on the station at any given time.

3.2.2.1 Aqueous hydrazine solution shall only be ordered by the following personnel in the order listed:

1. Chemical Technician
2. Operations Specialist
3. Operations Manager

3.2.2.2 The person placing the order will visually insure the following information:

- There is only one tote with aqueous hydrazine solution on the station.
- The tote in service is less than half-full (1/2 full).

3.2.2.3 They will verify that the storeroom has not placed an order within the last 40 days.

3.2.3 Regulator Compliance:

It is mandatory for all Etiwanda Generating Station personnel to comply with the proceeding requirements of this procedure. To maintain compliance with the CalARP threshold quantity limits of the Risk Management Plan (RMP). This plan is administered and regulated by the "County of San Bernardino Fire Protection District, Hazardous Materials Division".

4.0 Safety Overview

The system supplies aqueous ammonia to two different systems within the plant. 1) Selective Catalytic Reduction (SCR) system. 2) Boiler Water Treatment system.

The aqueous ammonia is used in the SCR system to reduce the NOx emissions created by the combustion of fuel in the boilers. It is used in the boiler water treatment system to control the pH of the water inside the boiler.

The aqueous ammonia system consists of two bulk storage tanks, four supply pumps, isolation valves, strainers, flow meters, safety devices and connecting piping. The aqueous ammonia system is a closed system and normal operation of the system does not expose personnel to the aqueous ammonia or its vapors.

Shutting down the aqueous ammonia system at any time, whether automatically, manually, or accidentally, does not present a hazard. Stopping the aqueous ammonia flow will not have an adverse impact on the integrity of the aqueous ammonia system and will not lead to an accidental discharge of aqueous ammonia.

Each of the bulk aqueous ammonia storage tanks are designed with a capacity of 10,000 gallons each. Each bulk storage tank is equipped with a pressure relief valve that is set at 25 psig, and a vacuum relief valve set at –13.8 in. wg. Vac. The tank has a local level indicator, pressure gauge, and temperature indicator. The tank level and pressure are transmitted to the Control Room.

There is ammonia gas detectors located at the bulk aqueous ammonia tank area, pump skids, and at each of the vaporizer skids. These ammonia gas detectors activate an alarm in the Control Room.

Additionally, there is eyewash/shower stations located on the inside of the tank secondary containment area and on the outside at the north and south ends of the tank secondary containment area.

5.0 Operation

The Operations department has the primary responsible for ensuring the proper operation and monitoring of the aqueous ammonia system.

5.1 Delivery

Aqueous ammonia is delivered to the station by tanker truck. A typical delivery is approximately 6,000 gallons. The highest consumption of aqueous ammonia is during the summer months when the generating units are at peak loads. There may be as many as 1 delivery per week during the summer months.

Unloading

1. Trucks arriving at Etiwanda Generating Station will be held at the entrance gate until the Operations escort arrives.

2. The Operator will escort the Ammonia delivery truck to the offloading area. Only trained, authorized personnel shall work with any part of the aqueous ammonia system.

3. The Operator will verify that there is adequate room in the tank for the ammonia delivery.

20. The driver will clean out the liquid unloading hose from the truck to the tank with an air blast.

21. The Operator will then close the ammonia tank fill valves and the vapor return line block valves.

22. The driver will close the truck discharge and vapor valves.

23. The Driver and Operator will make sure that all liquid and vapor valves are closed before disconnecting liquid and vapor hoses.

24. The Driver will disconnect hoses and stow them.

25. The Operator will hose down any small leaks before signing for shipment

26. The Operator will notify the Control Room Operator that they have completed the offloading of the ammonia and that valving is secured and in the normal position.

27. The Control Room Operator will make the following announcement over the PA:

    Attention All Personnel,
    Attention All Personnel,
    The Ammonia unloading at Unit #3
    Is completed

28. The Operator will sign the invoice for the load and any other paperwork that the driver needs signing. The Operator will receive copies of the invoice and any other paperwork and place it into the Operation's Supervisor's out-basket.

29. The Operator will escort the truck to the exit gate.

5.2 General Operational Precautions

Operators shall adhere to the following operational precautions in order to prevent or mitigate an accidental discharge of aqueous ammonia:

5.2.1 All valves that vent or drain aqueous ammonia directly to the environment shall be closed and shall be capped or plugged except when being used for servicing the system.

5.2.2 The secondary containment drain valve at the bulk aqueous ammonia tank shall be normally closed and never left unattended in the open position. The drain valve shall only be opened for short periods of time when necessary to drain rainwater.

5.3 Start-up of Aqueous Ammonia System

Prior to starting the first aqueous ammonia pump, an Operator shall walk down the system and assure that the pumps are properly valved to the system.

5.3.1 All vent and drain valves are closed and capped/plugged.

5.3.2 The suction and discharge valves of the pumps are open.

4. The Driver and Operator must wear, safety glasses, face shields, rubber gloves, and protect exposed skin anytime they are connecting or disconnecting hoses, or operating valves.

5. Respirators must be available for the Driver and Operator.

6. The Operator will flush eyewash/safety showers for at least two minutes before starting any work. **The Emergency Eyewash and Safety shower should be used immediately if personnel contact occurs.**

7. The Operator will notify the Control Room Operator that they are ready to proceed with connecting and offloading the ammonia to the tank.

8. The Control Room Operator will make the following announcement over the PA:

   Attention All Personnel,
   Attention All Personnel,
   Ammonia unloading is in progress,
   All personnel stand clear of the Ammonia tank area
   On the east side of Unit #3

9. The Operator will have a service water hose ready to hose down any small leaks.

10. In the interest of safety, there shall always be two or more persons when transferring ammonia from truck to tank or tank to truck.

11. The Driver will connect the vapor return hose to the truck tank, and to the station tank vapor return line and open the valves. The Operator will then check to ensure that all of the vapor return line valves are open. **Under no circumstances will the truck be unloaded without vapor hose in place and valves open.**

12. The driver will connect the liquid unloading hose from the truck unloading pump to the proper Station Ammonia Tank fill line.

13. The Driver will open Ammonia tank fill valves.

14. The Driver will open the liquid discharge valve from truck to ammonia tank.

15. The Operator will verify that the Ammonia tank fill and truck valves are open.

16. The Driver will start the unloading pump and start transferring ammonia.

17. The Driver and the Operator will inspect for leaks. If a leak is found the unloading will be stopped and the Control Room Operator notified. If the cause of a small leak is obvious and it can be repaired, unloading may continue after the repair has been made. **The Emergency Eyewash and Safety shower should be used immediately if personnel contact occurs.**

18. If the unloading appears normal, the Operator and Driver will complete the unloading.

19. When unloading is complete the Operator will notify the Control Room Operator.

5.3.3 The following permissives must be met prior to opening the SCR ammonia shut off Power Operated Valves (POVs) and starting the pumps:

5.3.3.1 Forced Draft Fan: ON

5.3.3.2 Boiler: ON

5.3.3.3 SCR Inlet Temperature (gas fuel): >450° F.

5.3.3.4 Atomizer Air: >30 psig

5.3.4 When all permissives are met, the Control Room may initiate aqueous ammonia flow to the SCR by opening the SCR aqueous ammonia shutoff POV and starting the pump. If one of the permissives is no longer met, the SCR ammonia shutoff POV will automatically close and the pump will stop.

The Operator may stop the aqueous ammonia flow to the SCR vaporizers at any time by closing the SCR ammonia shutoff POV and stopping the pump from the Control Room.

5.3.5 The desired flow rate is determined by the fuel gas flow rate to the boiler and the NOx concentration at the inlet of the SCR catalyst. Insufficient flow does not create a hazard. Excess flow does not create a hazard but may result in excess SCR ammonia slip that must be controlled to less than 10 ppm.

5.4 Daily Inspection

Operators perform a visual inspection of all hazardous material bulk storage tanks including the bulk aqueous ammonia tank at least twice daily. Inspection results are recorded on the "RCRA and CWA Daily Inspection Report" form. Any irregularities observed are noted on the inspection form and reported to the Control Operator and the Operations Supervisor for immediate action, and a maintenance work request is also generated.

5.5 Securing Aqueous Ammonia System:

5.5.1 Normal Shutdown: Close SCR ammonia shutoff POVs from the Control Room.

5.5.2 Prolonged Shutdown (one unit): Close SCR ammonia shutoff POVs from the Control Room. Close unit supply valve at injection grid.

5.5.3 Prolonged Shutdown (both units): Close SCR ammonia shutoff POVs and shut down pump from the Control Room. Close both unit supply valves at the tanks.

5.5.4 Precautionary Shutdown: Close SCR ammonia shutoff POVs and shut down pumps from the Control Room. Close both unit supply valves at the tanks.

5.5.5 Emergency Shutdown: Close SCR ammonia shutoff POVs and shut down supply pumps from the Control Room. Close both unit suction valves at the tanks.

5.6 Response to Ammonia Gas Detector Alarm

Operators shall exercise caution whenever investigating an ammonia gas detection alarm.

5.6.1 The Operator investigating the alarm shall carry a radio and be in continuous contact with the Control Room. The Operator shall approach the suspected area from an upwind direction.

5.6.2 If the Operator detects an ammonia odor, the Operator shall withdrawal to a safe distance. The Operator shall assess the situation and report his observations to the Control Room.

5.6.3 Based on the Operator's assessment, the Control Room shall stop the ammonia flow by shutting down the aqueous ammonia pumps and contact the Operations Specialist or the Duty Manager for further instructions.

6.0 Maintenance

The Maintenance Department is responsible for all repair, calibration and testing of the aqueous ammonia system. The Maintenance Department is also responsible for overseeing all contractors that service or perform any type work on the aqueous ammonia system.

6.1 Clearing & Isolating Equipment for Maintenance

The station complies with RRI Energy's "Control Of Hazardous Energy Sources" also know as "Lock Out / Tag Out (LOTO)" for isolating equipment for all maintenance activities, on all system. This comprehensive procedure assures employee safety and provides uniformity in preparing of equipment for work.

6.2 Employee Protection for Routine Maintenance

In general, all components of the aqueous ammonia system can be isolated and flushed with water in preparation for maintenance and servicing and thus no special personnel protection is required for working on these components. There are a few small portions of the system, such as strainers, which cannot be flushed and may contain small amounts of aqueous ammonia solution. While servicing these components, employees shall take the following additional protective measures:

6.2.1 Personal Protective Equipment: Air Purifying Respirator with ammonia cartridge, face shield, apron, and rubber gloves.

6.2.2 A hose with running water to dilute the small amount of contained aqueous ammonia solution.

6.2.3 The worker shall verify a good path of egress prior to starting work.

6.2.4 Bleed the contained aqueous ammonia solution off at a slow rate.

6.3 Annual Condition Assessment Survey

An annual condition assessment survey shall be performed to assess the condition of the aqueous ammonia system. This survey shall be scheduled for the first opportunity after November 1st in which the aqueous ammonia system is not in service. The condition assessment survey shall include:

6.3.1 The aqueous ammonia system components shall be walked down and visually inspected for signs of deterioration. Signs of deterioration shall be investigated to determine their impact of the integrity of the system. Any deficiencies shall be recorded and corrected.

6.3.2 All aqueous ammonia equipment foundations and pipe supports shall be visually inspected for corrosion, abrasion, and integrity. Any deficiencies shall be recorded and corrected.

6.3.3 Every valve in the aqueous ammonia system shall be visually inspected. Every valve, excluding vent and drain valves, shall be fully opened and closed to assess condition and ease of operation. Any deficiencies shall be recorded and corrected.

6.4 Integrity Testing of Bulk Aqueous Ammonia Tank

Every five years, the bulk aqueous ammonia tank shall be subjected to an integrity test. The integrity test shall include a comprehensive ultrasonic examination of the tank wall thickness. The results of the ultrasonic examination shall determine if an interior visual inspection is also required. The following tank ancillary equipment shall be removed, inspected, calibrated, and/or recertified, as appropriate:

- Pressure Relief Valve
- Vacuum Relief Valve
- Flame Arrestor (flame check)
- Level Gage
- Pressure Gage
- Temperature Indicator
- Any deficiencies shall be recorded and corrected prior to returning the tank to service.

6.5 Maintenance of Ammonia Gas Detection System

Routine maintenance of the six ammonia gas detectors consists of periodic calibration. The calibration requires the detector to be subjected to an ammonia calibration gas and the electronic circuitry adjusted to generate a reading equal to the calibration gas concentration. The four tricolor LEDs shall also be checked to verify that the instrument is in a normal operating condition.

7.0 Training

7.1 Risk Management Program Training

All station personnel are required to review this Station Order, periodically with recurrent training or whenever there is a change, to ensure understanding and compliance with the applicable operating procedures. This training is conducted either by computer based training, by required reading or by classroom instruction.

7.2 Hazard Communications Training

All Operation and Maintenance personnel receive initial and periodic recurrent Hazard Communication training. This training includes awareness training on all hazardous substances used at the facility, including aqueous ammonia and aqueous hydrazine. This training is conducted either by computer base training, by required reading or by classroom instruction.

7.3 Systems Training

Station Operators receive comprehensive training in all the systems and processes at the generating station. Their training includes several months of classroom instruction on the principles of power plant operations and several months of apprenticeship. Additionally, every Operator must complete a proficiency checklist by demonstrating to a more senior Operator their knowledge of the components, proper operation, and limitations of each system and process at the generating station.

7.4 Work Authorization Training

All Operation and Maintenance personnel receive initial and periodic recurrent training on RRI Energy's "Work Authorizations-Red Tag" procedures. This training is conducted either by computer based training, by required reading or by classroom instruction.

8.0 Emergency Response

8.1 Releases

The following are recommended steps to be followed in the event of an accidental release of aqueous ammonia:

8.2 Identify the source of the ammonia leak:

- Do not touch or walk through spilled material.
- Stop the leak if you can do it without risk.
- Prevent the spill from escaping the secondary containment area.
- Use a water spray to reduce vapors or divert cloud drift.
- Isolate the area until vapors have dispersed.

8.3 Isolate and control the source of the leak:

- Only do so if properly trained and wearing the appropriate PPE.
- Evacuate the spill or leak area immediately for at least 330 to 660 meters in all directions.
- Keep unauthorized personnel away.
- Stay upwind by viewing the wind socks within the facility.
- Avoid low or confined areas.
- Keep out of low areas and ventilate closed spaces before entering.

8.4 In case of a fire:

While aqueous ammonia does not ignite, its vapors can burn with the production of irritating or poisonous gases. Fire involving aqueous ammonia may be extinguished with dry chemical, CO2, water spray, fog, or standard foam. Also extra cautions should be included if the fire involves the storage tanks.

- Shut down all aqueous ammonia operations (if applicable).
- Fight fire from maximum distance, use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Do not direct water safety devices.
- Withdraw immediately in case of rising sound intensity from venting safety devices or if discoloration of the tank is observed.
- Always stay away from the ends of tanks.

8.5 First Aid

Administer first aid to injured personnel (if applicable).

- Move victim upwind to fresh air.
- Notify the control room if medical care is needed.
- Apply artificial respiration if victim is not breathing.

NOTE: Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Keep victim warm and quiet.
- Keep victim under observation.
- Effects of contact or inhalation may be delayed.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

8.6 Evacuation

Evaluate the emergency and assess the possible need for an evacuation.

- Observe the wind direction to determine which one of the two evacuation assembly areas should be used.
- Depending on the situation personnel may be required to assembly in another location that is not designated as a normal assembly area.
- Personnel may need to be directed to evacuate the station.
- Alert all on-site personnel and direct them to one of the evacuation assembly stations or off site location.
- If an evacuation is called for make sure to account for all personnel that are on-site.

8.7 Notification

The order of notification of the following personnel and organizations must be decided at the time of the incident and would also be determined by the type and severity of the situation.

8.7.1 Notify Station Management Members:

- Station General Manager
- Environmental & Safety Representative
- Operations Manager
- Maintenance Manager
- Business Manager
- Operations Specialist

8.7.2 Contact off-site emergency responders as necessary:

- Fire – 911
- HazMat – 911
- Paramedics – 911
- Sheriffs – 911

8.7.3 Contractor Assistance:

- MP Environmental, Inc. – 1-800-458-3036
- United Pumping Service, Inc. – 1-626-961-9326

8.7.4 Report the release immediately to the proper authorities Federal, State, Local, if the release will impact others off site, the environment or if the release is 1,000 pounds or more.

- National Response Center – 1-800-424-8802
- San Bernardino County Fire Protection District, Hazardous Materials Division 909-387-3044 or 1- 800- 338-6942
- California Office of Emergency Services – 1-800-852-7550

8.8 Incident Coordination

The control room shall coordinate all responses to an emergency. They will coordinate all activities with station personnel. They will also coordinate all activities with offsite emergency responders to the station. They will also coordinate with offsite contractors responding to mitigate the situation.

The control room operator may ask station personnel to assist in the emergency response, the coordination of contractors and with emergency responders. However the control room operator will still be the primary point for placing calls for additional resources and for the operation of station systems as needed.

The control room will coordinate all requests for placing equipment in a safe condition for work or access by using RRI's "Control Of Hazardous Energy Sources" also know as "Lock Out / Tag Out (LOTO)".

If or when the Emergency Services Incident Command system is implemented, all station personnel will assist the Incident Command with technical and manpower assistance as needed, within each person's knowledge, training and capability.

Annual Groundwater Monitoring Report

Groundwater Detection Monitoring Program with Fourth Quarter 2009 Sampling Data

Etiwanda Generating Station
8996 Etiwanda Avenue
Rancho Cucamonga, California 91739

For Southern California Edison

February 7, 2010



Prepared by:

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Appendix 1: 12/09 Sampling Events -- Field Forms

Daily Report

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Background

In 1996, Southern California Edison Company (Edison) implemented a Water Quality Monitoring Program in response to a Final Judgment pursuant to Stipulation, handed down by the Superior Court of California, Los Angeles County, Number BC 121219 on February 1, 1995. The Stipulation alleged that Edison had stored hazardous wastes in un-permitted surface impoundments at eleven of their generating stations in southern California. Edison agreed to close these surface impoundments and associated sumps according to Title 22, California Code of Regulations, Chapter 15.

There are three retention basins on the site (Figure 3). The North and South Basins were constructed in 1952 and are of equal size. The two basins are separated by a dike that is eight feet wide at the top. The basins are connected by a gate in the dike which allows the fluids to pass from one basin to the other when open. The basins are about 100 feet wide and 135 feet long with a depth of 12 feet. The original construction was a 4-inch layer of gunite over a 1.5:1 slope and on the bottom. In 1988, an 80 mil HDPE liner was placed over the gunite in both basins. The purpose of the retention basins is to collect and store non-hazardous wastewater from the facility and to allow the wastewater to be metered systematically to a discharge point under the provisions of an NPDES permit.

The third basin was constructed as a Boiler Chemical Cleaning Basin (BCCB). This basin is rectangular in shape with plan dimensions of about 98 by 232 feet and a depth of about 8 feet. The basin has flat side slopes of about 5:1 and was constructed is 1979. The original liner was composed of a 4-inch thick layer of hydraulic asphaltic concrete. In 1988, the basin was relined with three layers of 80 mil HDPE liner, each layer separated by a geotextile, and placed

over the original asphaltic concrete. The geotextile would allow any leakage to drain to a separate sump for each layer. Since construction, the BCCB has not been used for any purpose and is considered out of service.

Edison performed an investigation designed to determine if the basins at the site had released any water containing abnormal pH values or metals to the soil leading to groundwater (Edison, 1996). Because of the basin size and the minor usage, it was proposed that a soil sampling program be performed below the liner. If the soils directly beneath the basin could be demonstrated to be free of abnormal pH and metal concentration values, then a groundwater monitoring program would not be necessary.

The investigation occurred in the fourth quarter of 1996. The soil was investigated using two methods: a soil vapor survey and soil sampling. A few elevated metal concentrations were detected in two or three borings beneath each retention basin when compared to other samples. Though no volatile organic compounds were detected in the soil vapor samples, a few soil matrix samples were determined to have VOC parameters present in the matrix. The conclusion of the investigation (Edison, 1997) was that minor leakage had occurred beneath each basin because of the elevated metal concentrations, pH values, and presence of VOCs in the soil matrix samples.

The DTSC requested that additional site characterization data be obtained to determine the vertical extent of the detected contamination and if any perched groundwater exists beneath the basins. An investigation of a nearby facility indicated a silty sand layer at a depth of about 40 feet tended to perched water. The following scope of work was performed to obtain the required data to answer the two issues.

Five angle borings were drilled beneath the North and South basin complex to a depth of 100 feet. The bottom of the holes was at a vertical depth of 70 feet below the bottom of the basins. A minimum of 17 soil samples was

collected from each boring on five foot intervals from below the basins. Soil samples at 10-foot intervals were sent to a laboratory to be analyzed for pH, electrical conductivity, metals, iron, aluminum, and VOC parameter. Soil vapor probes were installed in each boring at two levels.

The results of the second investigation were submitted to the DTSC in a report titled "Phase 2 Investigation, Etiwanda Generating Station," dated September 8, 1998. As with the previous investigation, a limited number of soil samples detected higher concentration of metals when all of the samples were compared. No VOCs were detected in the soil vapor samples or in the soil matrix samples.

It was concluded from the two investigations that leakage had occurred through the basin liners causing limited changes in the native soil chemistry. Since it could not be demonstrated that the basin had not leaked, Edison was directed to begin a groundwater Detection Monitoring Program.

In June 2001, Edison submitted a Water Quality Monitoring Program (WQMP) to the DTSC which established the goals of the program. Appendix A of the WQMP described the design of the groundwater monitoring wells and the procedure to install the wells. After the approval was received from the DTSC, the prescribed four groundwater monitoring wells were installed during April 2002. The initial groundwater sampling event at the facility was the second quarter of 2002.

The initial groundwater gradient plot showed two problems with the monitoring system. The local groundwater gradient had a higher westward vector than anticipated when positioning the wells. It was apparent that no wells were downgradient of the North and South Retention basins. Well EW-1 was upgradient of the basin complex and wells EW-2 and EW-3 were downgradient of the BCCB.

Two additional wells, EW-5 and EW-6, were installed downgradient of the basins. The groundwater elevations of these wells were consistent with the measured southwest gradient. It appears that the aquifer penetrated by well EW-4 is in a confined condition and is a separate water body from the other five wells.

Introduction

The EPA has developed guidance for long term (over 2 years) groundwater monitoring. To collect quality and reliable samples over a long time period, a dedicated pumping system is highly recommended. To meet the EPA recommendations, dedicated pumps were installed in the monitoring wells.

The purpose of this report is to compile the monitoring data from the sampling events occurring in 2009 and describe any significant findings. The groundwater data is presented in hydrographs, potentiometric maps, and time-series graphs. The time-series graphs include all data collected at the site since inception of the groundwater sampling. Since the Annual Report encompasses the fourth quarterly report, all field forms and laboratory results from that event are contained in the Appendix 1. The laboratory analytical results are attached. A copy of the Chain of Custody form is located in Appendix 3.

Sampling Event

The fourth quarter sampling event occurred on December 3, 2009. The geographic location of the facility is shown on Figures 1 and 2. The position of the monitoring wells in relation to the basin is shown on the station facility's map, Figure 3. The design of the sampling wells is contained on Table 1. The

purpose of the quarterly sampling is a Detection Monitoring Program for the three basins at the site. All sampling procedures were performed as described in the DTSC approved Sampling and Analysis Plan (SAP) dated August 2000.

The sampling routine began with an inspection of the monitoring wells and obtaining water level measurements. All wells were in good condition. The water levels were recorded on the Water Level Measurements field form.

The probes of the Hach pH and EC meter, and the Hanna dissolved oxygen probe were calibrated at the beginning of the sampling day. The Hach turbidity meter was also calibrated with secondary standards. Per the SAP, the turbidity meter is calibrated with Primary standards annually as directed by the manufacturer. All calibration information was recorded on the Calibration Log.

All purging was performed as described in the SAP. After the water quality parameters stabilized, as illustrated on the Field Parameter form, the labeled sample containers were filled and placed in ice chests. All field forms created during the sampling event are contained in Appendix 1. These forms include Daily Report, Water Level Measurements, Calibration Log, and Field Parameters for each well.

Four quality control samples were collected during the sampling day. Two field blanks were collected at separate locations over the site. These will determine if any potential aerial contaminates are present while the VOC vials were filled. A duplicate sample was collected at a randomly selected well to check the quality of the laboratory analysis. A trip blank supplied by the laboratory was kept in the ice chest with the VOC samples collected over the sampling day.

Groundwater Gradient

Table 2 contains groundwater elevation data for the last several quarterly sampling events. It includes the gradient data measured at the four 2009 quarterly sampling events: 3/16/09, 6/10/09, 9/9/09, and 12/3/09. Figure 4 is a groundwater elevation plot for the monitoring wells. Potentiometric plots for the sampling events are shown on Figures 5 through 8.

The groundwater level measured in well EW-4 was not included in the development of the gradient plots. The groundwater elevation plot (Figure 4) shows that the level in well EW-4 is over thirty feet higher than the other project wells and do not respond to regional groundwater as do the other wells. The plot shows that the water level in well EW-4 is under a constant pressure head. The Well Completion Report for the Etiwanda project wells, dated June 25, 2003, has shown the aquifer penetrated by well EW-4 to be in a confined condition.

It should be noted that the initial water levels measured in well EW-3 were also higher than the regional groundwater level. However, as shown on Figure 4, the water level in well EW-3 rapidly declined. The water level began to correspond to the regional levels after the May 2002 readings. Though subtle, the hydrograph for well EW-3 shows a slight increase at the 12/03 sampling event. At this event, the chemistry of the groundwater sample collected from this well began to change. This will be discussed in the analytical section below.

The groundwater gradient beneath the basins declined over the 2009 sampling year. The groundwater flow was in a southwest direction with a calculated slope of 0.005 ft/ft. Figure 4 illustrates a decline in the groundwater level beneath the site over the past several years. This has culminated with the level measuring below the sampling pump elevation for well EW-6 at the December 2008 event and well EW-2 at the December 2009 event.

Groundwater Quality Data

The tests performed on the samples obtained at the site were CAM metals with chromium VI, volatile organic compound by EPA Method 8260, and general mineral parameters. The test results have been divided into three tables and grouped by well number. Table 3 contains the analysis for the constituents of concern listed in the SAP. Table 4 shows all parameters that recorded values above the detection limit for the EPA Method 8260 analysis. Table 5 contains the results of the general mineral analysis.

The initial general mineral data showed some unexpected variability in the water chemistry. The cause of the variations was determined to be a residual problem from incomplete well development. It is extreme difficult to develop small diameter, deep groundwater wells which do not allow a sufficient intake flow. The DTSC also directed that some of the wells should have a very long screen section above the groundwater level. This was to investigate the possibility of a groundwater mound. Since the wells were drilled using bentonite fluid, it required a long development period to attempt to clean the long screen sections. After the initial sampling, each of the wells was re-developed to remove additional sediments from the gravel pack.

The need for further development was especially apparent in the sample collected from well EW-6 at the December 2002 sampling event. Barite chips were observed in the purge water. The analytical data from the December 2002 sample showed a very high concentration of barium, iron, and manganese. These parameters are the main composition of barite. Well EW-6 was re-developed after the December 2002 event and a significant quantity of barite product was removed. The wells were again developed in January 2003.

Time-series charts have been created for each parameter where a value was detected above the PQL. The charts are contained in Appendix 2. Each

chart displays the data from the beginning of the investigation. If the laboratory indicated the parameter was not detected for any quarter, the "not detected" quarter was assigned the PQL value for plotting purposes only. This does not imply that this value is present in the groundwater sample. The PQL values are clearly denoted on each graph when it was applied.

Metal Parameters

The following is a list of metal parameters that were never detected during the groundwater investigation. Time-series plot will not be developed for these parameters:

Antimony	Beryllium
Cadmium	Thallium
Mercury	Silver

The following section will describe the time-series charts for each parameter. The charts are contained in Appendix 2.

pH – Chart 1 shows the pH values were reasonably consistent over the study period.

Total Dissolved Solids – Chart 2 shows that the TDS values began to demonstrate stability after the final phase of well re-development was completed in January 2003. The values measured for the samples collected from well EW-4 were consistently higher that the other wells until the TDS values measured in the groundwater collected from well EW-3 began to increase at the 12/03 event. The TDS values approached that of well EW-4 by the 9/04 sampling event and became higher at the 6/05 event. This trend reversed after the 3/06 event with

the TDS values detecting lower concentrations. It is believed that the groundwater collected from well EW-3 is influenced by the confined aquifer encountered by well EW-4. The general mineral data collected for well EW-3 shows the same trends for calcium (Chart 21), magnesium (Chart 22), and sulfate (Chart 26).

Arsenic – Arsenic has been detected in three samples since the monitoring program began. The maximum arsenic concentration was detected in a sample collected from well EW-6 with a value of 3.4 µg/l (Chart 3).

Barium – The barium concentrations have been consistent over the study period (Chart 4) with the exception of well EW-6. Samples collected from well EW-6 have most consistently detected the highest concentrations. This is because of residual barium in the well casing and gravel pack from the drilling additive Barite. Small flakes of barite were noted during the purge cycle. The barium concentrations have decrease over the study period.

Chloride – The chloride concentrations for the wells show similar trends to the TDS values (Chart 5).

Chromium, Total – Chart 6 indicates that low concentrations of total chromium have been detected in samples collected from each of the wells. An increasing then decreasing trend is shown for the samples collected from well EW-4 between June 2003 and June 2004 with a high of 230 µg/l. As discussed earlier, the groundwater aquifer penetrated by well EW-4 is believed to be confined below a hard clay layer. Therefore, this water could not be impacted by the station retention basins. A transitory concentration was detected in the sample collected from well EW-4 at the 6/05 event with a recorded concentration

of 160 µg/l. The highest concentrations have most consistently been detected in samples collected from wells EW-4 and EW-3.

Chromium VI – Chromium VI has been detected in samples collected from all project wells (Chart 7). Until the 2005 sampling year, the highest concentrations had been detected in the samples collected from well EW-4. An increasing trend for the concentration detected in samples collected from well EW-2 is shown over the 2005 sampling year. The maximum concentration of 29 µg/l was detected at two consecutive events in samples collected from well EW-3. A transitory spike of 26 µg/l was detected in the sample from well EW-2 at the 3/07 event.

Cobalt – The highest concentration of cobalt was detected in a sample collected from well EW-6 at the December 2002 event (Chart 8). The recorded concentration was 5.6 µg/l. The subsequent sample from well EW-6 did not detect cobalt. The samples collected from well EW-4 indicate an increasing then decreasing trend from June 2003 and June 2004. A single spike concentration was detected in the sample from well EW-4 at the 6/05 event. These trends match the chart pattern for several metal parameters (total chromium, copper, lead).

Copper – Copper has not been consistently detected in the groundwater samples from the project wells (Chart 9). An increasing and decreasing trend occurred from June 2003 and June 2004 for the samples collected in well EW-4 with a spike concentration at the 6/05 event. The maximum concentration was detected in the sample collected from well EW-6 with a value of 17 µg/l at the 9/03 event.

Fluoride – Low concentrations of fluoride were detected in the groundwater samples from the project wells while the PQL was 0.05 mg/l (Chart 10). The highest concentration was detected in the sample collected from well EW-5 with a value of 0.47 mg/l. Fluoride has not been detected in the project wells since the PQL was set at 0.5 mg/l at the 9/04 event.

Iron – The iron concentration in the samples collected from compliance wells show variations over the study period (Chart 11). The concentration trend shows a decline in the iron content of the groundwater samples. The sample from well EW-6 recorded a spike concentration of 24,000 µg/l caused by incomplete well development.

Lead – Lead has most frequently been detected in samples collected from well EW-4 (Chart 12) with the highest concentration recorded at the 6/03 event (5 µg/l). The maximum concentration for any well was detected in a sample collected from the background well EW-1 at the 6/05 event (5.8 µg/l).

Molybdenum – The samples collected from the project wells detected molybdenum concentrations in the range of 3 to 5 µg/l (Chart 13). The exception is the variety of concentrations recorded for the samples collected from well EW-4. The concentrations detected in this well varied from 2 to 10 µg/l with a spike value of 36 µg/l.

Nickel – Chart 14 indicates that low concentrations of nickel have been detected in the samples collected from compliance wells. These concentrations are below 20 µg/l. The samples collected from well EW-4 demonstrate an increasing then decreasing trend between June 2003 and June 2004. The maximum concentration recorded was 170 µg/l at the 9/03 event. As stated, the

groundwater samples from well EW-4 are believed to originate in a confine aquifer.

Selenium – The maximum concentration of selenium (9.3 µg/l) was detected in a sample collected from well EW-4 (Chart 15) at the 9/03 event. The samples collected from well EW-3 detected selenium between the 12/03 and 9/05 events.

Silver – A single detection of silver with a concentration of 1.4 µg/l was recorded in a sample from well EW-3 at the June 2003 event.

Vanadium – Vanadium has been detected in samples collected from each of the project wells (Chart 16). The maximum concentration recorded (22 µg/l) was detected in the sample collected from well EW-5 at the 12/07 event. The highest concentration for an event has been detected in samples collected different wells over the study period including the background well.

Zinc – Chart 17 shows that the detected zinc concentrations began to stabilize to values less than 50 µg/l during the early sampling events. The spikes observed for well EW-6 samples are believed to be a result of the Barite continuing to be removed from the gravel pack. The higher concentrations in the samples from well EW-4 are from a confine aquifer and are not related to the other wells. A transitory spike was recorded in the background sample (EW-1) at the 9/04 event.

Aluminum – Chart 18 shows spike aluminum concentrations for several well samples over the sampling events. The maximum concentration was

detected in the sample collected from well EW-4 at the 6/03 event with a value of 2600 µg/l.

Manganese – The manganese concentration for the samples collected from wells EW-1, EW-2, EW-3, and EW-5 displayed consistent trends over the study period (Chart 19). The high values recorded for the samples from well EW-6 are a result of the Barite additive continuing to be removed from the gravel pack. The higher concentrations in the samples from well EW-4 are from a confine aquifer and are not related to the other wells.

Nitrate – Chart 20 indicates that nitrate has been detected in samples collected from each of the project wells. The highest concentrations have been detected in samples collected from wells EW-1 and EW-5 through the 2005 sampling year. During the 2006 and 2007 events, the highest concentrations were recorded in samples from wells EW-5 and EW-6.

Volatile Organic Compounds (VOC)

Table 4 shows only the values for parameters from the EPA Method 8260 analysis that exceeded the PQL. The bromoform and chloroform compounds detected are the results of chlorination. Chlorine was added to the well water during the development process to assist in the breakdown of the drilling mud. It is believed that the influence of this chlorine is still present in the well samples. Bromoform and dibromochloromethane were detected in the trip blank at the June 2002 event which indicates that these compounds were present in the laboratory. At the December 2002 event, butanone and acetone were detected in the sample collected from well EW-6. Butanone is a common additive to the

grease used on drill steel and was most likely a contaminate introduced by the drill rig. These two compounds were only detected at the December event.

General Mineral Parameters

The General Mineral data from the sampling events are contained in Table 5 and arranged by well number. Below are time-series charts for each of the parameters except those discussed above. Generally, the data shows that the groundwater samples collected from well EW-4 has a different chemistry from the other project wells until the 12/03 event. Here, the chemistry of well EW-3 began to approach that of well EW-4. It appears that the confined aquifer began to influence the general chemistry of the groundwater samples at well EW-3 after the 9/03 event. However, the data shows that the influence has diminished after the 2005 sampling year.

Calcium – Chart 21 shows the calcium concentration range between 30 and 50 mg/l after the final re-development in January 2003. The data for well EW-4 shows an increasing trend to the 12/03 event. The calcium concentration for well EW-4 remained consistent over the 2004 sampling year with a value of about 220 mg/l. An increasing trend for the calcium concentration of the samples collected in well EW-3 is displayed through the 2004 sampling year with a high of 190 mg/l. At the 6/05 event, the sample collected from well EW-3 exceeded the calcium concentration detected in well EW-4. This trend reversed after the 2006 sampling year.

Magnesium – Chart 22 shows similar trends for the magnesium concentrations as with calcium. The data for well EW-3 shows a maximum value of 55 mg/l.

Sodium – With the exception of a transitory peak for a sample from well EW-3, the sodium values have been consistent over the study period (Chart 23).

Potassium – Chart 24 shows the potassium concentration was consistent over the study period. The data from wells EW-3 and EW-4 have consistently shown higher concentrations.

Bicarbonate – The bicarbonate concentration remained constant for each well except EW-6 which maybe related to the Barite problem (Chart 25).

Sulfate – Chart 26 shows similar trends for the sulfate concentrations as with calcium and magnesium. The data for well EW-3 shows a maximum value of 560 mg/l.

Conclusions

The groundwater gradient pattern beneath the basins declined over the 2009 sampling year. The groundwater flow was in a southwest direction with a calculated slope of 0.005 ft/ft. The groundwater level measured in well EW-4 was not included in the development of the gradient plot. The groundwater elevation plot (Figure 4) show that the level in well EW-4 is over thirty feet higher than the other project wells and does not respond with the regional groundwater gradient. The plot appears to show that the water level in well EW-4 is under a constant pressure head and is confined.

The general mineral analytical data shows that, initially, the groundwater collected from wells EW-1, EW-2, EW-3, EW-5, and EW-6 are of the same

source. The TDS value of the samples collected from well EW-4 has been as high as 1,300 mg/l. The higher TDS value is most likely related to residency time in the aquifer. After the 9/03 event, an increasing trend was recorded for the TDS values of samples collected from well EW-3. This was followed by a decreasing trend for the TDS concentrations after the 2005 sampling year. This was reflected in the general chemistry as well as a few of the metal constituents.

There was a subtle increase in the groundwater level measured at well EW-3 when compared to the other wells. As discussed in the gradient section, the initial water levels measured in well EW-3 was higher than the regional level. The well log for EW-3 indicated that a confined aquifer may have been penetrated by the bore-hole. It appears that the confined aquifer penetrated by well EW-4 may have influenced the groundwater sampled at well EW-3.

There are no metal or VOC parameters that would indicate a change in the groundwater between the background and compliance wells. There are higher concentrations of several metals in the samples collected from well EW-4 in the confined aquifer. These include total chromium, cobalt, iron, lead, molybdenum, nickel, and zinc. The influence of the confined aquifer to well EW-3 has shown an increase of total chromium, chromium VI, nickel, and selenium.