Phase I
Environmental Site Assessment

Orange Grove Project Site

San Diego County, California

Prepared for

J POWER USA DEVELOPMENT COMPANY, LTD

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EXECUTIVE SUMMARY

TRC Solutions, Inc. (TRC) was retained by J Power USA Development Company, Ltd. (J Power) to conduct a Phase I Environmental Site Assessment (ESA) of a portion of the property owned and occupied by San Diego Gas and Electric (SDG&E), 10300 block of Pala Road (Highway 76), Assessor's Parcel Number (APN) 110-072-26, unincorporated San Diego County, California (Subject Property). A historical investigation and site inspection of the Subject Property were performed by TRC in accordance with the requirement of American Society for Testing and Materials (ASTM) E 1527-05 Standard Practice for Phase I ESAs.

The Subject Property is approximately 8.5 acres out of the total of approximately 54 acres that SDG&E owns and manages. This larger SDG&E property, which includes the Subject Property, has been owned by SDG&E since 1970. Historical land use of the Subject Property appears to be limited to a citrus orchard. Active management of the orchard appears to have ended over six years ago and some of the trees are dead or stressed, apparently from lack of water and care. SDG&E does not appear to perform any active work on the Subject Property. Soil sampling has been performed on the Subject Property and, based on the results, historical pesticide and herbicide use does not appear to be a Recognized Environmental Condition as defined by ASTM Practice E 1527-05.

SDG&E does utilize other portions of the SDG&E property that are not part of the Subject Property. An active electrical substation is located on the south side of the SDG&E property. There is an old storage facility to the south of the Subject Property. No evidence of releases on this larger SDG&E property has been identified during this investigation.

No other offsite properties of concern have been identified in the vicinity of the Subject Property.

Based on these findings and conclusions, TRC's Phase I ESA, performed in conformance with the scope and limitations of ASTM Practice E 1527-05, revealed no evidence of Recognized Environmental Conditions in connection with the Subject Property.

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1.0 INTRODUCTION

1.1 Statement of Purpose

TRC Solutions, Inc. (TRC) was retained by J Power USA Development Company, Ltd. (J Power) to conduct a Phase I Environmental Site Assessment (ESA) at the planned location of an electrical generating facility. This facility location is situated within and is part of a larger property owned by San Diego Gas and Electric (SDG&E), 10300 block of Pala Road (Highway 76), unincorporated San Diego County, California (Figures 1 and 2 in Appendix A). This facility location is situated within San Diego County Assessor's parcel number (APN) 110-072-26 and is approximately 8.5 acres (Figure 2). For the purposes of this report, the planned facility location will be referred to as the Subject Property and the larger SDG&E property, including the Subject Property, will be referred to as the SDG&E property. Items described as onsite indicate they are located on the Subject Property and items on the remainder of the SDG&E property excluding the Subject Property will be referred to as being offsite.

This Phase I ESA has been prepared by TRC in accordance with American Society for Testing and Materials (ASTM) E 1527-05 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM Practice E 1527-05) and is intended for the sole use of J Power. The purpose of this assessment is to identify *Recognized Environmental Conditions (RECs)*, as defined in the ASTM Practice E 1527-05 standard, in connection with the Subject Property.

1.2 Scope of Investigation/Services

This Phase I ESA consisted of the following tasks:

- Site reconnaissance.
- Description of historical site conditions.
- Interview with Jeffery Sykes, SDG&E Land Management Supervisor.
- Review of previous reports, environmental database and regulatory agency records.
- Preparation of a report summarizing findings, opinions and conclusions.

1.3 Limitations and Exceptions

Below are listed limitations and exceptions with this Phase I ESA.

1.3.1 Accuracy and Completeness

TRC makes no guarantees as to the accuracy or completeness of information obtained from others. It is possible that information exists beyond the scope of this investigation or that was not provided to TRC. Additional data subsequently provided, discovered, or produced may alter findings or conclusions made in this Phase I ESA report. TRC is under no obligation to update this report to reflect such subsequent information. The findings presented in this report are based upon the information reasonably available and observed on site at the time of this assessment. Conditions may have changed since the information was gathered and the findings and conclusions of this report are not meant to be indicative of future conditions at the Subject Property. This report may not be relied on by any party other than the client with whom TRC has contracted to prepare this report.

1.3.2 Warranties and Representations

This report does not warrant against: (1) operations or conditions that were not in evidence from visual observations or historical information obtained; (2) conditions that could only be determined by physical sampling or other intrusive investigation techniques; or (3) locations other than the client-provided addresses and/or legal parcel description or information on off-site locations (with possible impact on the Subject Property) not published in available records.

1.3.3 Continued Validity/User Reliance

This report is presumed to be valid for a period of 180 days from its completion, until J Power obtains specific information that may materially alter a Finding, Conclusion or Opinion in this report or until J Power is notified by TRC that it has obtained specific information that materially alters a Finding, Conclusion or Opinion in this report.

1.3.4 Exceptions to the ASTM E 1527-05 Practice

Limiting conditions included the inability to access SDG&E's current substation located to the southwest of Pala Del Norte Road, the on site storage area located just northeast of the intersection of Pala Del Norte Road and Highway 76, and approximately 20 acres of

the northern portion of the Subject Property situated on steep, undeveloped, rocky terrain. The identified limited conditions appeared unlikely to significantly affect TRC's ability to identify current or historic recognized environmental conditions at the Subject Property.

1.3.5 Significant Assumptions

TRC assumed that all information pertaining to the Subject Property provided in interviews with the current owner's representative and in historical information obtained from identified sources was accurate and complete.

2.0 SITE DESCRIPTION

Below are listed site descriptions by category.

2.1 Site Location and Legal Description

The Subject Property is a portion of APN 110-072-26, which is located on the 10300 block of Pala Road (Highway 76), unincorporated San Diego County, California. Figures 1 and 2 in Appendix A show the general vicinity of the Subject Property.

2.2 Site and Vicinity General Characteristics

Entrance to the Subject Property is provided by Pala Del Norte Road, which intersects with Highway 76 approximately 3 miles northeast of Interstate 15 and continues on northeast of the Subject Property. The Subject Property is approximately 8.5 acres in size. The Subject Property is situated on an alluvial fan surface that slopes southward at an average grade of approximately 10 percent (TRC, 2007; Appendix B). The Subject Property layout is presented as Figures 2 and 3 in Appendix A. The San Luis Rey River runs nearly parallel to Highway 76 approximately 0.25 mile south of the Subject Property.

2.3 Current Uses of Property – Description of Structures, Roads, and Other Improvements

The Subject Property consists primarily of a former orchard and dirt roads to access the orchard. Plastic irrigation pipes are visible running through the orchard, as well as water/hose connections. However, the pipes and connections do not appear to be in use. Small portions of the Subject Property consist of relatively undeveloped land.

2.4 Current Uses of Adjoining Properties

The Subject Property is located entirely within a larger SDG&E property. In addition to the uses on the Subject Property, this SDG&E property consists of more former orchards, a storage facility and an electrical substation. Pala De Norte Road splits the SDG&E property between the substation to the south and the rest of the SDG&E property to the northeast.

Extending beyond the surrounding SDG&E property, there are three private residences located northeast of the Subject Property while the areas north and west of the Subject

Property are generally undeveloped. An inactive aggregate quarry is located to the south of the Subject Property, between Highway 76 and the San Luis Rey River. An ornamental nursery is located approximately 0.50 mile southeast of the Subject Property.

3.0 USER PROVIDED INFORMATION

3.1 Title Records

The Title Report obtained during a previous TRC Phase I ESA was reviewed (TRC, 2007; Appendix B). At that time, the parcels that comprise the SDG&E property, which includes the Subject Property, were vested in SDG&E. The Title Report identifies ownership of riparian rights, lists various rights of way, and notes that part of the property has been identified as being in an Agricultural Preserve. No evidence of actual land uses relevant to potential historical hazardous material usage was identified. A copy of the Title Report is included with a copy of the previous Phase I ESA in Appendix B.

3.2 Environmental Liens or Activity and Use Limitations

TRC retained Environmental Data Resources (EDR) to conduct a search for environmental liens imposed on the Subject Property. No environmental liens were identified (Appendix C).

3.3 Valuation Reduction for Environmental Issues

The User has not provided any information regarding valuation reductions for environmental issues.

3.4 Owner, Property Manager, and Occupant Information

The Subject Property is currently owned and operated by SDG&E. SDG&E has owned the property since 1970 and it is maintained by SDG&E personnel.

4.0 RECORDS REVIEW

The following sections summarize information obtained through a review of available historical and environmental records.

4.1 Mandatory Standard Physical Setting Source

To determine the topographic characteristics of the site and vicinity, TRC reviewed the United States Geological Survey (USGS) 7.5 Minute Topographic Map for the "Pala, CA" Quadrangle dated 1988 and utilized Google Earth Pro (2007) virtual globe (Figure 1 in Appendix A). The Subject Property is positioned on the toe of a small, gently sloping, southeast facing alluvial fan, which is located along the northwestern edge of the San Luis Rey River alluvial channel. The San Luis Rey River channel runs southwest through the rugged Palomar Mountain complex of the Peninsular ranges. The Subject Property is located at an average elevation of approximately 390 feet above mean sea level (msl). Approximately 0.9 miles to the north an unnamed peak sits at approximately 1,460 feet, and approximately 1.2 miles to the southeast an unnamed granitic peak reaches over 1,840 feet (TRC, 2007).

Figure 1 in Appendix A includes the 2000 USGS "Pala, Bonsall, Temecula, and Pechanga, CA" Quadrangles.

4.2 Discretionary and Non-Standard Physical Setting Sources

Discretionary and non-standard physical setting sources reviewed included only the Google Earth Pro (2007) virtual globe.

4.3 Standard Environmental Record Sources

A computerized radius search of State and Federal environmental record databases was performed to investigate sites with known adverse environmental conditions that have the potential to impact the site and surrounding vicinity. The search was performed pursuant to ASTM Practice E1527-05 using an electronic database search by EDR. A copy of the results of the database search, entitled The EDR Radius Map with GeoCheck® Report, is contained in Appendix C.

4.3.1 Subject Property

The Subject Property was not identified in the database report as a listed site.

4.3.2 Adjacent Properties

TRC also evaluated properties within the vicinity of the site to determine if those sites were likely to have a potential environmental impact on the Subject Property. No properties within the ASTM-standard search distances were identified in the database report as listed sites.

4.3.3 Orphan Sites

The EDR report identified 23 Orphan Sites that EDR did not have adequate information to map and, therefore, have the potential to be located near the Subject Property. Based on a drive through reconnaissance of the site vicinity and the available address information, these Orphan Sites do not appear to be located in the immediate vicinity of the site.

A previous EDR report in a previous Phase I ESA identified two sites as within 1/8 mile of the SDG&E property: Pala Store on Pala Mission Road and Pala Indian Reservation near Lilac Road (Haley & Aldrich, 2007a; Appendix D). However, both Pala Mission Road and Lilac Road are located over one mile east or northeast of the Subject Property so that TRC believes these two Orphan Sites are not located in the vicinity of the Subject Property.

4.4 Topographic Map Review

For this report, TRC used the topographic maps previously obtained by TRC in its 2007 Phase I ESA of the SDG&E property (TRC, 2007; Appendix B).

Six USGS topographic maps showing the project vicinity were obtained and reviewed for information concerning historical activity on or adjacent to the Subject Property:

- 1904 60 Minute Topographic Quadrangle
- 1947 15 Minute Topographic Quadrangle
- 1950 7.5 Minute Topographic Quadrangle
- 1968 7.5 Minute Topographic Quadrangle

- 1982 7.5 Minute Topographic Quadrangle (photorevised from 1968)
- 1988 7.5 Minute Topographic Quadrangle (photorevised from 1968)

The 1904 map shows the majority of northwestern San Diego County. The Subject Property is not visible since the map scale is too large at 1:250,000. The region is predominantly undeveloped and the nearest development visible is the town of Fallbrook, approximately 8 miles west of the Subject Property. The Pala Indian Reservation is visible just east of the Subject Property.

The 1947 topographic map shows Highway 76 in its present day location. Several roads intersect with Highway 76 east and west of the Subject Property. Pala exhibits some development as several buildings are now visible 2 miles west of the Subject Property. The Subject Property remains undeveloped.

The 1950 topographic map shows little change from the previous map. A few small buildings are now visible along Highway 76 within the vicinity of the Subject Property. Pala has increased in size and The San Diego Aqueduct is now visible running north-south, approximately 0.50 mile west of the Subject Property. The Subject Property remains undeveloped.

The 1968 topographic map shows the Subject Property has been developed into an orchard. A cluster of small buildings is now visible approximately 0.8 mile southeast of the Subject Property along Highway 76.

The 1982 topographic map shows a small building south of the Subject Property on the SDG&E property. Pala Del Norte Road is now visible bisecting the SDG&E Property immediately west of the orchard and heading north to the summit of the 1,460 foot unnamed peak. A rock quarry, with new access roads, is visible south across Highway 76. Several other quarries are located along the San Luis Rey River alluvial channel. A cluster of small buildings is positioned approximately 0.8 mile southeast of the Subject Property along Highway 76. A new road, running north from Highway 76, and several small buildings are now located at the head of Gomez Creek canyon to the east.

The 1988 topographic map shows no change to the Subject Property, and very little change to the immediate vicinity. The quarry, just south across the Highway 76, has greatly increased in size.

4.5 Aerial Photograph Review

For this report, TRC used the aerial photos previously obtained by TRC in its 2007 Phase I ESA of the SDG&E property (TRC, 2007; Appendix B). TRC reviewed aerial photographs of the Subject Property and vicinity from 1939, 1946, 1953, 1963, 1976, 1989, 1995, and 2002.

- The 1939 aerial photograph shows the Subject Property as vacant with no structures. Some of the areas of future orchards onsite have been cleared of vegetation but no structures are visible. Highway 76 is visible running east-west along its current alignment. The surrounding properties also appear to be similarly vacant.

- The 1946 aerial photograph shows some agriculture (orchard) development on the Subject Property and surrounding SDG&E property. A few buildings are visible offsite to the east along Highway 76. Otherwise, the surrounding properties appear to be vacant.

- The 1953 aerial photograph does not appear to show significant changes from the previous photograph.

- The 1963 aerial photograph shows a small building just southwest of the SDG&E Property on the south side of Highway 76. No other significant changes from the previous photograph were identified.

- The 1976 aerial photograph shows more development (roads, ponds) at the site of the quarry located south of the Subject Property. A small structure and an access road leading to it are shown on the southwest portion of the SDG&E property. This structure appears to be the original substation.

- The 1989 photograph shows Pala Del Norte Road running north-south across the SDG&E property. There is evidence of the first stages of the storage area on the SDG&E property south of the site and east of Pala Del Norte Road. No other significant changes from the previous photograph were identified.

- The 1995 photograph shows the storage area developed to its current size on the SDG&E property. Some of the ponds at the quarry to the south of the Subject Property appear to be filled in.

- The 2002 photograph shows little change from the previous photograph except for the expansion of the substation offsite to the southwest. The offsite quarry to the south shows development of ponds onsite again. The nursery appears to the east of the Subject Property. The general area remains undeveloped.

4.6 Sanborn Fire Insurance Map Review

Based on the search done in both previous Phase I ESA reports, Sanborn Fire Insurance Maps for the Subject Property are not available from the EDR for this location (TRC, 2007; Haley and Aldrich, 2007a; Appendices B and D).

4.7 City Directories

For this report, TRC used the city directory search from the previous TRC Phase I ESA (TRC 2007; Appendix B). Pala Del Norte Road was not listed in the city directories reviewed by EDR so that no data for the Subject Property was available.

4.8 Previous Phase I Environmental Site Assessment

TRC performed a Phase I ESA in April 2007 for the entire SDG&E property, including the Subject Property, on behalf of J Power in accordance with ASTM Practice E 1527-05. Onsite uses were identified as the substation, an unmaintained orchard and a material storage area that was also being used as a residence by the onsite caretaker of the property. TRC identified the potential for historical pesticide and herbicide use associated with the orchard, but did not identify other potential hazardous material use at the site from the available sources. No RECs were identified in this Phase I ESA. However, the report did recommend limited soil sampling to investigate the potential for impacts from the two pole-mounted transformers onsite, past potential pesticide/herbicide use and possible petroleum storage in the storage area (TRC, 2007; Appendix B).

Haley & Aldrich performed a Phase I ESA in May 2007 for the entire SDG&E property, including the Subject Property, on behalf of SDG&E in accordance with ASTM Practice E 1527-05. Similar observations of onsite use were made. This Phase I identified the following as potential RECs:

- The older pole-mounted electrical transformer in the central portion of the lemon grove may be contaminated with polychlorinated biphenyls (PCBs). No leaks or staining were observed in the vicinity of the transformer and as such no

immediate action is recommended. However, should this transformer be removed from the site, it should be tested for the presence of PCBs.

- The location and condition of the septic tank should be identified.
- Soil samples should be collected in former agricultural areas to determine the presence of pesticides/herbicides (Haley & Aldrich, 2007a; Appendix D).

The first two potential RECs identified by Haley & Aldrich appear to be located offsite. The potential presence of pesticides/herbicides would be applicable to the Subject Property. As described in Section 4.9 below, soil sampling has been performed to address the potential pesticide/herbicide issue.

4.9 Previous Phase II Environmental Sampling

In May 2007, Haley & Aldrich performed limited soil sampling at five locations on the SDG&E Property on behalf of SDG&E to assess the potential RECs identified in the Haley & Aldrich Phase I ESA. Based on the site plan in the report, two of the sample locations are on the Subject Property and the remaining three appear to be located in the orchard outside the Subject Property, near the refuse piles and near the storage area (Figure 3 in Appendix A). Planned groundwater samples could not be collected because groundwater was not encountered during drilling. Soil samples were collected at 1, 2 and 4 feet below grade (fbg), but only the 1-foot and 2-foot samples were analyzed. The 1-foot soil samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline (TPHg) and diesel (TPHd), pesticides, 1,2-dibromo-3-chloropropane (DBCP), herbicides, metals and volatile organic compounds (VOCs). The 2-foot samples were analyzed for TPHg, TPHd and PCBs. Only metals were detected above the laboratory detection limits, and the metals concentrations were found to be below background concentrations and/or United States Environmental Protection Agency (EPA) preliminary remediation goals (PRGs). Based on the results of this analysis, Haley & Aldrich concluded that further investigation was not needed to address the identified potential RECs identified in the 2007 Haley & Aldrich Phase I ESA (Haley & Aldrich, 2007b; Appendix E).

In November 2007, TRC submitted three soil samples collected at three locations on the SDG&E Property for laboratory analysis (Figure 3 in Appendix A). Two other soil samples were collected but not submitted for analysis. None of the samples appear to be located on the Subject Property. Two analyzed soil samples were collected at approximately six inches below grade directly beneath the eastern and western onsite pole mounted transformers. These two samples were analyzed for PCBs and the results were below laboratory detection limits. One analyzed soil sample was collected at

approximately six inches below grade at the topographic low point of the Subject Property, where it was assumed that surface contaminants could concentrate due to stormwater or irrigation runoff. This sample was analyzed for PCBs, pesticides, TPHg, TPHd, herbicides, metals and VOCs. Concentrations were below laboratory detection limits, within the range of background concentrations in California soils, or below PRGs. Based on these results and the previous Haley & Aldrich soil sampling results, TRC concluded the SDG&E property had been adequately assessed for historical RECs and recommended no further investigation (TRC, 2008; Appendix F).

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

The site was inspected visually on May 29, 2008 between 8:30 a.m. and 1:00 p.m. by Cade Johnson of TRC. Weather conditions for the inspection were sunny with mild temperatures. Photographs taken during the site visit are contained in Appendix G.

There were no limits to access to the Subject Property except for the large size of the property and the presence of vegetation covering the ground. Limiting conditions for inspection of the surrounding SDG&E property included the inability to physically inspect the current substation, storage facilities, two small storage structures, and the steep undeveloped terrain located to the north of the Subject Property.

5.2 Observations

The Subject Property is comprised of an unmaintained citrus orchard with a number of the trees appearing to be dead or stressed (Figure 3 in Appendix A). This stressed vegetation appears to be the result of lack of irrigation.

The SDG&E property is comprised of the remainder of the unmaintained citrus orchard, an electrical substation, a storage facility, and undeveloped land (Figure 3 in Appendix A). Pala Del Norte Road cuts across the SDG&E property running north-south and providing access for the Subject Property. The citrus orchard is currently in poor condition, apparently from lack of water and maintenance. Two orchard fans (turbines) were observed on the SDG&E property and appear to have been out of service for some time. They are both connected to nearby electrical service poles with transformers.

The offsite electrical substation (Pala Substation) is surrounded by a concrete wall approximately 12 feet high with sturdy wooden gates on both the east and west ends. There is a paved access road leading from Pala Del Norte Road to the Pala Substation. There is also a gravel access road that runs along the south end of the Pala Substation. The substation was locked and access was not available.

The storage facility is accessed by way of a gravel road that connects to the base of Pala Del Norte Road, opposite from the Pala Substation access road. There are five small, square structures within the storage facility perimeter, approximately 15 feet by 15 feet. The storage facility is surrounded by a chain link fence that has wooden slats attached on

the south, east, and west sides. There are two aboveground storage tanks (ASTs) located on the west end of the storage facility that appear to be utilized for water storage. One is constructed of corrugated steel and the other is black plastic. Both tanks have white PVC piping connected to them. The same type of white plastic piping is also present in the orchard and was used for irrigation, which is consistent with statements by Mr. Jeffrey Sykes, Land Management Supervisor for SDG&E, that only water was stored in the ASTs (Sykes, 2008). There is a pile of wooden boxes in the center of the buildings, a truck, at least three 55-gallon drums and a 5-gallon bucket for an unknown product also located within the storage facility. Two of the drums are sitting on gravel, one with a hand pump, the third drum is on a pallet and appears to be open. No labels were apparent on the drums. Mr. Sykes does not know the contents of the three drums (Sykes, 2008). The storage facility has a locked gate on the west side.

Located approximately 100 feet south of the western end of the storage facility were three small storage structures. The first storage structure was a metal storage container, a milvan, which was unlocked and open with nothing inside. The other two were wooden storage sheds, one of which was locked. The unlocked wooden storage shed was empty. The remnants of two vehicles were observed located approximately 100 feet south of the western end of the storage facility, adjacent to the three small storage structures. Various refuse items were scattered around the storage structures.

Refuse piles were observed on the west end of the Subject Property, located between Pala Del Norte Road and the citrus orchard. These refuse piles are comprised of mainly wood, but include other items such as car tires and paper wastes. There were also three sets of bee hives next to the waste piles. Two plastic 5-gallon buckets on a pallet were found approximately 50 feet east of the refuse piles. One was used for holding a tar type material which has dried and the other held an unknown substance.

There is a natural drainage creek located along both the eastern and western portions of the SDG&E property. The eastern drainage bisects the eastern portion of the citrus orchard and did not contain any water at the time of the site reconnaissance. The western drainage is in between Pala Del Norte Road and the western edge of the SDG&E property, no water was in the drainage at the time of the site survey.

The northern portion of the SDG&E property is comprised of steep hillside grass and scrub terrain that is currently undeveloped and showed no signs of past development.

5.2.1 Current Uses of the Property

The Subject Property is currently not used by SDG&E. The abandoned orchard has not been actively cultivated for several years.

5.2.2 Past Uses of the Property

Based on the review of aerial photographs and topographic quadrangle maps, the Subject Property was partially graded but not developed until after 1939, and has been used primarily for agriculture. The offsite substation to the southwest of Pala Del Norte Road was built by 1976 and the offsite storage area to the south of the Subject Property was built in approximately 1979.

5.2.3 Hazardous Substances and Petroleum Products in Connection with Identified Uses

The Subject Property is not listed in any hazardous material databases searches. According to Jeffery Sykes, Land Management Supervisor for SDG&E, herbicides and pesticides could potentially have been applied to the citrus trees or the ground surface, but neither has been used in at least the last six years. Mr. Sykes also stated that the previous caretaker living in the offsite storage area may have had small quantities of household chemicals but, otherwise, he is not aware of any use of hazardous substances by SDG&E or the caretaker (Sykes, 2008).

5.2.4 Storage Tanks

Evidence of storage tanks was not observed on the Subject Property.

Two ASTs were observed on the west end of the offsite storage facility and appear to be utilized for storing water (based on tank construction material, and plastic water piping connected to both tanks). Mr. Sykes reported that only water tanks have been present at the SDG&E property to the best of his knowledge (Sykes, 2008). No other ASTs were observed on the SDG&E property and no evidence of underground storage tanks (USTs) was observed.

5.2.5 Odors

No strong and/or objectionable odors were observed during the site reconnaissance.

5.2.6 Pools of Liquid

No pools of liquid were observed during the site reconnaissance.

5.2.7 Drums

No drums were observed on the Subject Property. At least three 55-gallon drums were noted in the storage facility area. Two of the drums were set on gravel and the other was situated on a pallet, no labels were visible. One drum was outfitted with a hand pump with no indication of the contents. No evidence of leaking was observed around the drums.

5.2.8 Hazardous Substance and Petroleum Products Containers

No containers of hazardous substances or petroleum products were observed on the Subject Property. The contents of the three 55-gallon drums in the offsite storage facility have not been identified. No leaks or staining were observed during the site reconnaissance.

5.2.9 Polychlorinated Biphenyls (PCBs)

No electrical equipment was observed on the Subject Property. Pole mounted transformers were observed offsite on the SDG&E property during the site reconnaissance. The age of these transformers is unknown and the presence of PCBs in connection with these pole mounted transformers is also unknown. However, soil sampling directly below the transformers and in other selected areas on the property, including two samples in the orchard on the Subject Property, did not identify detectable PCB concentrations in soil (TRC, 2008; Haley & Aldrich, 2007b; Appendices E and F). The Pala Substation had warning signs pertaining to the potential presence of PCBs. Therefore, the substation could contain one or more transformers with cooling oil containing PCBs. No known releases from the substation have been identified in this assessment.

5.2.10 Pits, Ponds, and Lagoons

No pits, ponds or lagoons were observed during the site reconnaissance.

5.2.11 Stained Soil or Pavement

No stained soil or pavement was observed during the site reconnaissance.

5.2.12 Stressed Vegetation

Some of the citrus trees, which are not currently being watered or otherwise maintained, were dead or stressed.

5.2.13 Solid Waste

Solid waste piles were observed at three locations on the SDG&E property, but not on the Subject Property. No chemical wastes or other evidence of a release of hazardous materials were observed within any of the solid waste piles.

5.2.14 Wastewater

The site does not generate wastewater.

5.2.15 Wells

No evidence of wells was observed on the Subject Property. Potable water for the residence is reportedly provided by an offsite groundwater well.

5.2.16 Septic Systems

Mr. Sykes reported the presence of a septic tank/leach field, which was utilized by the former onsite resident, but he was not sure of the exact location (Sykes, 2008). Due to the distance of the former caretaker's residence from the Subject Property and the tendency for septic tanks/leach fields to be located in the vicinity of the residences being serviced, it appears unlikely that the septic tank is located on the Subject Property (Figure 3 in Appendix A).

6.0 INTERVIEWS

6.1 Interview with Owner's Representative

Mr. Jeffery Sykes, Land Management Supervisor for SDG&E, was interviewed on June 3, 2008 by Cade Johnson of TRC and on June 5, 2008 by Jerome Jaminet of TRC (Sykes, 2008). Mr. Sykes confirmed that there had been no changes to the site since the 2007 TRC Phase I other than the former caretaker vacating the SDG&E property. In the process of vacating the site, the caretaker also removed some of the heavy equipment and waste materials observed during previous Phase I ESAs. Mr. Sykes reported that the SDG&E property had been purchased in 1970 from Robert and Gale Driscoll, who had used the SDG&E property for agricultural purposes. Mr. Sykes did not know from whom the Driscolls purchased the property or how long they had it before SDG&E purchased it. The property had 20 acres of citrus trees at one time and until recently had a caretaker onsite for approximately 10 years.

In approximately 1978, the California Institute of Technology (Cal-Tech) began using a portion of the SDG&E property to build a passive-test facility for testing solar technologies. Eight 15 x 15 foot buildings were built inside a compound for the purposes of these tests. Mr. Sykes reported that the testing was done from approximately 1979 to 1982, and the buildings were later converted into a caretaker's residence. Based on the known historical property uses, Mr. Sykes indicated pesticides, herbicides and household chemicals may have been used at the SDG&E property, but he did not have any specific information. No hazardous substances were generated on the SDG&E property to the best of his knowledge, and no environmental cleanups have ever been reported. No petroleum or hydrocarbon products were reported to have been stored on the SDG&E property.

6.2 Interviews with Government Agencies

The following agencies were contacted to obtain addition information concerning the Subject Property:

- ***Fire Authority*** – The Pala Fire Department does not have any records or permits for the SDG&E property.

- ***Regional Water Quality Control Board (RWQCB)*** – The RWQCB was contacted on June 4, 2008. Ms. Carol Tamaki, Staff Engineer in the Land Discharge Unit, stated that the agency was not aware of any water quality issues in the vicinity of the Subject Property. The closest possible site of concern identified by Ms.

Tamaki was the Pete Verboom Dairy, which once occupied 9639 Pala Road approximately one mile away. The dairy was closed in 2001 (Tamaki, 2008).

- ***San Diego Air Pollution Control District (SDAPCD)*** –TRC contacted the SDAPCD on June 4, 2008 and talked with Mr. Bill Brick, Senior Meteorologist. Mr. Brick stated that the only air quality concern within the vicinity of the Subject Property is the Gregory Canyon Landfill located at 9708 Pala Road, approximately one mile away (Brick, 2008).

- ***County of San Diego*** – TRC contacted the County regarding the Subject Property. No known open permits or files exist on the Subject Property.

- ***Department of Toxic Substances Control (DTSC)*** – TRC contacted the DTSC regarding the Subject Property. As of June 4, 2008, DTSC has yet to reply with any information regarding the potential for toxic substance spills or storage in the vicinity of the Subject Property. However, a previous Phase I ESA was able to communicate with the DTSC, which only identified potential lead paint and asbestos issues at the SDG&E substation. No issues were identified for the Subject Property (Haley & Aldrich, 2007a; Appendix D).

6.3 Interview with Owner

As stated in Section 6.1, Mr. Jeffery Sykes, Land Management Supervisor for SDG&E, was interviewed on June 3, 2008 by Cade Johnson of TRC and on June 5, 2008 by Jerome Jaminet of TRC. Mr. Sykes answered questions about current and historical practices at the site, questions about waste management and provided general information regarding the Subject Property (Sykes, 2008).

6.4 Other Interviews /Information Sources

No other interviews were conducted or sources of information were utilized.

7.0 FINDINGS AND OPINIONS

The Subject Property is approximately 8.5 acres out of the total of approximately 54 acres that SDG&E owns and manages. This larger SDG&E property, which includes the Subject Property, has been owned by SDG&E since 1970. Historical land use of the Subject Property appears to be limited to a citrus orchard. Active management of the orchard appears to have ended over six years ago and some of the trees are dead or stressed, apparently from lack of water and care. SDG&E does not appear to perform any active work on the Subject Property. Soil sampling has been performed on the Subject Property and, based on the results, historical pesticide and herbicide use does not appear to be a Recognized Environmental Condition as defined by ASTM Practice E 1527-05.

SDG&E does utilize other portions of the SDG&E property that are not part of the Subject Property. An active electrical substation is located on the south side of the SDG&E property. There is an old storage facility to the south of the Subject Property. No evidence of releases on this larger SDG&E property has been identified during this investigation.

No other offsite properties of concern have been identified in the vicinity of the Subject Property.

8.0 CONCLUSIONS

TRC has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 at the Subject Property, which is currently owned by SDG&E and is a part of APN 110-072-26 in unincorporated San Diego County, California (Subject Property). Any exceptions to, or deletions from, this practice are described in Section 1.3 of this report. Various limitations on the assessment conducted by TRC are described in Sections 1.3 and 5.1. This assessment has revealed no evidence of Recognized Environmental Conditions in connection with the property.

9.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312.10 of 40 Code of Federal Regulations 312.

I have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property* (Appendix H). I, and staff working under my supervision, have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in the ASTM Practice E 1527-05 Standard.

6/6/08

Date June 6, 2008

Jerome Jaminet, Senior Project Manager, REA 07167
TRC

10.0 REFERENCES

Brick, Bill, 2008, Senior Meteorologist, San Diego County Air Pollution Control District, Phone interview by Cade Johnson, TRC, regarding potential facilities with large air emissions in vicinity of Subject Property, (858) 694-3496, June 4, 2008.

Haley & Aldrich, Inc., 2007a, Report on ASTM Phase I Environmental Site Assessment, San Diego Gas & Electric Pala Substation, Pala Road, Pala, California, May 31, 2007.

Haley & Aldrich, Inc., 2007b, Subsurface Soil and Groundwater Investigation, San Diego Gas & Electric Pala Substation, Pala Road, Pala, California, May 31, 2007.

Sykes, Jeffrey, 2008, Land Management Supervisor, SDG&E, Phone interview by Cade Johnson, TRC, on June 3, 2008 and by Jerome Jaminet, TRC, on June 5, 2008, regarding current and historical practices at the site, waste management, and general information.

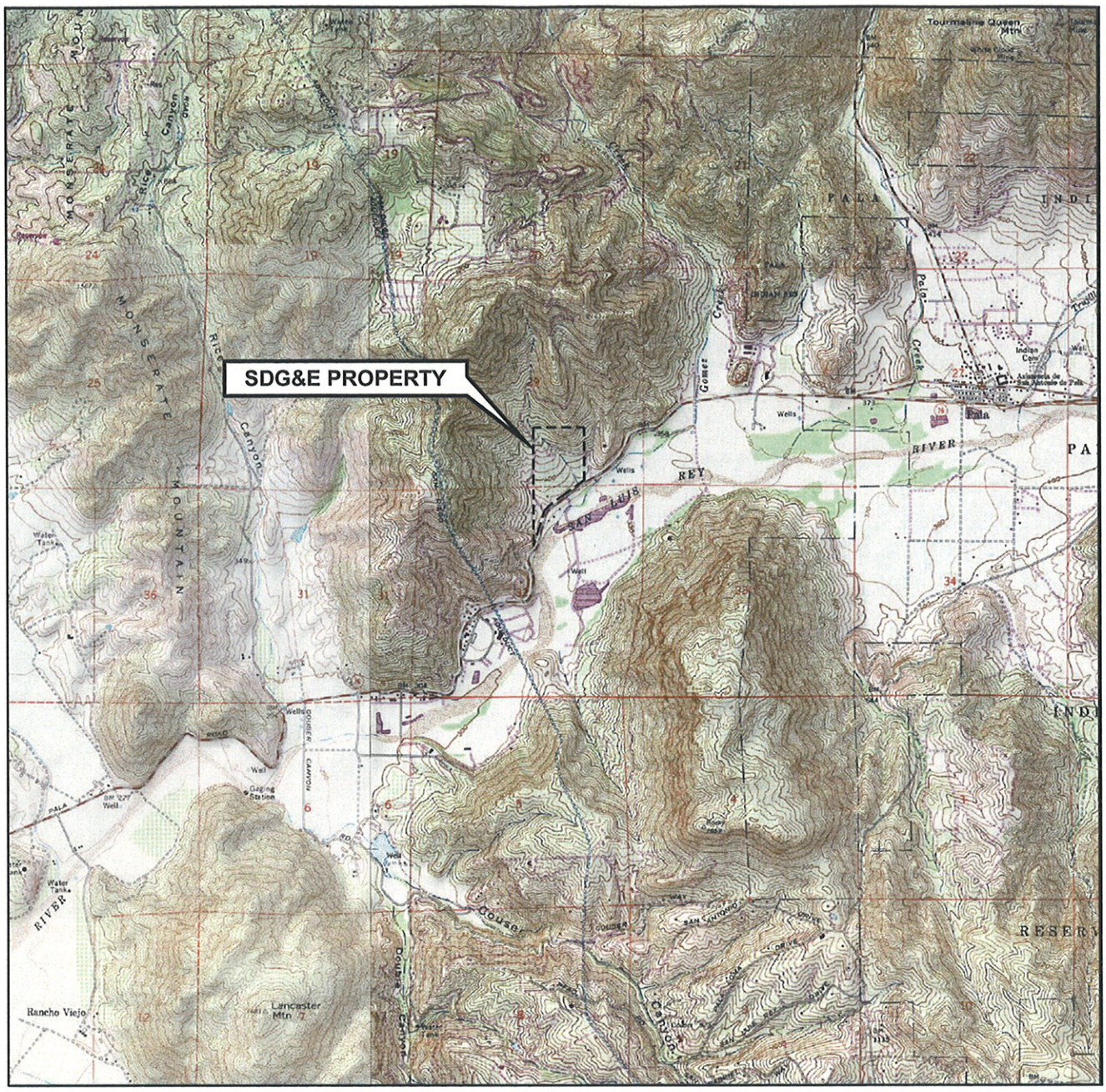
Tamaki, Carol, 2008, Staff Engineer, RWQCB, Phone interview by Cade Johnson, TRC, regarding potential water quality issues or releases in vicinity of Subject Property, (858) 467-2952, June 4, 2008.

TRC, 2007, Phase I Environmental Site Assessment, Orange Grove Project Site, San Diego County, California, April 30, 2007.

TRC, 2008, Supplemental Phase II Site Assessment Report, Pala Substation, 10300 Block of Pala Road, Pala, California, February 5, 2008.

APPENDIX A

FIGURES



0 1/2 1 1 1/2 2 MILES

SCALE 1:48,000

N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map, 2000:
Pala, Bonsall, Temecula,
and Pechanga Quadrangles

TRC

PROJECT: 125158

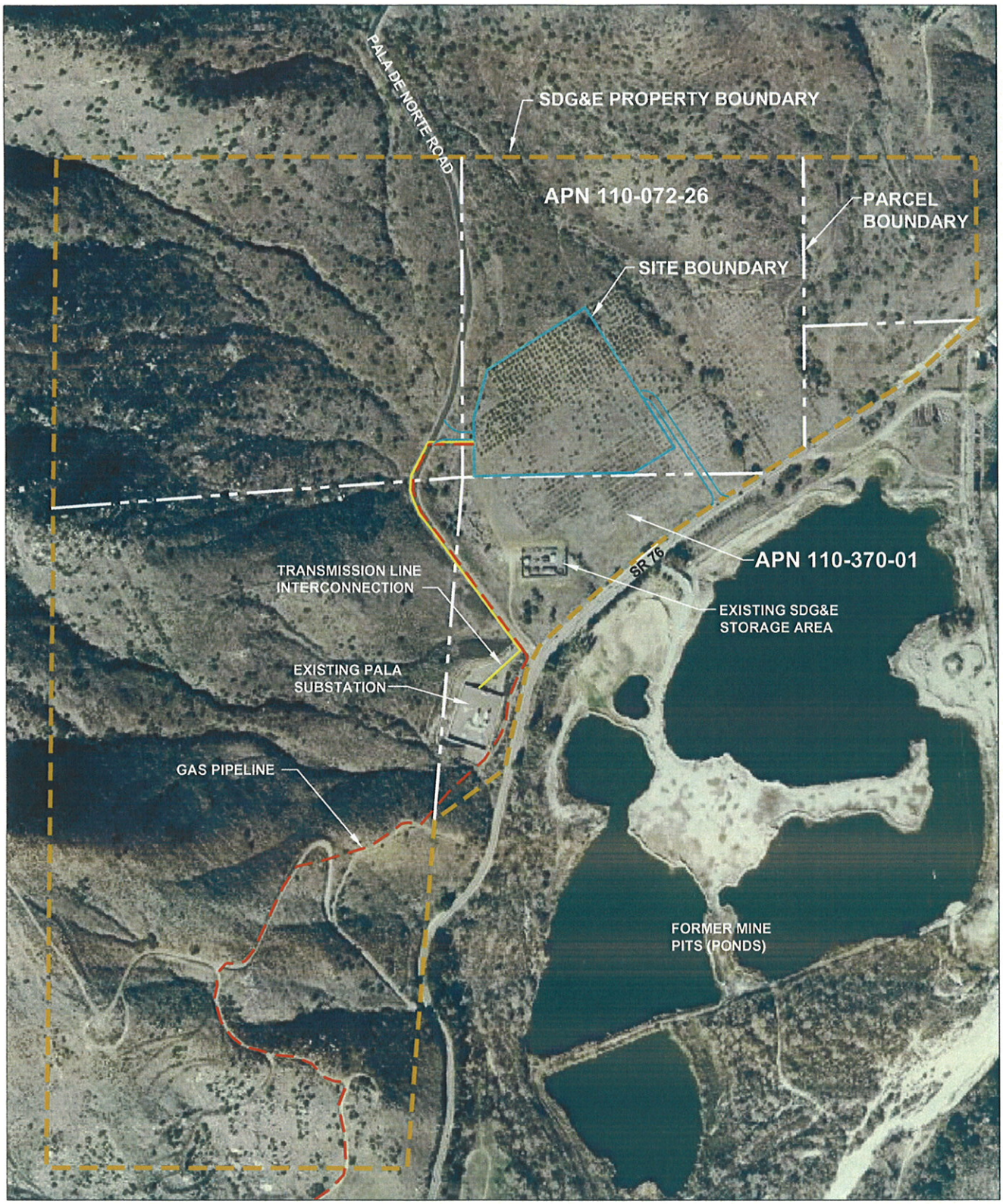
FACILITY

ORANGE GROVE PROJECT
SAN DIEGO COUNTY, CALIFORNIA

VICINITY MAP

FIGURE 1

PS=1:1 L:\Graphics\ProjectsByNumber\29-xxxx\29-0319\PHASE 1 RPT\290319 VM.dwg Jun 06, 2008 - 2:53pm kdrilling



SOURCE:

Virtual Earth, 2006.

APPROXIMATE SCALE (FEET)

0 600 1200

TRC

PROJECT: 125158

FACILITY:

ORANGE GROVE PROJECT
SAN DIEGO COUNTY, CALIFORNIA

SITE AND PROPERTY BOUNDARY

FIGURE 2

PS=1:1 L:\Graphics\ProjectsByNumber\29-xxxx\29-0319\AFC (125158)\AFC-SITE AERIAL.dwg Jun 06, 2008 - 2:13pm kdrilling

LEGEND

1 Haley and Aldrich Soil Sample Location

TRC-1 TRC Soil Sample Location

SOURCE:

Google Earth Professional, 2005.

APPROXIMATE SCALE (FEET)

0 300 600

TRC	PROJECT: 125158	SDG&E PROPERTY LAYOUT
	FACILITY: ORANGE GROVE PROJECT SAN DIEGO COUNTY, CALIFORNIA	FIGURE 3

PS=1:1 L:\Graphics\ProjectsByNumber\29-xxxx\29-0319\PHASE 1 RPT\290319 PROPERTY.dwg Jun 06, 2008 - 2:52pm kdrilling

APPENDIX B

2007 TRC PHASE I ESA

TRC

Phase I
Environmental Site Assessment
Orange Grove Project Site
San Diego County, California

Prepared for

J Power USA Development Company, LTD
Schaumburg, Illinois

Prepared by

TRC
Irvine, California

Project No. 29031902
April 30, 2007

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EXECUTIVE SUMMARY

TRC Solutions, Inc. (TRC) was retained by J Power USA Development Company, LTD (J Power) to conduct a Phase I Environmental Site Assessment (ESA) at the property owned and occupied by San Diego Gas and Electric (SDG&E), 10300 block of Pala Road (SR-76), Assessor's Parcel Numbers (APN's) 110-072-26 and 110-370-01, unincorporated San Diego County, California (Subject Property). A historical investigation and site inspection of the Subject Property were performed by TRC in accordance with the requirement of American Society for Testing and Materials (ASTM) E 1527-05 Standard Practice for Phase I ESAs.

The property is approximately 54 acres and has been owned by SDG&E since 1970. Currently, approximately 1% of the property is occupied with buildings (including storage sheds) and 3% of the Subject Property is covered by impervious cover. Approximately 7% of the property is developed land that contains pervious cover, such as gravel. Approximately 40% has been developed with agriculture, specifically citrus trees. The remaining 50% of the Subject Property is currently undeveloped. A portion of the property (approximately 5%) is currently being used by SDG&E as a substation, and a smaller portion (also approximately 5%) is being used as a residence for the site's caretaker. See site photos in Appendix C for details.

There are two pole mounted transformers located within the citrus grove portion of the Subject Property. According to Jeffery Sykes, SDG&E Land Management Supervisor, no hazardous chemicals are stored or used onsite, and to his knowledge, no hazardous chemicals have ever been generated or stored onsite. The citrus orchard is not currently being maintained, and Mr. Sykes reported that although herbicides/pesticides could have been used on the trees and/or grounds at one time, nothing had been applied in at least the last 5 years.

TRC's Phase I ESA performed in conformance with the scope and limitations of ASTM Practice E 1527-05 revealed no evidence of Recognized Environmental Conditions in connection with the property except, based on the presence of the two pole mounted transformers located onsite and past potential herbicide/pesticide use in the citrus orchard, limited soil sampling is recommended. Limited soil sampling is also recommended in the residence/storage areas and storage sheds for the presence of petroleum and hydrocarbon-containing compounds.

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1.0 INTRODUCTION

1.1 Statement of Purpose

TRC Solutions, Inc. (TRC) was retained by J Power USA Development Company, Ltd. (J Power) to conduct a Phase I Environmental Site Assessment (ESA) at the property occupied by San Diego Gas and Electric (SDG&E), 10300 block of Pala Road (SR-76), APNs 110-072-26 & 110-370-01, unincorporated San Diego County, California (Subject Property). This Phase I ESA has been prepared by TRC in accordance with American Society for Testing and Materials (ASTM) E 1527-05 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* and is intended for the sole use of J Power. The purpose of this assessment is to identify *Recognized Environmental Conditions (RECs)* as defined in the ASTM E 1527-05 standard, in connection with the property.

1.2 Scope of Investigation/Services

This Phase I ESA consisted of the following tasks:

- Site reconnaissance.
- Description of historical site conditions.
- Interview with Jeffery Sykes, SDG&E Land Management Supervisor.
- Review of environmental database and regulatory agency records.
- Preparation of a report summarizing findings, opinions and conclusions.

1.3 Limitations and Exceptions

Below are listed limitations and exceptions with this Phase I ESA.

1.3.1 Accuracy and Completeness

TRC makes no guarantees as to the accuracy or completeness of information obtained from others. It is possible that information exists beyond the scope of this investigation or that was not provided to TRC. Additional data subsequently provided, discovered, or produced may alter findings or conclusions made in this Phase I ESA report. TRC is under no obligation to update this report to reflect such subsequent information. The findings presented in this report are based upon the information reasonably available and

observed site conditions at the time of this assessment. Conditions may have changed since that time and the findings and conclusions of this report are not meant to be indicative of future conditions at the Subject Property. This report may not be relied on by any party other than the client with whom TRC has contracted to prepare this report.

1.3.2 Warranties and Representations

This report does not warrant against: (1) operations or conditions that were not in evidence from visual observations or historical information obtained; (2) conditions that could only be determined by physical sampling or other intrusive investigation techniques; or (3) locations other than the client-provided addresses and/or legal parcel description or information on off-site locations (with possible impact on the Subject Property) not published in available records.

1.3.3 Continued Validity/User Reliance

This report is presumed to be valid for a period of 180 days from its completion, until J Power obtains specific information that may materially alter a Finding, Conclusion or Opinion in this report, or until J Power is notified by TRC that it has obtained specific information that materially alters a Finding, Conclusion or Opinion in this report.

1.3.4 Exceptions to the ASTM E 1527-05 Practice

Limited conditions included the inability to access SDG&E's current substation located to the southwest of Pala Del Norte Road, a storage area (former Cal Tech facility and current caretaker's residence) located just northeast of the intersection of Pala Del Norte Road and Highway 76, two locked storage structures located approximately 75 feet south of the storage area, and approximately 20 acres of the northern portion of the Subject Property situated on steep, undeveloped, rocky terrain. The identified limited conditions did not significantly affect TRC's ability to identify current or historic recognized environmental conditions at the Subject Property.

1.3.5 Significant Assumptions

TRC assumed that all information pertaining to the Subject Property provided in interviews with the current owner's representative and in historical information obtained from standard sources was as accurate and complete as possible.

2.0 SITE DESCRIPTION

Below are listed site descriptions by category.

2.1 Site Location and Legal Description

The Subject Property is identified by APNs 110-072-26 and 110-370-01 and is located on the 10300 block of Pala Road (SR-76), unincorporated San Diego County, California. Figure 1 shows the general vicinity of the Subject Property.

2.2 Site and Vicinity General Characteristics

Entrance to the Subject Property is provided by Pala Del Norte Road, which intersects with SR-76 approximately 3 miles northeast of I-15 and continues on northeast of the Subject Property. The Subject Property is approximately 54 acres in size. The Subject Property occurs on an alluvial fan surface that slopes southward at an average grade of approximately 10 percent. The Subject Property layout is presented as Figure 2 in Appendix A. The San Luis Rey River runs roughly parallel to SR-76 approximately 0.25 mile south of the Subject Property.

2.3 Current Uses of Property – Description of Structures, Roads, and Other Improvements

Pala Del Norte Road bisects the southern portion of the Subject Property, with the current substation located southwest while the current storage/site caretaker housing facility and citrus orchard are located to the northeast. The current SDG&E substation located on the south end of the Subject Property was originally constructed in approximately 2003 and has been in operation since that date. The current substation facility is surrounded by 12-foot concrete walls and is flanked by a small, paved parking pad and access driveway leading off of Pala Del Norte Road. The current storage/site caretaker residence was originally built in 1979 by California Institute of Technology (Cal-Tech) to test passive solar technologies. The storage area contains five small structures, approximately 15 feet by 15 feet, and is surrounded by wood thatched chain link fences on three sides. An unpaved access driveway and parking area is located just southwest of the storage facility and connects to Pala Del Norte Road opposite the access driveway for the current substation. The citrus groves are located in the middle of the Subject Property and do not appear to be maintained. There are two orchard fans in poor condition located in the citrus grove. These orchard fans appear to have been utilized to prevent the citrus trees from freezing during cold weather. Plastic irrigation pipes are visible running through the

orchard, as well as water/hose connections, however, the pipes and connections do not appear to be in use. The northern and western portions of the Subject Property are currently undeveloped.

2.4 Current Uses of Adjoining Properties

There are three private residences located northeast of the Subject Property while the areas north and west of the subject property are currently undeveloped. An inactive aggregate quarry is located on the south of the Subject Property, between SR-76 and the San Luis Rey River. An ornamental nursery is located approximately 0.50 mile southeast of the Subject Property.

3.0 USER PROVIDED INFORMATION

3.1 Title Records

The Title Report was reviewed and the parcels that comprise the Subject Property are currently vested in the United States of America and San Diego Gas and Electric Company. A copy of the Title Report is included in Appendix D.

3.2 Environmental Liens or Activity and Use Limitations

TRC retained Environmental Data Resources (EDR) to conduct a search for environmental liens imposed on the Subject Property. No environmental liens were in existence (Appendix B).

3.3 Valuation Reduction for Environmental Issues

Not applicable.

3.4 Owner, Property Manager, and Occupant Information

The entire Subject Property is owned and operated by SDG&E. SDG&E has owned the property since 1970. A site caretaker currently looks after a portion of the Subject Property for SDG&E and the Pala Substation is maintained by SDG&E personnel.

4.0 RECORDS REVIEW

The following sections summarize information obtained through a review of available historical and environmental records.

4.1 Mandatory Standard Physical Setting Source

To determine the topographic characteristics of the site and vicinity, TRC reviewed the United States Geological Survey (USGS) 7.5 Minute Topographic Map for the "Pala, CA" Quadrangle dated 1988 and utilized Google Earth Pro (2007) virtual globe. The Subject Property is positioned on the toe of a small, gently sloping, southeast trending alluvial fan, which is located along the northwestern edge of the San Luis Rey River alluvial channel. The San Luis Rey River channel runs southwest though the rugged Palomar Mountain complex of the Peninsular ranges. The Subject Property is located at an average elevation of approximately 380 feet above mean sea level (msl). Approximately 0.9 mile to the north an unnamed peak sits at approximately 1,460 feet, and approximately 1.2 miles to the southeast an unnamed granitic peak reaches over 1,840 feet.

Figure 1 in Appendix A includes the 2000 USGS "Pala, Bonsall, Temecula, and Pechanga, CA" Quadrangles.

4.2 Discretionary and Non-Standard Physical Setting Sources

Discretionary and non-standard physical setting sources reviewed included only the Google Earth Pro (2007) virtual globe.

4.3 Standard Environmental Record Sources

A computerized radius search of State and Federal environmental record databases was performed to investigate sites with known adverse environmental conditions that have the potential to impact the site and surrounding vicinity. The search was performed pursuant to ASTM Standard E1527-05 using an electronic database search by EDR. A copy of the results of the database search, entitled The EDR Radius Map with GeoCheck® Report, is contained in Appendix B.

4.3.1 Subject Property

The Subject Property was not identified in the database report as a listed site. TRC also evaluated properties within the vicinity of the site to determine if those sites were likely to have a potential environmental impact on the Subject Property.

4.3.2 Adjacent Properties

No properties within the ASTM-standard search distances were identified in the database report as listed sites.

4.3.3 Orphan Sites

TRC identified 19 Orphan Sites that could potentially be located near the Subject Property, however, there was not adequate information to map the Orphan Sites. As a result, the potential impact, if any, by these sites cannot be assessed.

4.4 Topographic Map Review

Six USGS topographic maps showing the project vicinity were obtained and reviewed for information concerning historical activity on or adjacent to the Subject Property:

- 1904 60 Minute Topographic Quadrangle
- 1947 15 Minute Topographic Quadrangle
- 1950 7.5 Minute Topographic Quadrangle
- 1968 7.5 Minute Topographic Quadrangle
- 1982 7.5 Minute Topographic Quadrangle (photorevised from 1968)
- 1988 7.5 Minute Topographic Quadrangle (photorevised from 1968)

The 1904 map shows the majority of northwestern San Diego County. The Subject Property is not visible as the map scale is 1:250,000. The region is predominantly undeveloped and the nearest development visible is the town of Fallbrook, approximately 8 miles west of the Subject Property. The Pala Indian Reservation is visible just east of the Subject property.

The 1947 topographic maps shows SR-76 in its present day location. Several roads intersect with SR-76 east and west of the Subject Property. Pala exhibits some

development as several buildings are now visible 2 miles west of the Subject Property. The Subject Property remains undeveloped.

The 1950 topographic map shows little change from the previous map. A few small buildings are now visible along SR-76 within the vicinity of the Subject Property. Pala has increased in size and The San Diego Aqueduct is now visible running north-south, approximately 0.50 mile west of the Subject Property. The Subject Property remains undeveloped.

The 1968 topographic map shows the Subject Property has been developed into an orchard. A cluster of small buildings is now visible approximately 0.8 mile southeast of the Subject Property along SR-76.

The 1982 topographic map shows a small building on the Subject Property. Pala Del Norte Road is now visible bisecting the Subject Property immediately west of the orchard and heading north to the summit of the 1,460 foot unnamed peak. A rock quarry, with new access roads, is visible just south across SR-76. Several other quarries are located along the San Luis Rey River alluvial channel. A cluster of small buildings is positioned approximately 0.8 mile southeast of the Subject Property along SR-76. A new road, running north from SR-76, and several small buildings are now located at the head of Gomez Creek canyon.

The 1988 topographic map shows no change to the Subject Property, and very little change to the immediate vicinity. The quarry, just south across the SR-76, has greatly increased in size.

4.5 Aerial Photograph Review

TRC reviewed aerial photographs (see Appendix B) of the Subject Property and vicinity from 1939, 1946, 1953, 1963, 1976, 1989, 1995, and 2002.

- The 1939 aerial photograph shows the Subject Property as vacant with no structures. Highway 76 appears running east-west of the Subject Property. The surrounding properties also appear to be vacant.

- The 1946 aerial photograph shows some agriculture (orchard) development on the Subject Property, and a few buildings to the east along Highway 76. Otherwise, the surrounding properties appear to be vacant.

- The 1953 aerial photograph does not show significant changes from the previous photograph.

- The 1963 aerial photograph shows a small building just southwest of the Subject Property, south of Highway 76. Otherwise no significant changes are apparent from the previous photograph.

- The 1976 aerial photograph shows more development (roads, ponds) at the site of the quarry located south of the Subject Property. A small structure, and an access road leading to it, are shown on the southwest portion of the Subject Property.

- The 1989 photograph shows Pala Del Norte Road running north-south, bisecting the Subject Property. Otherwise, there is no significant change from the previous photograph.

- The 1995 photograph shows a substation in existence to the east of Pala Del Norte Road. Some of the ponds at the quarry to the south of the Subject Property appear to be filled in.

- The 2002 photograph shows little change from the previous photograph. The substation to the southwest of Pala Del Norte road appears to have increased in size. The quarry to the south of the Subject Property shows development of ponds onsite again. The nursery appears to the east of the Subject Property. The general area remains undeveloped.

4.6 Sanborn Fire Insurance Map Review

Sanborn Fire Insurance Maps for the Subject Property did not exist (Appendix B).

4.7 City Directories

A city directory search was reviewed by TRC (Appendix B). The Subject Property was not listed in the city directories.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

The site was inspected visually on April 6, 2007, between approximately 9:30 AM and 12:00 PM PDT by Joshua Taylor of TRC. Weather conditions for the inspection were overcast and cool. Photographs taken during the site visit are contained in Appendix C.

Limiting conditions included the inability to physically inspect the current substation, storage facilities, two small storage structures, and the steep undeveloped terrain located on the north end of the Subject Property.

5.2 Observations

The Subject Property is comprised of an unmaintained citrus orchard, an electrical substation, a storage facility/site caretaker residence, and undeveloped land. Pala Del Norte Road cuts across the Subject Property running north-south and providing access for the Subject Property. The citrus orchard is currently in a very degraded condition, the individual trees appearing black and withered. There are two orchard fans in poor condition located within the citrus orchard, one located on the far eastern portion of the orchard and the second located on the western portion of the orchard. Each fan was located adjacent to electrical transmission lines that were utilized to power the fans. The western fan was still physically connected to the transmission line while the eastern fan was not. Both transmission poles had control boxes/meter housings located approximately 2 feet off of the ground.

The electrical substation (Pala Substation) is surrounded by concrete walls approximately 12 feet high with sturdy wooden gates on both the east and west ends. There is a paved access road leading from Pala Del Norte Road to the Pala Substation. There is also a gravel access road that runs along the south end of the Pala Substation. The substation was locked and access was not available.

The storage facility/caretaker residence is accessed by way of a gravel road that connects to the base of Pala Del Norte Road, opposite from the Pala Substation access road. There are five small, square structures within the storage facility perimeter, approximately 15 feet by 15 feet. The storage facility is surrounded by a chain link fence that has wooden board attached on the south, east, and west sides. There are two aboveground storage tanks (ASTs) located on the west end of the storage facility that appear to be utilized for

water storage. One is constructed of corrugated steel and the other is black plastic. Both tanks have white plastic piping connected to them. The same type of white plastic piping is also present in the orchard and was used for irrigation. There are materials storage piles, refuse piles, old cars and farm equipment, and at least six rusting 55-gallon drums also located within the storage facility. The drums appeared to be on pallets but labels were not seen. The storage facility has a locked gate on the west side and two dogs were present within the storage facility at the time of the site reconnaissance. The storage facility was locked and access was not available.

Located approximately 75 feet south of the western end of the storage facility were three small storage structures. The first storage structure was a metal storage container that was locked. The other two were wooden storage sheds, one of which was locked. The unlocked wooden storage shed was empty. The remnants of two vehicles were observed located approximately 75 feet south of the western end of the storage facility, adjacent to the three small storage structures. Various refuse items, including a paint can and wood planks, were scattered around the storage structures.

Refuse piles were observed on the west end of the Subject Property, located between Pala Del Norte Road and the citrus orchard. These refuse piles are comprised of mainly wood, but include other items such as car tires and paper wastes.

There is a natural drainage creek located on the eastern portion of the Subject Property. The drainage bisects the eastern portion of the citrus orchard and did not contain any water at the time of the site reconnaissance.

The northern portion of the Subject Property is comprised of steep hillside grass and scrub terrain that is currently undeveloped and showed no signs of past development.

5.2.1 Current Uses of the Property

The Subject Property is currently used for the operation of the Pala Substation and for limited materials and equipment storage, as well as a residence for the site's caretaker. No hazardous materials or wastes are produced onsite.

5.2.2 Past Uses of the Property

Based on the review of aerial photographs and topographic quadrangle maps, the Subject Property was not developed until after 1939, and has been used primarily for agriculture. The substation to the southwest of Pala Del Norte Road was built by 1976 and the residence to the east of Pala Del Norte Road was built by 1995.

5.2.3 Hazardous Substances and Petroleum Products in Connection with Identified Uses

The Subject Property is not listed in any hazardous material databases searched. According to Jeffery Sykes, Land Management Supervisor for SDG&E, herbicides and pesticides could potentially have been applied to the citrus trees or the ground surface, however, nothing had been used in at least the last 5 years. Mr. Sykes also said that the caretaker could possibly use small quantities of household chemicals, but otherwise, no hazardous substances were ever used.

5.2.4 Storage Tanks

Two ASTs were observed on the west end of the storage facility and appear to be utilized for storing water (based on tank construction material, and plastic water piping connected to both tanks). Mr. Sykes reported that only water tanks were ever present at the site. No other ASTs were observed onsite and no evidence of underground storage tanks (USTs) was observed.

5.2.5 Odors

No strong and/or objectionable odors were observed during the site reconnaissance.

5.2.6 Pools of Liquid

No pools of liquid were observed during the site reconnaissance.

5.2.7 Drums

At least six rusting 55-gallon drums were noted in the storage facility area. The drums appeared to be on pallets but no labels were visible. No evidence of leaking was observed around the drums.

5.2.15 Wells

No monitoring wells were observed during the site reconnaissance. Potable water is provided by a groundwater well.

5.2.16 Septic Systems

Mr. Sykes reported a septic system/leach field is utilized by the caretaker. He was not sure of the exact location.

5.2.17 Asbestos Containing Materials

The structures located in the storage/site caretaker housing facility were built after the ban of Asbestos Containing Materials (ACM). The substation has warning signs regarding the potential presence of ACM.

5.2.8 Hazardous Substance and Petroleum Products Containers

No containers of hazardous substances or petroleum products were observed.

5.2.9 Polychlorinated Biphenyls (PCBs)

Pole mounted transformers were observed onsite during the site reconnaissance on the two transmission line poles located adjacent to the orchard fans. The age of these transformers is unknown and the presence of PCBs in connection with these pole mounted transformers is also unknown. The Pala Substation had warning signs pertaining to PCBs and the substation was not physically inspected. Therefore, the substation could contain one or more transformers. Furthermore, the old substation could also have contained one or more transformers as well.

5.2.10 Pits, Ponds, and Lagoons

No pits, ponds or lagoons were observed during the site reconnaissance.

5.2.11 Stained Soil or Pavement

No stained soil or pavement was observed during the site reconnaissance.

5.2.12 Stressed Vegetation

No stressed vegetation was observed during the inspection other than the citrus orchards, which are not currently being maintained.

5.2.13 Solid Waste

Solid waste piles were observed onsite in three locations, as discussed in Section 5.2. However, no chemical wastes were observed within any of the solid waste piles observed onsite.

5.2.14 Wastewater

The site does not generate wastewater other than from the caretaker's residence. Mr. Sykes reported a septic system/leach field is present on the property but he was not sure of the exact location. Also, a stormdrain and manhole are located on the east side of the substation. The area around them appeared to be in good condition and did not show signs of staining.

6.0 INTERVIEWS

6.1 Interview with Owner's Representative

Mr. Jeffery Sykes, Land Management Supervisor for SDG&E, was interviewed on April 13, 2007 by Rachel Schmidt of TRC. Mr. Sykes answered questions about current and historical practices at the site, questions about waste management and provided general information regarding the Subject Property. He reported that the Subject Property had been purchased in 1970 from Robert and Gale Driscoll, who had used the property for agricultural purposes. Mr. Sykes did not know from whom the Driscolls purchased the property or how long they had it before SDG&E purchased it. The property had 20 acres of citrus trees at one time and has had a caretaker onsite for the last 10 years. In approximately 1978, Cal-Tech proposed to use a portion of the property to build a passive-test facility for testing solar technologies. Eight 16 x 16 foot buildings were built inside a compound for the purposes of these tests. Mr. Sykes reported that the testing was done from approximately 1979 to 1982, and the buildings were later converted into the caretaker's residence. Mr. Sykes reported that there have not been any spills or releases at the Subject Property. Otherwise, the potential use and storage of pesticides, herbicides, and household chemicals may have occurred. No hazardous substances were ever generated on the Subject Property, and no environmental cleanups have ever been reported. No petroleum or hydrocarbon products were reported to have been stored on the Subject Property.

6.2 Interviews with Government Agencies

Records concerning the Subject Property were requested from the following agencies:

- ***Fire Authority*** – TRC filed a Freedom of Information Law (FOIL) request regarding the Subject Property and has not yet received a response. An addendum to this report will be prepared if pertinent information regarding environmental issues is provided.

- ***Regional Water Quality Control Board (RWQCB)*** – TRC contacted the RWQCB regarding the Subject Property, however, they said they could not perform a file search without a street address.

- ***San Diego Air Pollution Control District (SDAPCD)*** – TRC contacted the SDAPCD regarding the Subject Property, however, they said they could not perform a file search without a street address.

- ***County of San Diego*** – TRC contacted the County regarding the Subject Property and was informed that there were two electrical permits at one time tied to the Subject Property. TRC asked for copies of those permits and was informed that the County did not have them, they only had a record that they existed.

- ***Department of Toxic Substances Control (DTSC)*** – TRC contacted the DTSC regarding the Subject Property. After a review of their files they were unable to find records pertaining to the Subject Property.

6.3 Interview with Owner

As stated in Section 6.1, Mr. Jeffery Sykes, Land Management Supervisor for SDG&E, was interviewed on April 13, 2007 by Rachel Schmidt of TRC. Mr. Sykes answered questions about current and historical practices at the site, questions about waste management and provided general information regarding the Subject Property.

6.4 Other Interviews /Information Sources

No other interviews were conducted. However, an EDR database search report was ordered for the facility as discussed earlier, and other historical information such as topographic maps and aerial photographs were ordered and reviewed.

7.0 FINDINGS AND OPINIONS

The Subject Property is owned and occupied by SDG&E and is used for the operations of the Pala Substation, for the storage of equipment and materials and for the housing of a site caretaker. According to Mr. Jeffery Sykes, SDG&E Land Management Supervisor, no hazardous chemicals are stored or used onsite, and to his knowledge, no hazardous chemicals have ever been stored or generated onsite. The citrus orchard is not currently being maintained, and Mr. Sykes reported that although herbicides/pesticides could have been used on the orchard at one time, nothing had been applied in at least the last 5 years.

There are no nearby properties with reported violations and incidents that would impact the Subject Property. No RECs are expected as a result of impacts from nearby properties.

8.0 CONCLUSIONS

TRC has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-05 at the property occupied by SDG&E located in the 10300 block of Pala Road, SR-76, APN's 110-370-01 and 110-072-26, unincorporated San Diego County, California (Subject Property). Any exceptions to, or deletions from, this practice are described in Section 1.3 of this report. This assessment has revealed no evidence of Recognized Environmental Conditions in connection with the property except, based on the presence of the two pole mounted transformers located onsite and past potential herbicide/pesticide use on the citrus orchard, limited soil sampling is recommended. Limited soil sampling is also recommended in the storage areas and storage sheds for the presence of petroleum and hydrocarbon compounds.

9.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

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

I have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

April 30, 2007

Date April 30, 2007

Jim Ferrara, P.G., Senior Project Manager
TRC

PROFESSIONAL GEOLOGIST
JAMES FERRARA
P.G.#8260
EXP. 7/31/07
STATE OF CALIFORNIA

10.0 REFERENCES

Environmental Data Resources, Inc. 2007. Radius Map with GeoCheck. Inquiry Number: 1890880.2s, March 29.

Environmental Data Resources, Inc. 2007. Aerial Photograph Print Service, photographs taken in 1939, 1946, 1953, 1963, 1976, 1989, 1995 and 2002. Inquiry Number: 1890880.5, April 2.

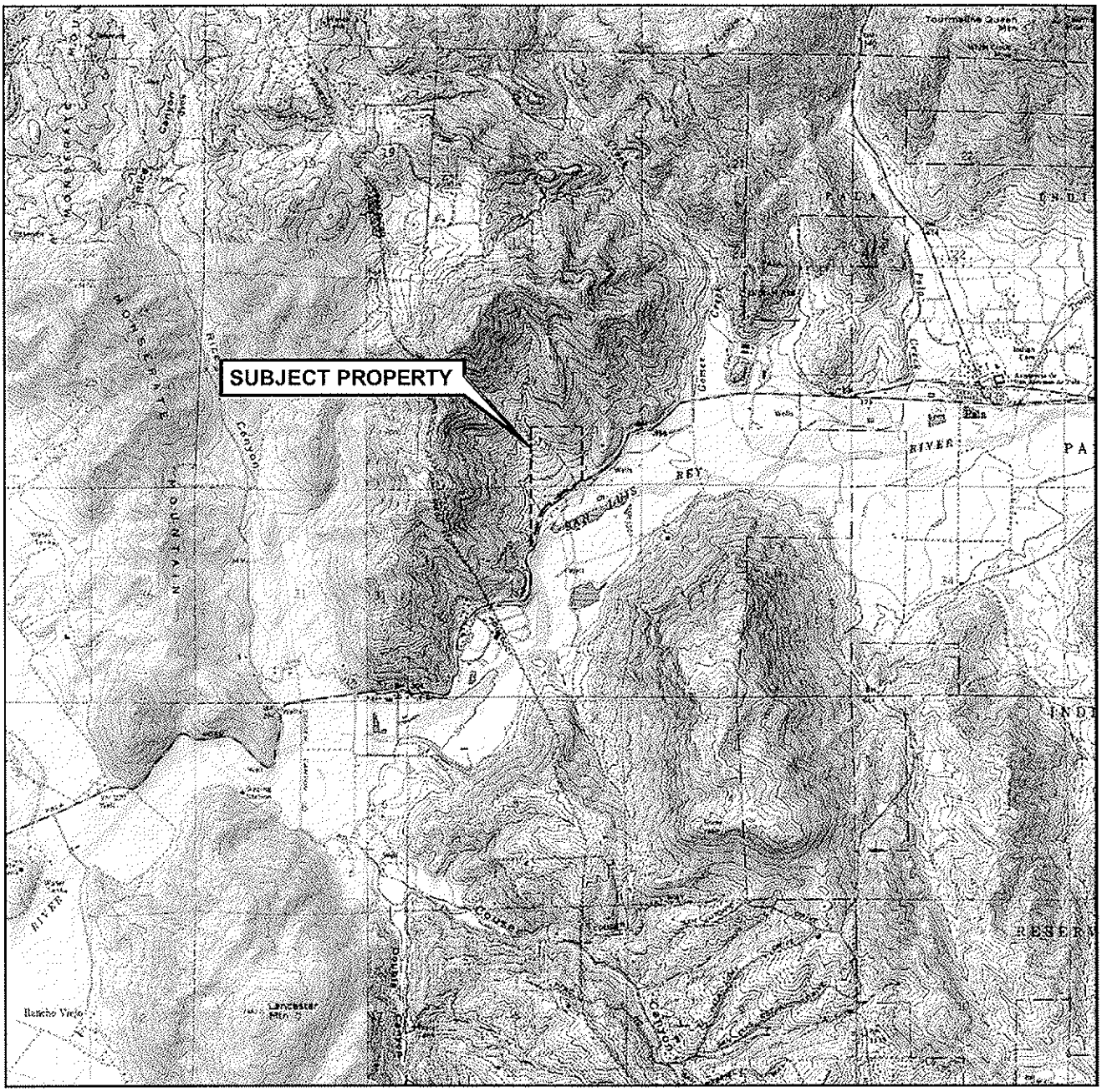
Environmental Data Resources, Inc. 2007. Sanborn Fire Insurance Map Search. Inquiry Number: 1890880.3, March 29.

Environmental Data Resources, Inc. 2007. Historic Topographic Map Report, maps prepared in 1904, 1947, 1950, 1968, Photorevised 1982, Photorevised 1988. Inquiry Number: 1890880.4. March 30.

Environmental Data Resources, Inc. 2007. City Directory Abstract. Inquiry Number: 1890880.6. April 2.

APPENDIX A

FIGURES



N

0 1/2 1 1 1/2 2 MILES

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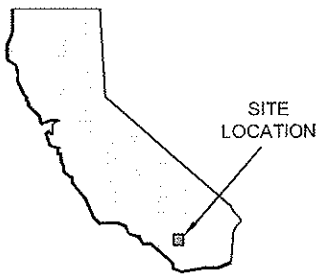


SOURCE:

United States Geological Survey
7.5 Minute Topographic Map, 2000:
Pala, Bonsall, Temecula,
and Pechanga Quadrangles

TRC

PROJECT: 29031902

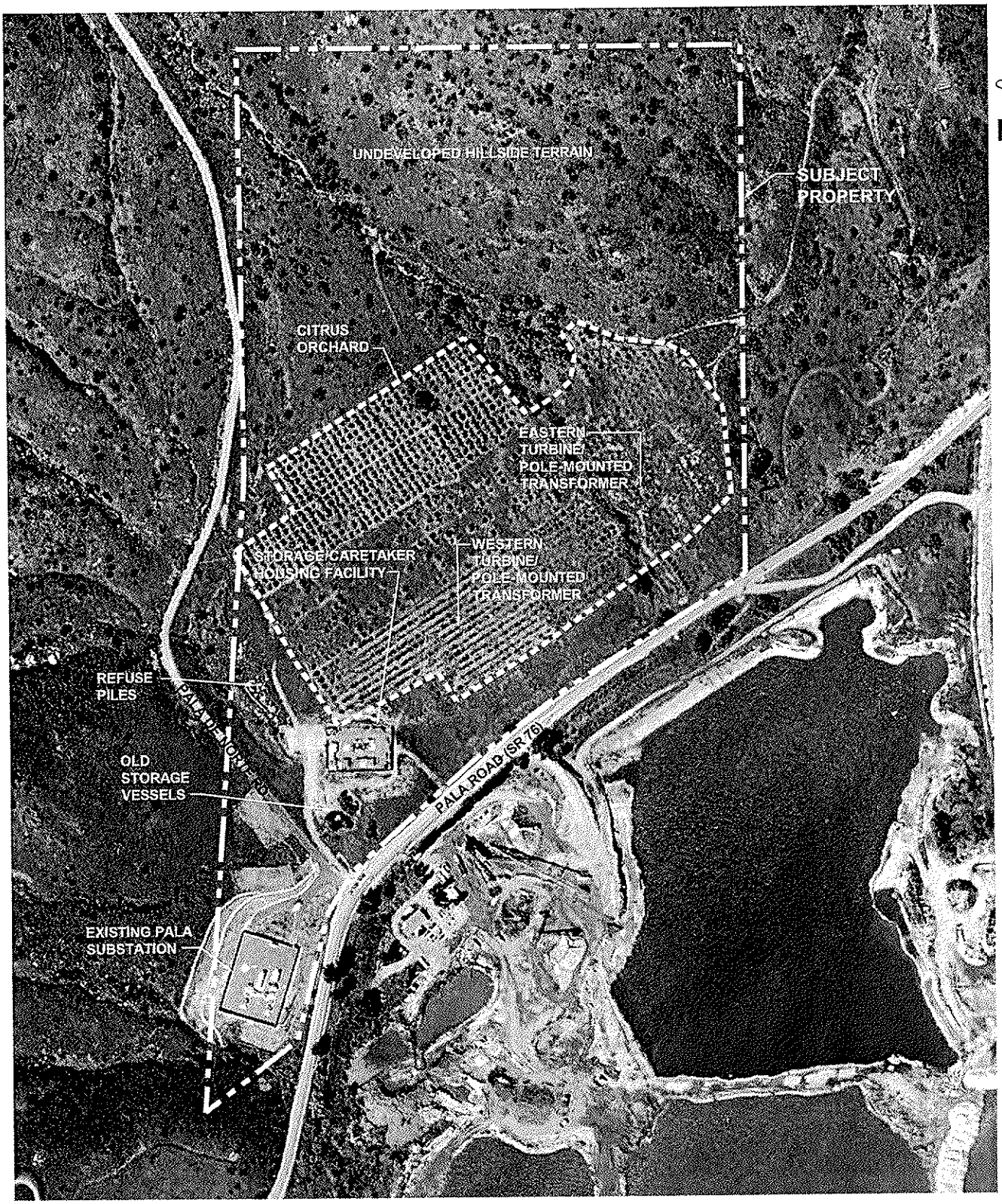
LOCATION:

10300 BLOCK OF PALA ROAD
SAN DIEGO COUNTY, CALIFORNIA

VICINITY MAP

FIGURE 1

PS=1:1 L:\Graphics\ProjectsByNumber\29-xxxx\29-0319\PHASE 1 RPT\2290319 VM.dwg Apr 13, 2007 - 5:03pm RCollins



APPROXIMATE SCALE (FEET)

0 300 600

SOURCE:

Google Earth Professional, 2005.

TRC

PROJECT: 29031902

FACILITY:

10300 BLOCK OF PALA ROAD
SAN DIEGO COUNTY, CALIFORNIA

SUBJECT PROPERTY SITE LAYOUT

FIGURE 2

PS=1:1 L:\Graphics\ProjectsByNumber\29-xxxx\29-0319\PHASE 1 RPT\290319 PROPERTY.dwg Apr 13, 2007 - 5:02pm RCollins

APPENDIX B

ASTM RADIUS REPORT
HISTORICAL TOPOGRAPHICAL MAPS
HISTORICAL AERIAL PHOTOGRAPHS
SANBORN MAP SEARCH
ENVIRONMENTAL LIEN SEARCH
CITY DIRECTORY SEARCH

The EDR Radius Map
with GeoCheck®

Orange Grove
Hwy 76/Pala Del Norte Road
Pala, CA 92059

Inquiry Number: 1890880.2s

March 29, 2007

EDR® Environmental
Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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Map Findings Summary	4
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Orphan Summary	7
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

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Physical Setting Source Records Searched	A-28

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

TARGET PROPERTY INFORMATION

ADDRESS

HWY 76/PALA DEL NORTE ROAD
PALA, CA 92059

COORDINATES

Latitude (North):	33.357800 - 33° 21' 28.1"
Longitude (West):	117.111100 - 117° 6' 40.0"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	489663.4
UTM Y (Meters):	3690767.0
Elevation:	372 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	33117-C1 PALA, CA
Most Recent Revision:	1988
North Map:	33117-D1 PECHANGA, CA
Most Recent Revision:	1988
West Map:	33117-C2 BONSALL, CA
Most Recent Revision:	1988

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:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL RECOVERY..... Federal Superfund Liens

CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
RCRA-SQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
US CDL	Clandestine Drug Labs
LUCIS	Land Use Control Information System
RADINFO	Radiation Information Database
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HIST Cal-Sites	Historical Calsites Database
CA BOND EXP. PLAN	Bond Expenditure Plan
SCH	School Property Evaluation Program
Toxic Pits	Toxic Pits Cleanup Act Sites
SWF/LF	Solid Waste Information System
CA WDS	Waste Discharge System
WMUDS/SWAT	Waste Management Unit Database
Cortese	"Cortese" Hazardous Waste & Substances Sites List
SWRCY	Recycler Database
LUST	Geotracker's Leaking Underground Fuel Tank Report
CA FID UST	Facility Inventory Database
SLIC	Statewide SLIC Cases
UST	Active UST Facilities
HIST UST	Hazardous Substance Storage Container Database
AST	Aboveground Petroleum Storage Tank Facilities
SWEEPS UST	SWEEPS UST Listing
CHMIRS	California Hazardous Material Incident Report System
Notify 65	Proposition 65 Records
DEED	Deed Restriction Listing
VCP	Voluntary Cleanup Program Properties

EXECUTIVE SUMMARY

CLEANERS..... Cleaner Facilities
WIP..... Well Investigation Program Case List
CDL..... Clandestine Drug Labs
San Diego Co. HMMD..... Hazardous Materials Management Division Database
RESPONSE..... State Response Sites
HAZNET..... Facility and Manifest Data
EMI..... Emissions Inventory Data
ENVIROSTOR..... EnviroStor Database

TRIBAL RECORDS

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

EDR PROPRIETARY RECORDS

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

TRIBAL RECORDS

Indian Lands: This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

A review of the INDIAN RESERV list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 INDIAN RESERV site within approximately 1 mile of the target property.

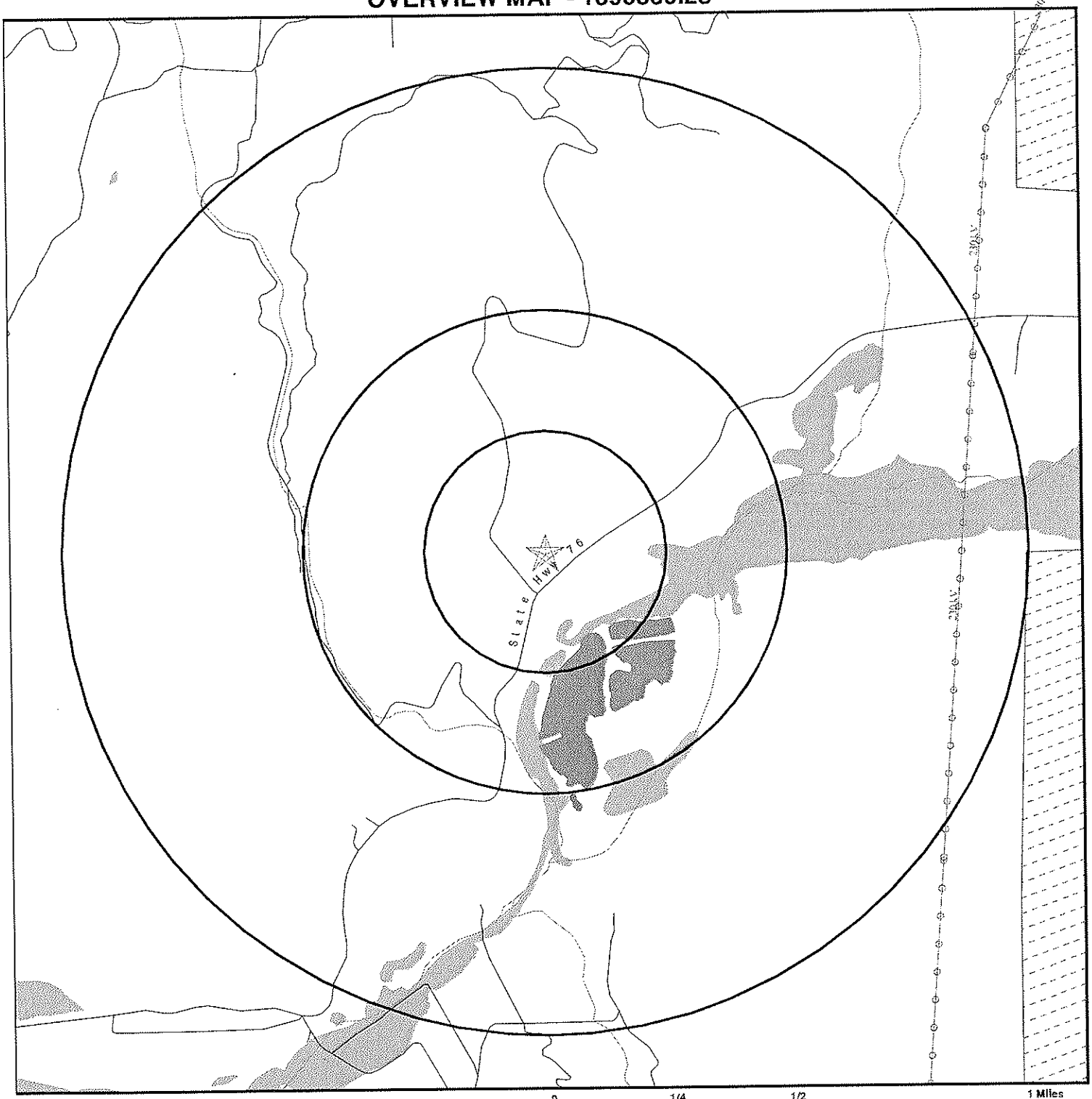
Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PALA INDIAN RESERVATION		1/2 - 1 E	0	6

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
INDUSTRIAL ASPHALT PRODUCTS	SWEEPS UST
CAL-MAT PALA	SWEEPS UST
DUKER & DUKER	San Diego Co. HMMD, SWEEPS UST
FALLBROOK ANNEX	CERC-NFRAP
PALA INDIAN RESERVATION	CERC-NFRAP
FALLBROOK BURNSITE	SWF/LF, San Diego Co. HMMD
VALLEY CENTER LANDFILL	SWF/LF
RAINBOW FARM, LLC	LUST
(MISSION SAN ANTONIO)	HIST UST
PALA	HIST UST
PACIFIC BELL (DB-119)	HIST UST
PALA SITE	AST
MISSION INDIAN OXIDATION POND	WMUDS/SWAT
MISSION INDIAN SANIT LANDFILL	WMUDS/SWAT
BROWN BULK TRANSPORTATION INC	RCRA-SQG, FINDS
ACORN MINI MARKET	INDIAN UST
CALMAT / INDUSTRIAL ASPHALT	INDIAN UST
PALA STORE	INDIAN UST
PALA STORE	INDIAN LUST

OVERVIEW MAP - 1890880.2s



- ☆ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- National Wetland Inventory
- Areas of Concern

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

SITE NAME: Orange Grove ADDRESS: Hwy 76/Pala Del Norte Road Pala CA 92059 LAT/LONG: 33.3578 / 117.1111	CLIENT: TRC Environmental Consultants CONTACT: Rachel Schmidt INQUIRY #: 1890880.2s DATE: March 29, 2007 6:34 pm

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DETAIL MAP - 1890880.2s

0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- National Wetland Inventory
- Areas of Concern

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

SITE NAME: Orange Grove ADDRESS: Hwy 76/Pala Del Norte Road Pala CA 92059 LAT/LONG: 33.3578 / 117.1111	CLIENT: TRC Environmental Consultants CONTACT: Rachel Schmidt INQUIRY #: 1890880.2s DATE: March 29, 2007 6:34 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECORDS								
Hist Cal-Sites		1.000	0	0	0	0	NR	0
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
Cortese		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
CA FID UST		0.250	0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
HIST UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
SWEEPS UST		0.250	0	0	NR	NR	NR	0
CHMIRS		TP	NR	NR	NR	NR	NR	0
Notify 65		1.000	0	0	0	0	NR	0
DEED		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
San Diego Co. HMMD		TP	NR	NR	NR	NR	NR	0
RESPONSE		1.000	0	0	0	0	NR	0
HAZNET		TP	NR	NR	NR	NR	NR	0
EMI		TP	NR	NR	NR	NR	NR	0
ENVIROSTOR		1.000	0	0	0	0	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	1	NR	1
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number
IND RES **Region** **East** **1/2-1** **5257 ft.**	**PALA INDIAN RESERVATION** **PALA INDIAN RESERVATION (County), CA**	**INDIAN RESERV**	**CIND100528** **N/A**

INDIAN RESERV:

Feature:	Indian Reservation
Name:	Pala Indian Reservation
Agency:	BIA
State:	CA

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FALLBROOK	1003879096	FALLBROOK ANNEX	NAVAL WEAPONS STA SEAL BCH	92028	CERC-NFRAP
FALLBROOK	S107619890	RAINBOW FARM, LLC	0 PALA RD	92028	LUST
FALLBROOK	S102066289	FALLBROOK BURNSITE	STONEPOST WY	92028	SWF/LF, San Diego Co. HMMD
PALA	S106927505	INDUSTRIAL ASPHALT PRODUCTS	HWY 76 6MI E I-15	92059	SWEEPS UST
PALA	S106923790	CAL-MAT PALA	HWY 76 7MI E I-15	92059	SWEEPS UST
PALA	1009393223	ACORN MINI MARKET	HWY 76 & PALA MISSION ROAD	92059	INDIAN UST
PALA	1009393179	CALMAT / INDUSTRIAL ASPHALT	HIGHWAY 76 6.7 MILES EAST OF I-15	92059	INDIAN UST
PALA	1005415471	BROWN BULK TRANSPORTATION INC	12802 HWY 76	92059	RCRA-SQG, FINDS
PALA	U001572028	(MISSION SAN ANTONIO)	PO BOX 70	92059	HIST UST
PALA	1009394154	PALA STORE	P.O. BOX 154	92059	INDIAN LUST
PALA	1009393088	PALA STORE	P.O. BOX 154	92059	INDIAN UST
PALA	S100731624	DUKER & DUKER	HENDERSON RD	92059	San Diego Co. HMMD, SWEEPS UST
PALA	A100109443	PALA SITE	6.5 MILES E OF HWY 15	92059	AST
PALA ,CA	S104156561	MISSION INDIAN OXIDATION POND	P.O. BOX 43	92059	WMUDS/SWAT
PALA ,CA	S104156514	MISSION INDIAN SANIT LANDFILL	P.O. BOX 43	92059	WMUDS/SWAT
PALA INDIAN RESERVAT	U001572033	PALA	6.7 MI. E. OF I 15 ON ST. RT.	92059	HIST UST
PALA INDIAN RESERVATI(	1007117511	PALA INDIAN RESERVATION	HIGHWAY 76 NEAR LILAC ROAD	92059	CERC-NFRAP
PAUMA VALLEY - PALA	U001572032	PACIFIC BELL (DB-119)	O U.S.HIGHWAY 76	92059	HIST UST
VALLEY CENTER	S105155595	VALLEY CENTER LANDFILL	28700 BLK AERIE RD.	92082	SWF/LF

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.

FEDERAL RECORDS

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: 01/25/2007
Date Data Arrived at EDR: 01/31/2007
Date Made Active in Reports: 03/12/2007
Number of Days to Update: 40

Source: EPA
Telephone: N/A
Last EDR Contact: 01/31/2007
Next Scheduled EDR Contact: 04/30/2007
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 10
Telephone 206-553-8665

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

Proposed NPL: Proposed National Priority List Sites
A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/27/2006
Date Data Arrived at EDR: 11/01/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 02/23/2007
Next Scheduled EDR Contact: 04/30/2007
Data Release Frequency: Quarterly

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: 12/28/2006
Date Data Arrived at EDR: 01/31/2007
Date Made Active in Reports: 03/12/2007
Number of Days to Update: 40

Source: EPA
Telephone: N/A
Last EDR Contact: 01/31/2007
Next Scheduled EDR Contact: 04/30/2007
Data Release Frequency: Quarterly

NPL RECOVERY: 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: 03/26/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

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

Date of Government Version: 11/28/2006
Date Data Arrived at EDR: 12/19/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 41

Source: EPA
Telephone: 703-603-8960
Last EDR Contact: 03/21/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/20/2006
Date Data Arrived at EDR: 01/29/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 29

Source: EPA
Telephone: 703-603-8960
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 01/04/2007
Date Data Arrived at EDR: 01/18/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 40

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006
Date Data Arrived at EDR: 06/28/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 56

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/27/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Quarterly

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: 12/31/2006
Date Data Arrived at EDR: 01/24/2007
Date Made Active in Reports: 03/12/2007
Number of Days to Update: 47

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 01/24/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 11/28/2006
Date Data Arrived at EDR: 01/17/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 41

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/17/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Annually

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: 10/18/2006
Date Data Arrived at EDR: 12/14/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 28

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 01/24/2007
Date Data Arrived at EDR: 01/31/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Varies

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 02/08/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Semi-Annually

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 09/20/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 63

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Varies

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

Date of Government Version: 10/17/2006
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 12/13/2006
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/12/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/2004
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 04/25/2005
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 02/06/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Varies

ROD: Records Of Decision
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/10/2007
Date Data Arrived at EDR: 01/24/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 34

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/27/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Annually

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/08/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 82

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 03/20/2007
Next Scheduled EDR Contact: 06/18/2007
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

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: 12/31/2004
Date Data Arrived at EDR: 06/22/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 62

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 03/20/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Annually

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

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 10/27/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 26

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 10/27/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 26

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 05/11/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/29/2007
Next Scheduled EDR Contact: 04/16/2007
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: 02/13/2006
Date Data Arrived at EDR: 04/21/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Quarterly

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 03/26/2007
Next Scheduled EDR Contact: 06/11/2007
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: 01/30/2007
Date Data Arrived at EDR: 01/31/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/31/2007
Next Scheduled EDR Contact: 04/30/2007
Data Release Frequency: Quarterly

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: 12/01/2006
Date Data Arrived at EDR: 01/08/2007
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 3

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 01/08/2007
Next Scheduled EDR Contact: 03/26/2007
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: 10/17/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 43

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 03/02/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Annually

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

Date of Government Version: 01/11/2007
Date Data Arrived at EDR: 01/26/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 32

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Quarterly

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: 11/15/2006
Date Data Arrived at EDR: 12/28/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 32

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/28/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Semi-Annually

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: 01/18/2007
Date Data Arrived at EDR: 01/23/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 35

Source: EPA
Telephone: N/A
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

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

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/06/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

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: 02/26/2007
Next Scheduled EDR Contact: 05/28/2007
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 11/28/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/28/2007
Next Scheduled EDR Contact: 05/28/2007
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/29/2007
Next Scheduled EDR Contact: 04/30/2007
Data Release Frequency: No Update Planned

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: 12/11/2006
Date Data Arrived at EDR: 12/13/2006
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 42

Source: Integrated Waste Management Board
Telephone: 916-341-6320
Last EDR Contact: 03/15/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Quarterly

CA WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 12/19/2006
Date Data Arrived at EDR: 12/19/2006
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 36

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 03/21/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Quarterly

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: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 05/29/2001
Date Made Active in Reports: 07/26/2001
Number of Days to Update: 58

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 01/22/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 01/08/2007
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 01/09/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Quarterly

LUST: Geotracker's Leaking Underground Fuel Tank Report
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 01/09/2007
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/27/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Quarterly

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: 01/01/2007
Date Data Arrived at EDR: 01/23/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 01/23/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Quarterly

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: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
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: 02/05/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
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: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
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: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 03/27/2007
Next Scheduled EDR Contact: 06/25/2007
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: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
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: 01/08/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 02/12/2007
Next Scheduled EDR Contact: 05/14/2007
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 01/09/2007
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 01/09/2007
Next Scheduled EDR Contact: 04/09/2007
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: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
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: 01/08/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 02/12/2007
Next Scheduled EDR Contact: 05/14/2007
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 01/22/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 01/03/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
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: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
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: 04/06/2006
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 35

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/27/2006
Date Data Arrived at EDR: 11/27/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 37

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 03/12/2007
Next Scheduled EDR Contact: 05/28/2007
Data Release Frequency: Annually

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 01/09/2007
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 14

Source: SWRCB
Telephone: 916-480-1028
Last EDR Contact: 01/09/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 02/05/2007
Date Data Arrived at EDR: 02/06/2007
Date Made Active in Reports: 03/21/2007
Number of Days to Update: 43

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 03/26/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Varies

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

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 02/09/2007
Date Data Arrived at EDR: 02/09/2007
Date Made Active in Reports: 03/23/2007
Number of Days to Update: 42

Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 01/29/2007
Next Scheduled EDR Contact: 04/30/2007
Data Release Frequency: Quarterly

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 1980'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

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 11/30/2005
Date Made Active in Reports: 01/19/2006
Number of Days to Update: 50

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

NOTIFY 65: Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

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

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: No Update Planned

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: 01/15/2007
Date Data Arrived at EDR: 01/16/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 42

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/16/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 11/28/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/28/2007
Next Scheduled EDR Contact: 05/28/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/18/2005
Date Data Arrived at EDR: 04/18/2005
Date Made Active in Reports: 05/06/2005
Number of Days to Update: 18

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 03/23/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Annually

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 10/25/2006
Date Data Arrived at EDR: 10/31/2006
Date Made Active in Reports: 11/28/2006
Number of Days to Update: 28

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/13/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Varies

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: 05/17/2006
Date Data Arrived at EDR: 05/17/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 02/26/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Varies

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

Date of Government Version: 11/28/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/28/2007
Next Scheduled EDR Contact: 05/28/2007
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.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/20/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 44

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 02/06/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 27

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 01/19/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Varies

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 11/28/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/28/2007
Next Scheduled EDR Contact: 05/28/2007
Data Release Frequency: Quarterly

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 02/08/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 12/01/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 59

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
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: 01/04/2005
Date Data Arrived at EDR: 01/21/2005
Date Made Active in Reports: 02/28/2005
Number of Days to Update: 38

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
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: 11/30/2006
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 52

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/21/2006
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 52

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 02/21/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/19/2006
Date Data Arrived at EDR: 12/19/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/06/2006
Date Data Arrived at EDR: 10/04/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 35

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Minnesota, Mississippi and North Carolina.

Date of Government Version: 08/24/2006
Date Data Arrived at EDR: 09/11/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 58

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Semi-Annually

INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 08/24/2006
Date Data Arrived at EDR: 09/11/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 58

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 11/21/2006
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 52

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004
Date Data Arrived at EDR: 12/29/2004
Date Made Active in Reports: 02/04/2005
Number of Days to Update: 37

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 11/30/2006
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 52

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 01/11/2007
Date Data Arrived at EDR: 01/12/2007
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 17

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 12/01/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 59

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 09/06/2006
Date Data Arrived at EDR: 10/04/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 35

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 12/19/2006
Date Data Arrived at EDR: 12/19/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 41

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Quarterly

EDR PROPRIETARY RECORDS

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/31/2007
Date Data Arrived at EDR: 02/02/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 25

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/22/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 02/02/2007
Date Data Arrived at EDR: 02/02/2007
Date Made Active in Reports: 03/21/2007
Number of Days to Update: 47

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/22/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/28/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 35

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 02/26/2007
Next Scheduled EDR Contact: 05/28/2007
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List

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

Date of Government Version: 01/13/2007
Date Data Arrived at EDR: 01/16/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 42

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/16/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 12/06/2006
Date Data Arrived at EDR: 12/07/2006
Date Made Active in Reports: 01/04/2007
Number of Days to Update: 28

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

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

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 07/07/1999
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 05/16/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/31/2006
Date Data Arrived at EDR: 12/29/2006
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 26

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 11/13/2006
Next Scheduled EDR Contact: 02/12/2007
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 11/13/2006
Date Data Arrived at EDR: 11/28/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 36

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 02/13/2007
Next Scheduled EDR Contact: 05/14/2007
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/01/2006
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 35

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 03/14/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Varies

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

Date of Government Version: 12/04/2006
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 02/12/2007
Next Scheduled EDR Contact: 05/14/2007
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 12/14/2006
Date Data Arrived at EDR: 12/15/2006
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 39

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 05/14/2007
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/20/2007
Date Data Arrived at EDR: 02/21/2007
Date Made Active in Reports: 03/21/2007
Number of Days to Update: 28

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 02/12/2007
Next Scheduled EDR Contact: 05/14/2007
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 01/26/2007
Date Data Arrived at EDR: 02/20/2007
Date Made Active in Reports: 03/21/2007
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 01/29/2007
Next Scheduled EDR Contact: 04/30/2007
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination

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

Date of Government Version: 01/09/2007
Date Data Arrived at EDR: 01/10/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/26/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Semi-Annually

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2007
Date Data Arrived at EDR: 01/10/2007
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 13

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/26/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 01/04/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 20

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/07/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 01/04/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 20

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/07/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 01/04/2007
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 19

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/07/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 01/17/2007
Date Data Arrived at EDR: 01/18/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 40

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 02/06/2007
Date Data Arrived at EDR: 02/07/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 20

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 02/06/2007
Date Data Arrived at EDR: 02/07/2007
Date Made Active in Reports: 03/21/2007
Number of Days to Update: 42

Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Contaminated Sites

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 01/31/2007
Date Data Arrived at EDR: 02/16/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 11

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/31/2007
Next Scheduled EDR Contact: 04/30/2007
Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 01/31/2007
Date Data Arrived at EDR: 02/15/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 12

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/31/2007
Next Scheduled EDR Contact: 04/30/2007
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 01/04/2007
Date Data Arrived at EDR: 01/05/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 19

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

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

Date of Government Version: 05/16/2005
Date Data Arrived at EDR: 05/18/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 29

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 01/03/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 11/01/2006
Date Data Arrived at EDR: 01/03/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 21

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversite Facilities

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

Date of Government Version: 12/21/2006
Date Data Arrived at EDR: 12/22/2006
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 33

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 12/21/2006
Date Data Arrived at EDR: 12/22/2006
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 32

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

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

Date of Government Version: 10/16/2006
Date Data Arrived at EDR: 12/13/2006
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 41

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

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

Date of Government Version: 01/24/2007
Date Data Arrived at EDR: 01/25/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 33

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 01/08/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Annually

Fuel Leak List

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

Date of Government Version: 01/09/2007
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 01/08/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/26/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 09/29/2006
Date Data Arrived at EDR: 10/02/2006
Date Made Active in Reports: 10/25/2006
Number of Days to Update: 23

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 03/26/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Varies

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 12/07/2006
Date Data Arrived at EDR: 12/07/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 27

Source: City of San Jose Fire Department
Telephone: 408-277-4659
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks

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

Date of Government Version: 01/08/2007
Date Data Arrived at EDR: 02/06/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 21

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/26/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 01/02/2007
Date Data Arrived at EDR: 01/16/2007
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 7

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/26/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

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

Date of Government Version: 01/22/2007
Date Data Arrived at EDR: 01/23/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 35

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 01/22/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/31/0005
Date Data Arrived at EDR: 01/05/2006
Date Made Active in Reports: 01/31/2006
Number of Days to Update: 26

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 01/29/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 11/28/2006
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/14/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

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

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 09/05/2006
Date Made Active in Reports: 10/05/2006
Number of Days to Update: 30

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 11/28/2006
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/14/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

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

Date of Government Version: 12/28/2006
Date Data Arrived at EDR: 01/23/2007
Date Made Active in Reports: 03/21/2007
Number of Days to Update: 57

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/10/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 02/05/2007
Date Data Arrived at EDR: 02/20/2007
Date Made Active in Reports: 03/21/2007
Number of Days to Update: 29

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 01/29/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 03/16/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 01/01/2007
Date Data Arrived at EDR: 01/04/2007
Date Made Active in Reports: 02/13/2007
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/04/2007
Next Scheduled EDR Contact: 04/02/2007
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: 10/26/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/05/2007
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 03/02/2007
Next Scheduled EDR Contact: 05/28/2007
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 81

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/12/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 04/11/2006
Date Data Arrived at EDR: 10/31/2006
Date Made Active in Reports: 12/18/2006
Number of Days to Update: 48

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 02/06/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ORANGE GROVE
HWY 76/PALA DEL NORTE ROAD
PALA, CA 92059

TARGET PROPERTY COORDINATES

Latitude (North):	33.35780 - 33° 21' 28.1"
Longitude (West):	117.1111 - 117° 6' 40.0"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	489663.4
UTM Y (Meters):	3690767.0
Elevation:	372 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33117-C1 PALA, CA
Most Recent Revision:	1988
North Map:	33117-D1 PECHANGA, CA
Most Recent Revision:	1988
West Map:	33117-C2 BONSALL, CA
Most Recent Revision:	1988

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).

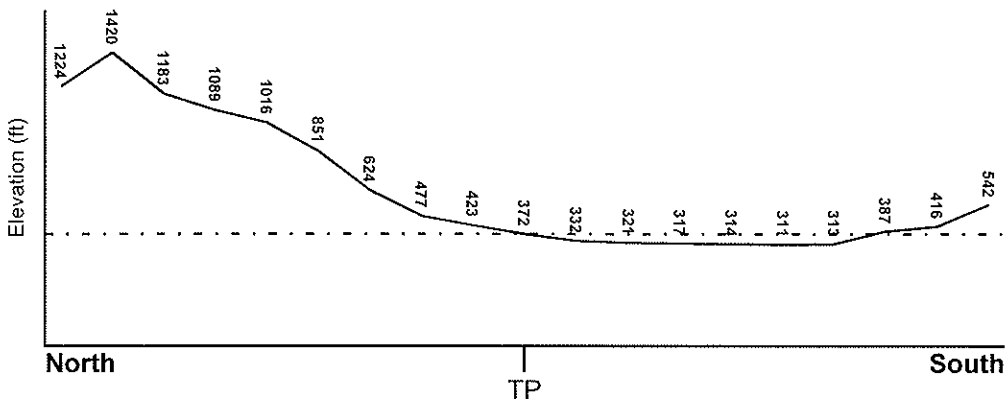
TOPOGRAPHIC INFORMATION

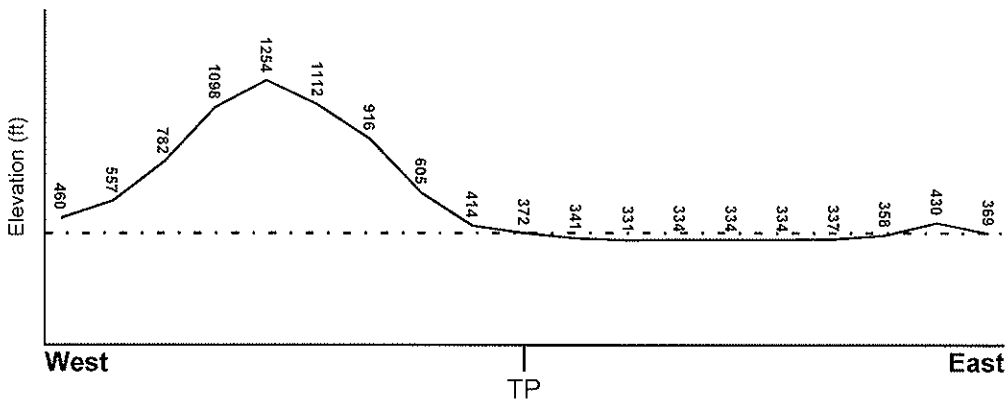
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 372 ft.

0 1/2 1 Miles

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
SAN DIEGO, CA	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
PALA	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:	Mesozoic
System:	Cretaceous
Series:	Cretaceous granitic rocks
Code:	Kg *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	LAS POSAS
Soil Surface Texture:	stony - fine sandy loam
Hydrologic Group:	Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel:	HIGH
Depth to Bedrock Min:	> 20 inches
Depth to Bedrock Max:	> 40 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	12 inches	stony - fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10
2	12 inches	32 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.06	Max: 7.80 Min: 6.60
3	32 inches	36 inches	weathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: fine sandy loam
unweathered bedrock
loam
gravelly - coarse sand

Surficial Soil Types: fine sandy loam
unweathered bedrock
loam
gravelly - coarse sand

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: unweathered bedrock
stratified

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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
A2	USGS3127300	1/8 - 1/4 Mile East
B3	USGS3127304	1/8 - 1/4 Mile East
B4	USGS3127303	1/8 - 1/4 Mile East
B5	USGS3127305	1/8 - 1/4 Mile East
C8	USGS3127299	1/4 - 1/2 Mile East
D10	USGS3127285	1/4 - 1/2 Mile ESE
E15	USGS3127313	1/4 - 1/2 Mile East
E16	USGS3127314	1/4 - 1/2 Mile East
E17	USGS3127312	1/4 - 1/2 Mile East
E18	USGS3127315	1/4 - 1/2 Mile East
F19	USGS3127250	1/4 - 1/2 Mile SSE
21	USGS3127295	1/2 - 1 Mile East
22	USGS3127434	1/2 - 1 Mile SSW
G25	USGS3127427	1/2 - 1 Mile SSW
G26	USGS3127428	1/2 - 1 Mile SSW
H27	USGS3127147	1/2 - 1 Mile ENE
I29	USGS3127174	1/2 - 1 Mile ENE

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
A1	CADW00000002512	1/8 - 1/4 Mile East
B6	CADW00000002517	1/8 - 1/4 Mile East
B7	CADW00000002516	1/8 - 1/4 Mile East
C9	CADW00000002513	1/4 - 1/2 Mile East
D11	CADW00000002497	1/4 - 1/2 Mile ESE
E12	CADW00000002523	1/4 - 1/2 Mile East
E13	CADW00000002524	1/4 - 1/2 Mile East
E14	CADW00000002525	1/4 - 1/2 Mile East
F20	CADW00000002461	1/4 - 1/2 Mile SSE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
23	9373	1/2 - 1 Mile SSW
G24	CADW00000002444	1/2 - 1 Mile SSW
H28	CADW00000002554	1/2 - 1 Mile ENE
I30	CADW00000002583	1/2 - 1 Mile ENE

PHYSICAL SETTING SOURCE MAP - 1890880.2s

County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME: Orange Grove ADDRESS: Hwy 76/Pala Del Norte Road Pala CA 92059 LAT/LONG: 33.3578 / 117.1111	CLIENT: TRC Environmental Consultants CONTACT: Rachel Schmidt INQUIRY #: 1890880.2s DATE: March 29, 2007 6:34 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **East** **1/8 - 1/4 Mile** **Lower**	**CA WELLS**	**CADW00000002512**

Longn:	-117.1078		
Latn:	33.3578		
Stwellno:	09S02W32A005S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	950399	County:	San Diego
State:	CA	Gw name:	San Luis Rey Watershed
District:	Southern District		
Descriptio:	Undetermined		

A2 **East** **1/8 - 1/4 Mile** **Lower**	**FED USGS**	**USGS3127300**

Agency cd:	USGS	Site no:	332128117062801
Site name:	009S002W32A005S		
Latitude:	332128		
Longitude:	1170628	Dec lat:	33.3578101
Dec lon:	-117.10864207	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	330.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	24.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	14.00	

B3
East
1/8 - 1/4 Mile
Lower

FED USGS **USGS3127304**

Agency cd:	USGS	Site no:	332129117062202
Site name:	009S002W32A003S		
Latitude:	332129		
Longitude:	1170622	Dec lat:	33.35808789
Dec lon:	-117.10697535	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	330.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19600101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	50.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	20.00	

B4
East
1/8 - 1/4 Mile
Lower

FED USGS **USGS3127303**

Agency cd:	USGS	Site no:	332129117062201
Site name:	009S002W32A002S		
Latitude:	332129		
Longitude:	1170622	Dec lat:	33.35808789
Dec lon:	-117.10697535	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	330.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	12.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	10.00	

B5
East
1/8 - 1/4 Mile
Lower

FED USGS **USGS3127305**

Agency cd:	USGS	Site no:	332129117062203
Site name:	009S002W32A006S		
Latitude:	332129		
Longitude:	1170622	Dec lat:	33.35808789
Dec lon:	-117.10697535	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	335.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19520101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1960-11-04
Water quality data end date:	1961-01-04	Water quality data count:	3
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

B6
East
1/8 - 1/4 Mile
Lower

CA WELLS **CADW00000002517**

Longn:	-117.1061		
Latn:	33.3581		
Stwellno:	09S02W32A003S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

B7
East
1/8 - 1/4 Mile
Lower

CA WELLS **CADW00000002516**

Longn:	-117.1061		
Latn:	33.3581		
Stwellno:	09S02W32A002S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

C8
East
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127299**

Agency cd:	USGS	Site no:	332128117061701
Site name:	009S002W32A004S		
Latitude:	332128		
Longitude:	1170617	Dec lat:	33.35781013
Dec lon:	-117.10558642	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	330.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19630101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	117	Hole depth:	117
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	10.00	

C9
East
1/4 - 1/2 Mile
Lower

CA WELLS **CADW00000002513**

Longn:	-117.1047		
Latn:	33.3578		
Stwellno:	09S02W32A004S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

Map ID Direction Distance Elevation	Database	EDR ID Number
D10 **ESE** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS3127285**

Agency cd:	USGS	Site no:	332118117061701
Site name:	009S002W32A001S		
Latitude:	332118		
Longitude:	1170617	Dec lat:	33.35503243
Dec lon:	-117.10558644	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	PALA	Map scale:	24000
Altitude:	330.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1960-11-04
Water quality data end date:	1960-11-04	Water quality data count:	1
Ground water data begin date:	1966-08-01	Ground water data end date:	1985-12-26
Ground water data count:	90		

Ground-water levels, Number of Measurements: 90

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1985-12-26	11.80		1985-10-17	12.99	
1985-08-14	12.62		1985-06-06	11.44	
1985-05-01	10.83		1985-02-11	10.97	
1984-12-17	11.49		1984-11-06	12.14	
1984-08-29	12.23		1984-06-25	11.57	
1984-04-30	10.25		1984-02-15	10.84	
1983-12-08	9.10		1983-10-18	8.55	
1983-08-29	7.86		1983-07-08	7.77	
1983-02-25	8.17		1982-12-15	8.93	
1982-08-24	9.04		1982-07-02	8.49	
1982-04-13	7.00		1982-03-02	7.44	
1981-11-25	8.94		1981-10-16	8.72	
1981-09-16	8.80		1981-08-07	10.23	
1981-07-14	9.92		1981-06-03	8.42	
1981-04-07	8.39		1981-03-11	8.37	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1981-02-18	8.99	
1980-11-03	4.88	
1980-07-30	3.67	
1980-06-26	3.58	
1980-04-03	3.91	
1979-12-27	8.71	
1979-10-17	8.42	
1979-08-14	8.01	
1979-06-13	7.57	
1979-04-11	6.60	
1979-02-05	8.95	
1978-11-15	7.44	
1978-09-07	7.55	
1978-03-23	5.65	
1977-12-20	10.32	
1977-09-28	10.28	
1977-07-22	9.60	
1977-04-22	9.18	
1977-02-03	9.13	
1976-11-19	10.20	
1976-09-03	10.34	
1976-06-16	9.42	
1976-01-21	9.39	
1975-11-06	9.77	
1975-08-26	9.27	
1975-06-16	8.02	
1975-04-22	7.81	
1975-01-29	8.41	
1972-04-19	6.18	
1966-08-18	8.67	

Date	Feet below Surface	Feet to Sealevel
1980-12-09	8.95	
1980-10-08	4.43	
1980-07-04	3.79	
1980-05-14	4.09	
1980-02-05	6.10	
1979-11-16	8.27	
1979-09-12	8.02	
1979-07-18	7.90	
1979-05-08	6.39	
1979-03-20	8.17	
1979-01-04	9.68	
1978-10-11	8.38	
1978-07-21	6.77	
1978-01-27	6.75	
1977-11-18	10.42	
1977-08-26	9.98	
1977-06-09	9.25	
1977-03-23	9.15	
1976-12-17	10.12	
1976-10-07	10.16	
1976-07-29	9.97	
1976-03-30	8.55	
1975-12-10	9.62	
1975-09-26	9.64	
1975-07-29	8.58	
1975-05-22	8.92	
1975-03-10	7.98	
1972-09-29	7.33	
1971-09-30	6.70	
1966-08-01	9.00	

D11
ESE
1/4 - 1/2 Mile
Lower

CA WELLS **CADW00000002497**

Longn:	-117.1047		
Latn:	33.355		
Stwellno:	09S02W32A001S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

E12
East
1/4 - 1/2 Mile
Lower

CA WELLS **CADW00000002523**

Longn:	-117.1028		
Latn:	33.3589		
Stwellno:	09S02W29R001S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

E13
East
1/4 - 1/2 Mile
Lower

CA WELLS **CADW00000002524**

Longn:	-117.1028		
Latn:	33.3589		
Stwellno:	09S02W29R003S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

E14
East
1/4 - 1/2 Mile
Lower

CA WELLS **CADW00000002525**

Longn:	-117.1028		
Latn:	33.3589		
Stwellno:	09S02W29R004S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

E15
East
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127313**

Agency cd:	USGS	Site no:	332132117061002
Site name:	009S002W29R002S		
Latitude:	332132		
Longitude:	1170610	Dec lat:	33.35892122
Dec lon:	-117.10364191	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	335.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Margarita. California. Area = 731 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	59.0	Hole depth:	59.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

E16
East
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127314**

Agency cd:	USGS	Site no:	332132117061003
Site name:	009S002W29R003S		
Latitude:	332132		
Longitude:	1170610	Dec lat:	33.35892122
Dec lon:	-117.10364191	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	335.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Margarita. California. Area = 731 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	59.0	Hole depth:	59.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1971-09-01	Ground water data end date:	1971-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1971-09-01	9.00	

E17
East
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127312**

Agency cd:	USGS	Site no:	332132117061001
Site name:	009S002W29R001S		
Latitude:	332132		
Longitude:	1170610	Dec lat:	33.35892122
Dec lon:	-117.10364191	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	335.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Margarita. California. Area = 731 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	10.00	

E18
East
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127315**

Agency cd:	USGS	Site no:	332132117061004
Site name:	009S002W29R004S		
Latitude:	332132		
Longitude:	1170610	Dec lat:	33.35892122
Dec lon:	-117.10364191	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	335.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Margarita. California. Area = 731 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	54.0	Hole depth:	54.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1971-09-01	Ground water data end date:	1971-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1971-09-01	7.00	

F19
SSE
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127250**

Agency cd:	USGS	Site no:	332104117063001
Site name:	009S002W32G001S		
Latitude:	332104		
Longitude:	1170630	Dec lat:	33.35114362
Dec lon:	-117.1091977	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	PALA	Map scale:	24000
Altitude:	320.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1960-11-04
Water quality data end date:	1960-11-04	Water quality data count:	1
Ground water data begin date:	1966-08-01	Ground water data end date:	1985-05-01
Ground water data count:	24		

Ground-water levels, Number of Measurements: 24

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1985-05-01	10.02		1984-11-14	10.55	
1984-04-30	9.82		1983-12-08	8.73	
1983-07-08	8.63		1982-12-15	8.82	
1982-03-02	7.09		1981-10-29	7.58	
1981-03-11	5.73		1980-10-08	5.88	
1980-05-14	6.05		1979-09-12	9.82	
1979-03-20	10.32		1978-10-12	9.85	
1978-03-23	5.97		1977-09-28	9.35	
1977-03-23	8.25		1976-08-06	8.53	
1976-03-30	7.84		1975-06-16	7.90	
1972-04-19	6.98		1971-09-30	7.56	
1966-08-19	10.50		1966-08-01	10.00	

F20
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CADW00000002461**

Longn:	-117.1083		
Latn:	33.3511		
Stwellno:	09S02W32G001S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

21
East
1/2 - 1 Mile
Lower

FED USGS **USGS3127295**

Agency cd:	USGS	Site no:	332124117060701
Site name:	009S002W33D001S		
Latitude:	332124.2		
Longitude:	1170607.2	Dec lat:	33.35672222
Dec lon:	-117.102	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	PALA	Map scale:	24000
Altitude:	331		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19780629
Date inventoried:	20040715	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	80	Hole depth:	95
Source of depth data:	driller		
Project number:	9677BHM22		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

22
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS3127434**

Agency cd:	USGS	Site no:	332057117065601
Site name:	009S002W32Z001S		
Latitude:	332057		
Longitude:	1170656	Dec lat:	33.34919918
Dec lon:	-117.11642016	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	303.00		
Altitude method:	Level or other surveying method		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

23
SSW
1/2 - 1 Mile
Lower

CA WELLS **9373**

Water System Information:

Prime Station Code:	09S/02W-32L01 S	User ID:	37C
FRDS Number:	3701785001	County:	San Diego
District Number:	67	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	332054.0 1170652.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	3701785		
System Name:	JOE LUCIO DAIRY		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

G24
SSW
1/2 - 1 Mile
Lower

CA WELLS **CADW00000002444**

Longn:	-117.1161		
Latn:	33.3481		
Stwellno:	09S02W32L001S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

G25
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS3127427**

Agency cd:	USGS	Site no:	332053117065801
Site name:	009S002W32L001S		
Latitude:	332053		
Longitude:	1170658	Dec lat:	33.3480881
Dec lon:	-117.11697574	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	PALA	Map scale:	24000
Altitude:	310.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19570101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	85.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1963-07-21
Water quality data end date:	1985-08-21	Water quality data count:	13
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	13.00	

Map ID Direction Distance Elevation	Database	EDR ID Number
G26 **SSW** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS3127428**

Agency cd:	USGS	Site no:	332053117065802
Site name:	009S002W32L002S		
Latitude:	332053		
Longitude:	1170658	Dec lat:	33.3480881
Dec lon:	-117.11697574	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	310.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	66.0	Hole depth:	66.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

H27 **ENE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS3127147**

Agency cd:	USGS	Site no:	332144117055401
Site name:	009S002W28N001S		
Latitude:	332144		
Longitude:	1170554	Dec lat:	33.36225449
Dec lon:	-117.0991973	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported

Altitude:	340.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1953-07-10
Water quality data end date:	1959-08-03	Water quality data count:	8
Ground water data begin date:	1966-09-01	Ground water data end date:	1966-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-09-01	13.00	

H28
ENE
1/2 - 1 Mile
Lower

CA WELLS **CADW00000002554**

Longn:	-117.0983		
Latn:	33.3622		
Stwellno:	09S02W28N001S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

I29
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS3127174**

Agency cd:	USGS	Site no:	332153117054901
Site name:	009S002W28L001S		
Latitude:	332153		
Longitude:	1170549	Dec lat:	33.36475443
Dec lon:	-117.09780835	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	350.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1967-02-01	Ground water data end date:	1967-02-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1967-02-01	4.00	

I30
ENE
1/2 - 1 Mile
Lower

CA WELLS **CADW00000002583**

Longn:	-117.0969		
Latn:	33.3647		
Stwellno:	09S02W28L001S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for SAN DIEGO County: 3

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 SAN DIEGO COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.677 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.400 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

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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EDR Historical Topographic Map Report

Orange Grove
Hwy 76/Pala Del Norte Road
Pala, CA 92059

Inquiry Number: 1890880.4

March 30, 2007

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Rd
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Historical Topographic Map Report

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

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

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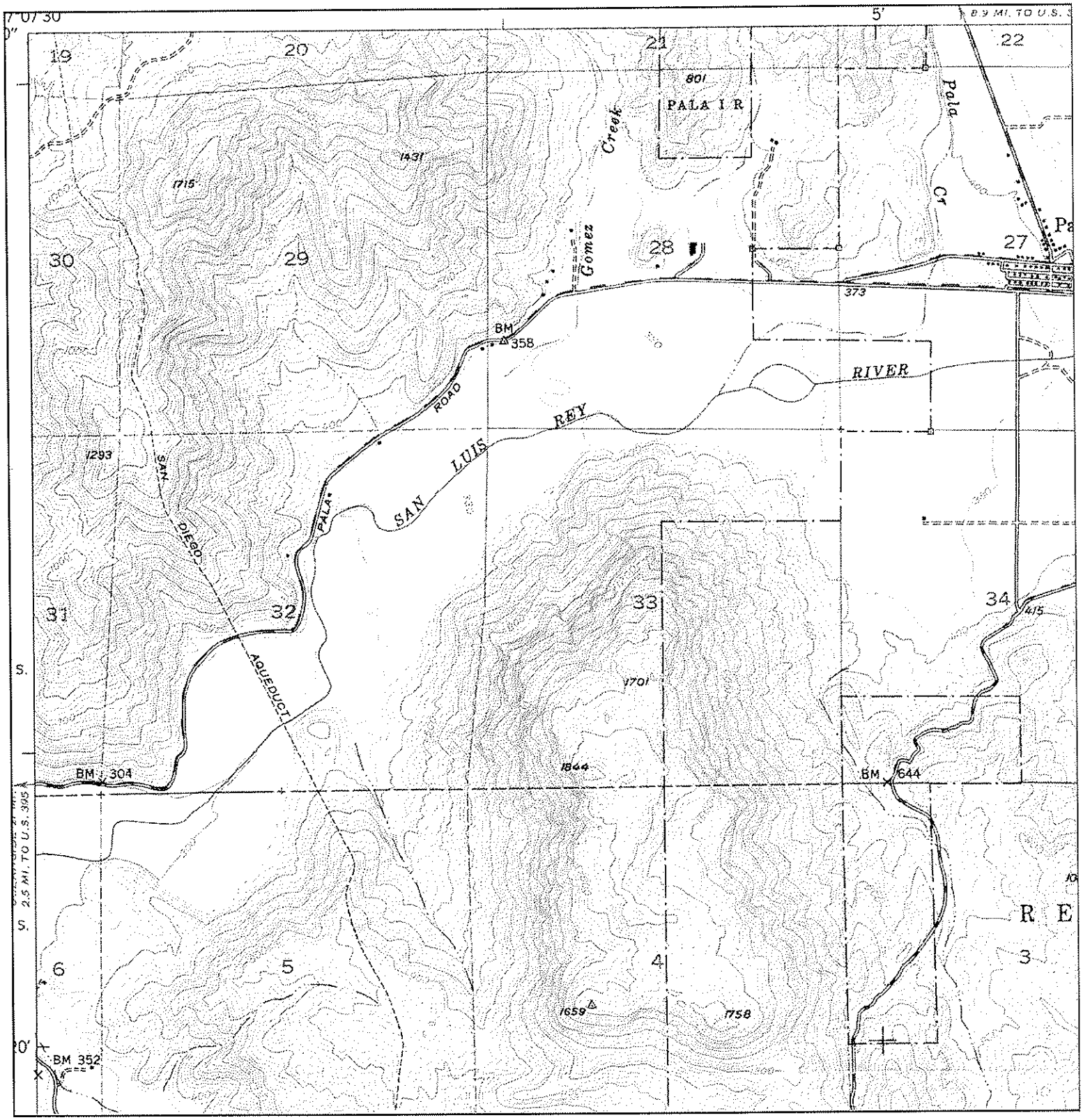
Historical Topographic Map

N	TARGET QUAD NAME: SOUTHERN CA SHEET 2 MAP YEAR: 1904 SERIES: 60 SCALE: 1:250000	SITE NAME: Orange Grove ADDRESS: Hwy 76/Pala Del Norte Road Pala, CA 92059 LAT/LONG: 33.3578 / 117.1111	CLIENT: TRC Environmental Consultants CONTACT: Rachel Schmidt INQUIRY#: 1890880.4 RESEARCH DATE: 03/30/2007

Historical Topographic Map

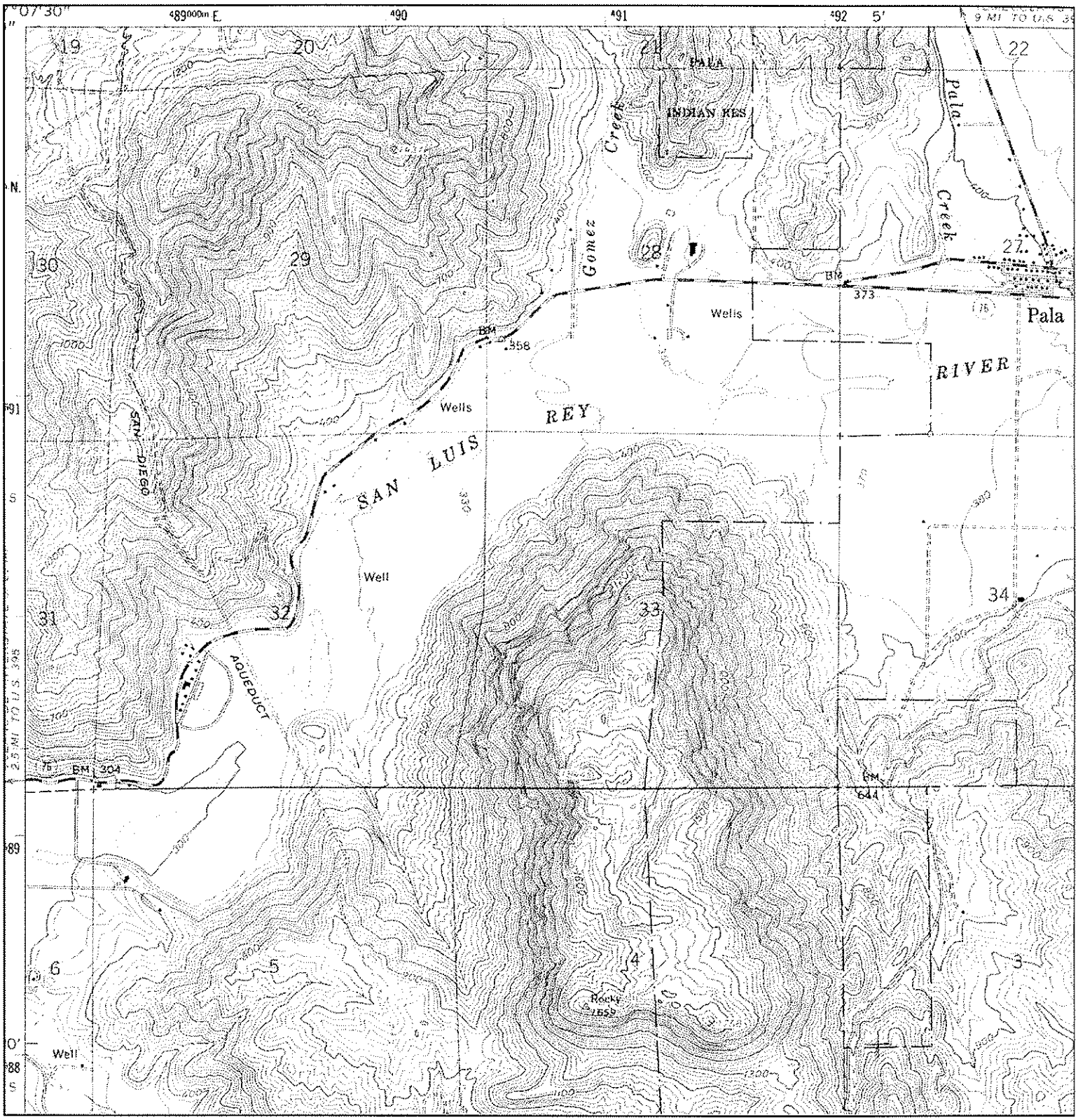
N	TARGET QUAD NAME: TEMECULA MAP YEAR: 1947 SERIES: 15 SCALE: 1:50000	SITE NAME: Orange Grove ADDRESS: Hwy 76/Pala Del Norte Road Pala, CA 92059 LAT/LONG: 33.3578 / 117.1111	CLIENT: TRC Environmental Consultants CONTACT: Rachel Schmidt INQUIRY#: 1890880.4 RESEARCH DATE: 03/30/2007

Historical Topographic Map



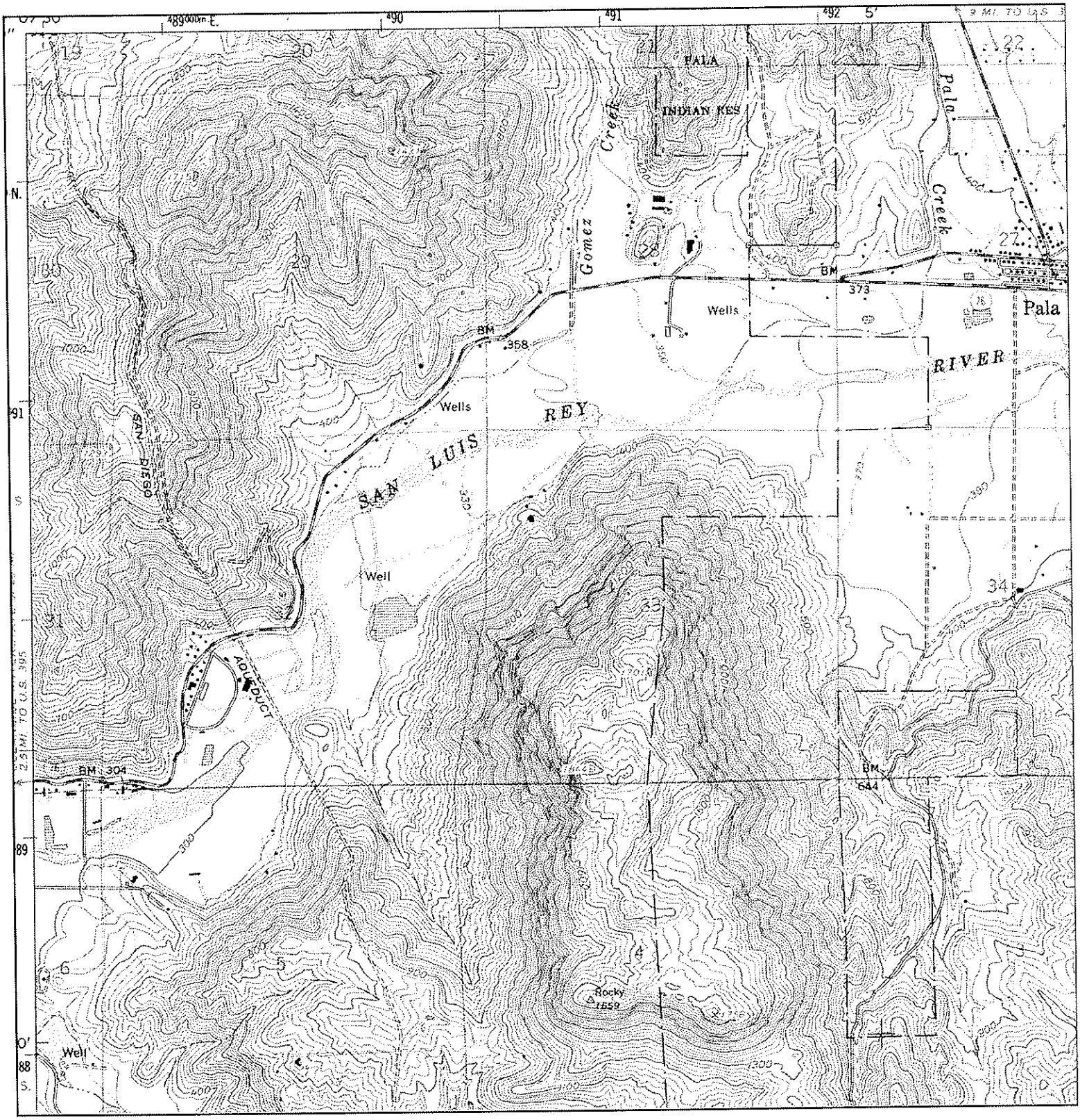
N	TARGET QUAD NAME: PALA MAP YEAR: 1950 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Orange Grove ADDRESS: Hwy 76/Pala Del Norte Road Pala, CA 92059 LAT/LONG: 33.3578 / 117.1111	CLIENT: TRC Environmental Consultants CONTACT: Rachel Schmidt INQUIRY#: 1890880.4 RESEARCH DATE: 03/30/2007

Historical Topographic Map



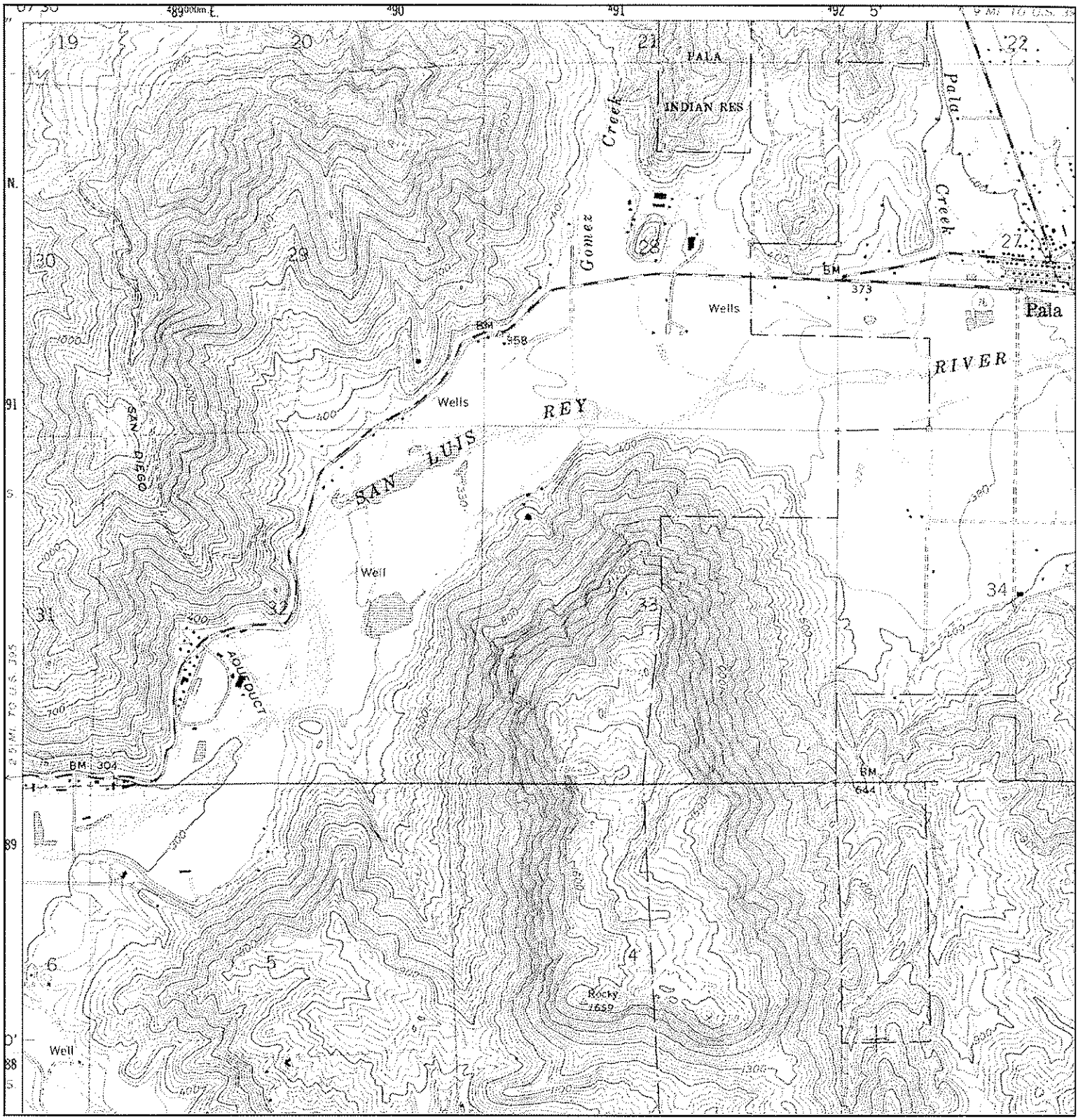
N	TARGET QUAD NAME: PALA MAP YEAR: 1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Orange Grove ADDRESS: Hwy 76/Pala Del Norte Road Pala, CA 92059 LAT/LONG: 33.3578 / 117.1111	CLIENT: TRC Environmental Consultants CONTACT: Rachel Schmidt INQUIRY#: 1890880.4 RESEARCH DATE: 03/30/2007

Historical Topographic Map



N	TARGET QUAD NAME: PALA MAP YEAR: 1982 PHOTOREVISED FROM:1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Orange Grove ADDRESS: Hwy 76/Pala Del Norte Road Pala, CA 92059 LAT/LONG: 33.3578 / 117.1111	CLIENT: TRC Environmental Consultants CONTACT: Rachel Schmidt INQUIRY#: 1890880.4 RESEARCH DATE: 03/30/2007

Historical Topographic Map



N	TARGET QUAD NAME: PALA MAP YEAR: 1988 PHOTOREVISED FROM:1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Orange Grove ADDRESS: Hwy 76/Pala Del Norte Road Pala, CA 92059 LAT/LONG: 33.3578 / 117.1111	CLIENT: TRC Environmental Consultants CONTACT: Rachel Schmidt INQUIRY#: 1890880.4 RESEARCH DATE: 03/30/2007

The EDR Aerial Photo Decade Package

Orange Grove
Hwy 76/Pala Del Norte Road
Pala, CA 92059

Inquiry Number: 1890880.5

April 02, 2007

EDR® Environmental Data Resources Inc

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Date EDR Searched Historical Sources:

Aerial Photography April 02, 2007

Target Property:

Hwy 76/Pala Del Norte Road
Pala, CA 92059

Year	*Scale*	*Details*	*Source*
1939	Aerial Photograph. Scale: 1"=555'	Flight Year: 1939	Fairchild
1946	Aerial Photograph. Scale: 1"=655'	Flight Year: 1946	Jack Ammann
1953	Aerial Photograph. Scale: 1"=555'	Flight Year: 1953	Park
1963	Aerial Photograph. Scale: 1"=555'	Flight Year: 1963	Cartwright
1976	Aerial Photograph. Scale: 1"=600'	Flight Year: 1976	AMI
1989	Aerial Photograph. Scale: 1"=666'	Flight Year: 1989	USGS
1995	Aerial Photograph. Scale: 1"=666'	Flight Year: 1995	USGS
2002	Aerial Photograph. Scale: 1"=666'	Flight Year: 2002	USGS

NQUIRY #: 1890880.5
YEAR: 1939
= 555'
N

NQUIRY #: 1890880.5
YEAR: 1946
= 655'
N

NQUIRY #: 1890880.5
YEAR: 1953
= 555'
N

NQUIRY #: 1890880.5
YEAR: 1963
= 555'
N

NQUIRY #: 1890880.5
YEAR: 1976
= 600'
N

NQUIRY #: 1890880.5
YEAR: 1989
= 666'
N

NQUIRY #: 1890880.5
YEAR: 1995
= 666'
N

NQUIRY #: 1890880.5
YEAR: 2002
= 666'
N

EDR® Environmental
Data Resources Inc

"Linking Technology with Tradition"®

Sanborn® Map Report

hip To: Rachel Schmidt
TRC Environmental
21 Technology Street
Irvine, CA 92618

Order Date: 3/29/2007 **Completion Date:** 3/29/2007
Inquiry #: 1890880.3
P.O. #: NA
Site Name: Orange Grove
Address: Hwy 76/Pala Del Norte Road
City/State: Pala, CA 92059
Cross Streets:

ustomer Project: NA
101165KEN 949-727-9336

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

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

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EDR Environmental Data Resources Inc

Real Estate Research & Information

The EDR Environmental Lien Search Report

ORANGE GROVE
HIGHWAY 76 AND PALA DEL NORTE ROAD
PALA, CALIFORNIA

Friday, April 20, 2007

Project Number: L07-02085

The Standard In Environmental Risk Management Information

440 Wheelers Farm Road
Milford, Connecticut 06460

Nationwide Customer Servic

Telephone: 1-800-352-0050
Fax: 1-800-231-6802

ENVIRONMENTAL LIEN REPORT

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied property 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' office, registries of deed, 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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This report was prepared for the use of Environmental Data Resources, Inc., and TRC Environmental Consultants, exclusively. This report is neither a guarantee of title, a commitment to insure, nor a policy of title insurance. **NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT.** Environmental Data Resources, Inc. (EDR) and Nationwide Environmental Title Research (NETR) specifically disclaim the making of any such warranties, including without limitation, merchantability or fitness for a particular use or purpose. The information contained in this report is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

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ENVIRONMENTAL LIEN REPORT

The EDR Environmental Lien Search Report is intended to assist in the search for environmental liens filed in land title records.

TARGET PROPERTY INFORMATION

ADDRESS

Orange Grove
Highway 76 and Pala Del Norte Road
Pala, California

RESEARCH SOURCE

Source: San Diego County Assessor
San Diego County Recorder

DEED INFORMATION

Type of Instrument: Grant Deed

Title is vested in: San Diego Gas and Electric Company

Title received from: Robert W. Driscoll, et ux

Deed Dated: 04/14/1970
Deed Recorded: 04/27/1970
Instrument: 71473

LEGAL DESCRIPTION

All that certain piece or parcel of land situated and lying in Sections 29 and 32, Township 9 South, Range 2 West, of the San Bernardino Principal Meridian, San Diego County, State of California

Assessor's Parcel Number(s): 110-072-26 and 110-370-01

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

The EDR-City Directory
Abstract

Orange Grove
10300 Pala Del Norte Road
Pala, CA 92059

Inquiry Number: 1890880.6

Monday, April 02, 2007

EDR® Environmental
Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR City Directory Abstract

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

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

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

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EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1980 through 2005. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: April 2, 2007

Target Property:
10300 Pala Del Norte Road
Pala, CA 92059

Year	Uses	Source
1980	Street Not Listed in Research Source	Haines Criss-Cross Directory
1985	Street Not Listed in Research Source	Haines Criss-Cross Directory
1990	Street Not Listed in Research Source	Haines Criss-Cross Directory
1995	Address Not Listed in Research Source	Haines Criss-Cross Directory
2000	Address Not Listed in Research Source	Haines Criss-Cross Directory
2005	Address Not Listed in Research Source	Haines Criss-Cross Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
Pala, CA 92059

Year	Uses	Source
1980	Street Not Listed in Research Source	Haines Criss-Cross Directory
1985	Street Not Listed in Research Source	Haines Criss-Cross Directory
1990	Street Not Listed in Research Source	Haines Criss-Cross Directory
1995	Address Not Listed in Research Source	Haines Criss-Cross Directory
2000	Address Not Listed in Research Source	Haines Criss-Cross Directory
2005	Address Not Listed in Research Source	Haines Criss-Cross Directory

APPENDIX C

SUBJECT PROPERTY PHOTOGRAPHIC LOG

PHOTOGRAPHIC REPORTING DATA SHEET

Client:	J Power	**Photographer:**	Josh Taylor
Project:	Phase I Environmental Site Assessment	**Location:**	Unincorporated San Diego County, California
Site Name:	10300 Block of Pala Road (SR 76)	**Date Taken:**	April 6, 2007

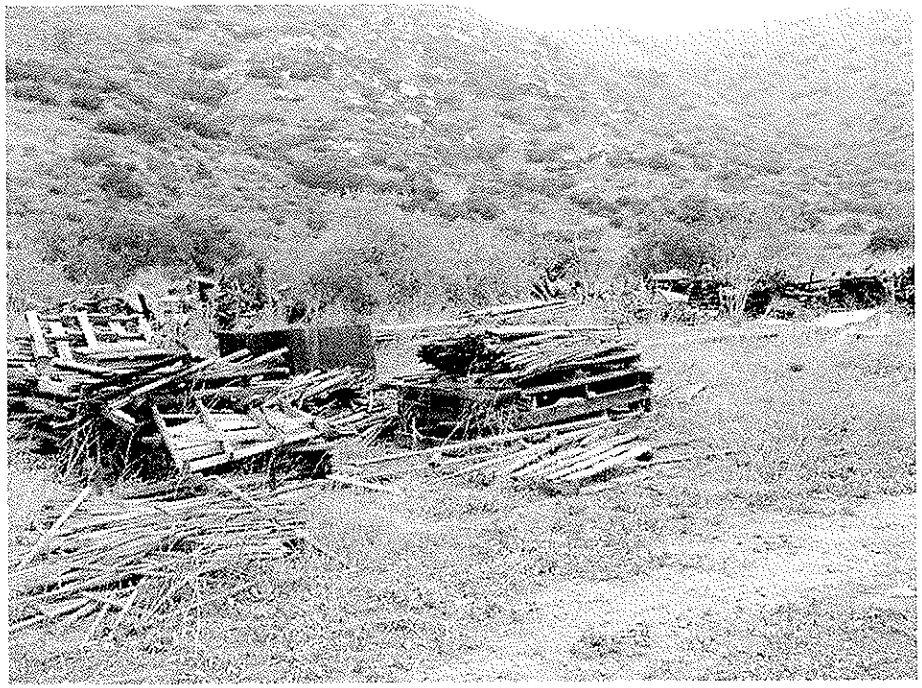

Photo Description:
Beginning of refuse piles located on the west end of the Subject Property.

Photo Description:
Northern end of the refuse piles located on the west end of the Subject Property.

PHOTOGRAPHIC REPORTING DATA SHEET

Client:	J Power	**Photographer:**	Josh Taylor
Project:	Phase I Environmental Site Assessment	**Location:**	Unincorporated San Diego County, California
Site Name:	10300 Block of Pala Road (SR 76)	**Date Taken:**	April 6, 2007

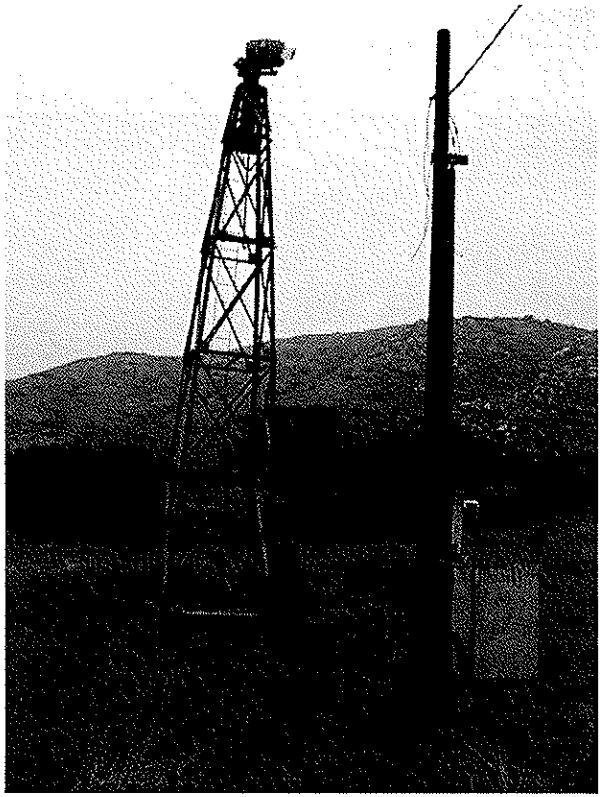

Photo Description:
Turbine and electrical transmission pole located on the eastern portion of the Subject Property.

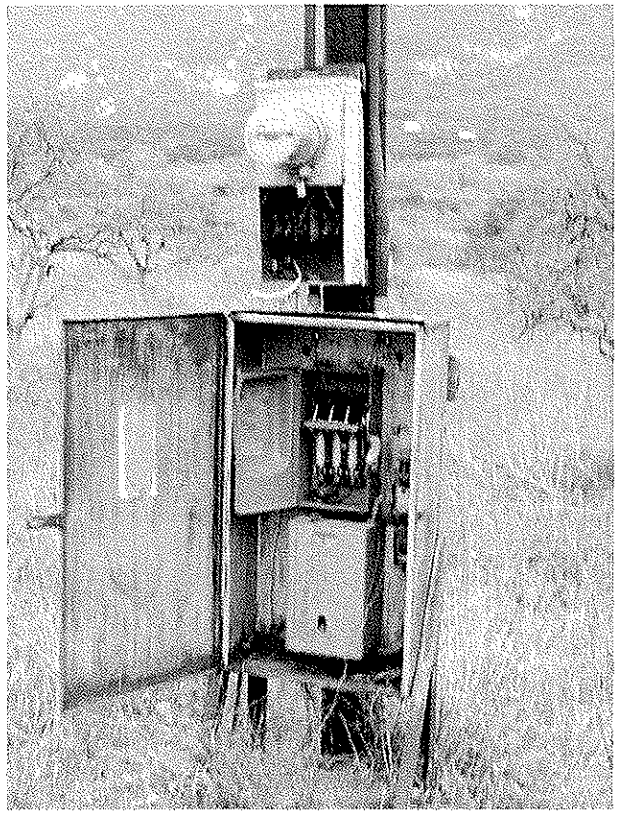

Photo Description:
View of the control box/electrical meter on the electrical transmission pole located on the eastern portion of the Subject Property.

PHOTOGRAPHIC REPORTING DATA SHEET

Client:	J Power	**Photographer:**	Josh Taylor
Project:	Phase I Environmental Site Assessment	**Location:**	Unincorporated San Diego County, California
Site Name:	10300 Block of Pala Road (SR 76)	**Date Taken:**	April 6, 2007

Photo Description:
Irrigation piping located in the citrus orchard.

Photo Description:
View east of citrus orchard (right) and the undeveloped hillside terrain (left).

PHOTOGRAPHIC REPORTING DATA SHEET

Client:	J Power	**Photographer:**	Josh Taylor
Project:	Phase I Environmental Site Assessment	**Location:**	Unincorporated San Diego County, California
Site Name:	10300 Block of Pala Road (SR 76)	**Date Taken:**	April 6, 2007

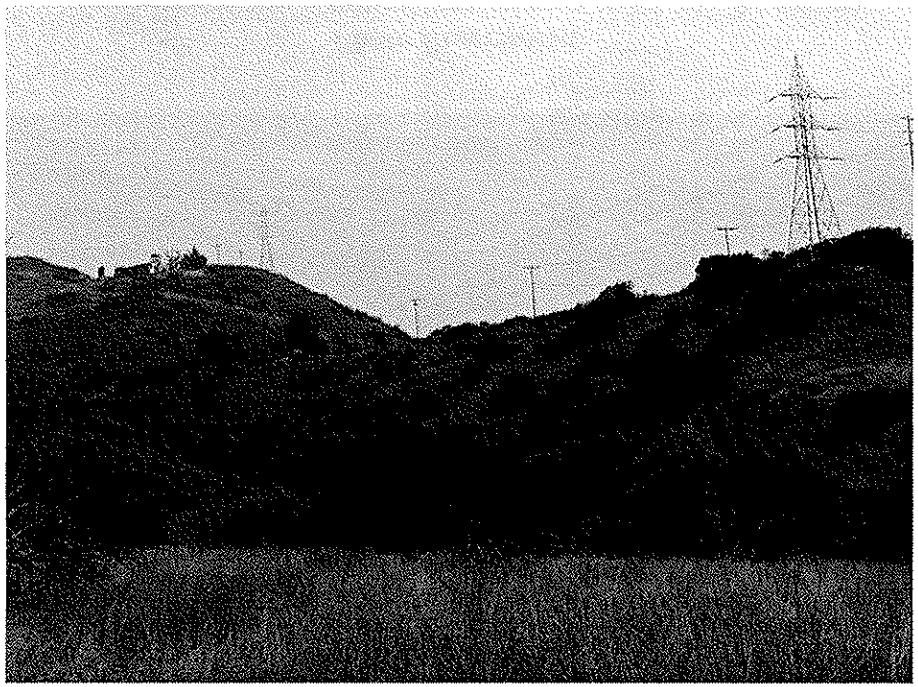

Photo Description:
View northeast of undeveloped hillside on the Subject Property and on adjacent lands including SDG&E transmission line easements and private residences.

Photo Description:
View east of distressed citrus trees in the foreground and undeveloped hillside terrain in the background.

PHOTOGRAPHIC REPORTING DATA SHEET

Client:	J Power	**Photographer:**	Josh Taylor
Project:	Phase I Environmental Site Assessment	**Location:**	Unincorporated San Diego County, California
Site Name:	10300 Block of Pala Road (SR 76)	**Date Taken:**	April 6, 2007

Photo Description:
View north of two electrical transmission poles and the eastern turbine.

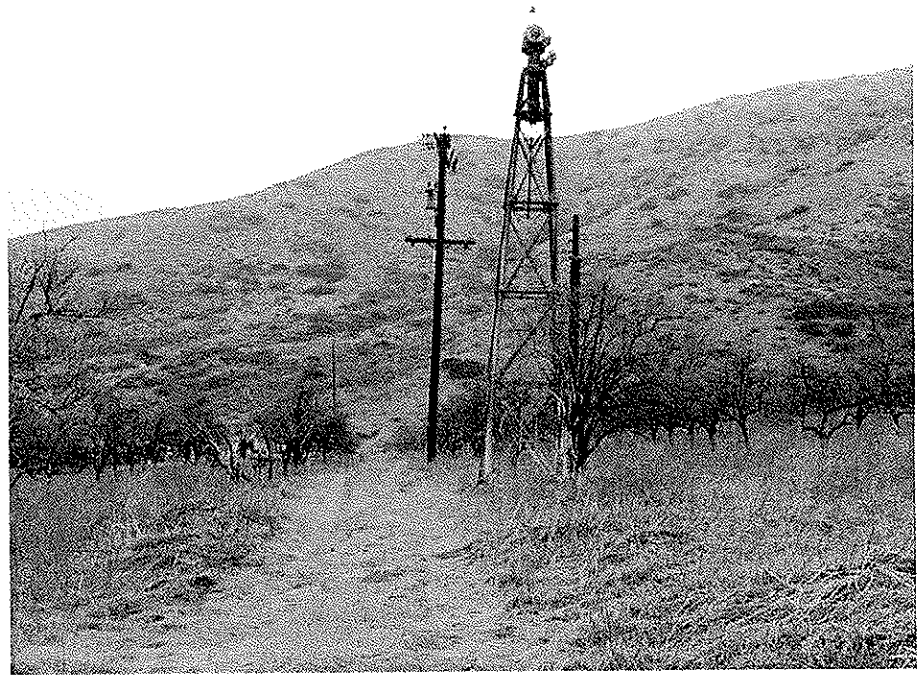

Photo Description:
View west of two electrical transmission poles and the western turbine.

PHOTOGRAPHIC REPORTING DATA SHEET

Client:	J Power	**Photographer:**	Josh Taylor
Project:	Phase I Environmental Site Assessment	**Location:**	Unincorporated San Diego County, California
Site Name:	10300 Block of Pala Road (SR 76)	**Date Taken:**	April 6, 2007

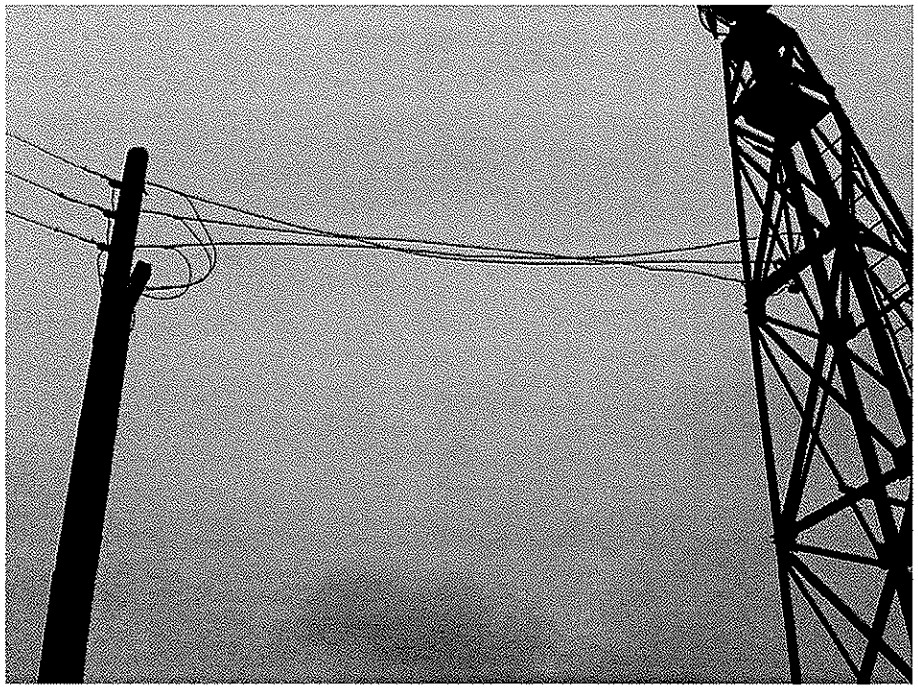

Photo Description:
Existing connection between the western turbine and the adjacent electrical transmission pole.

Photo Description:
View of the control box/electrical meter on the electrical transmission pole located on the middle portion of the Subject Property.

PHOTOGRAPHIC REPORTING DATA SHEET

Client:	J Power	**Photographer:**	Josh Taylor
Project:	Phase I Environmental Site Assessment	**Location:**	Unincorporated San Diego County, California
Site Name:	10300 Block of Pala Road (SR 76)	**Date Taken:**	April 6, 2007

Photo Description:
East end of the storage facility, looking south.

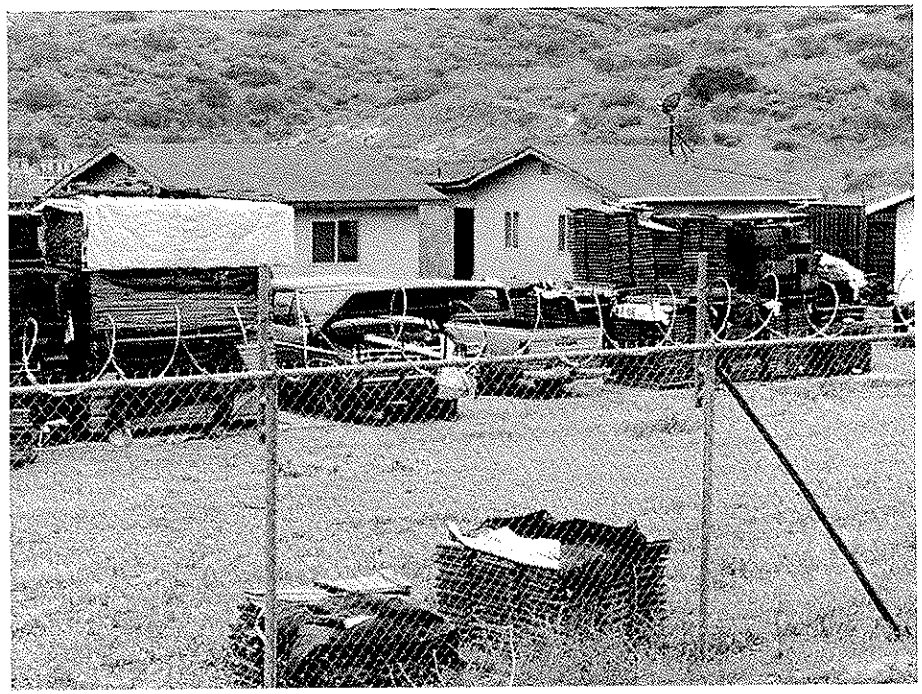

Photo Description:
Middle section of the storage facility, looking southwest.

PHOTOGRAPHIC REPORTING DATA SHEET

Client:	J Power	**Photographer:**	Josh Taylor
Project:	Phase I Environmental Site Assessment	**Location:**	Unincorporated San Diego County, California
Site Name:	10300 Block of Pala Road (SR 76)	**Date Taken:**	April 6, 2007

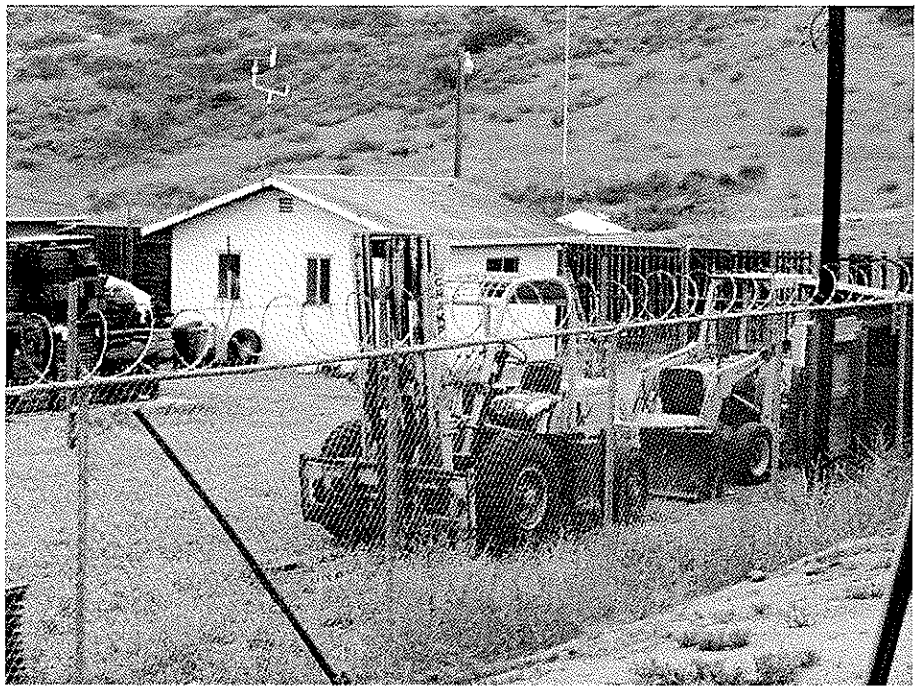

Photo Description:
West end of the storage facility, looking southwest.

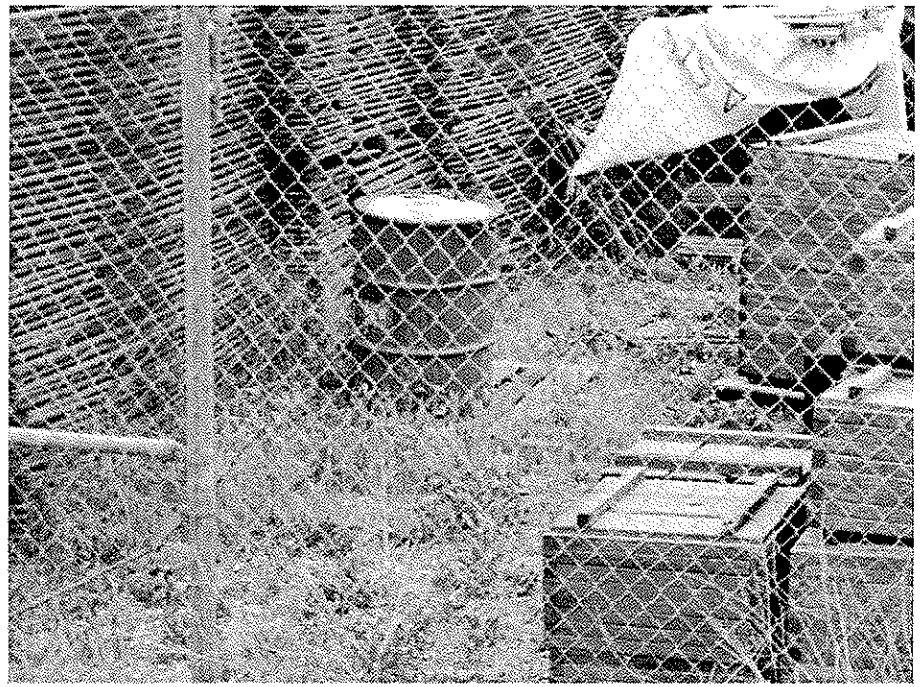

Photo Description:
Storage drum located at the east end of the storage facility.

PHOTOGRAPHIC REPORTING DATA SHEET

Client:	J Power	**Photographer:**	Josh Taylor
Project:	Phase I Environmental Site Assessment	**Location:**	Unincorporated San Diego County, California
Site Name:	10300 Block of Pala Road (SR 76)	**Date Taken:**	April 6, 2007

Photo Description:
Storage drums located on the west end of the storage facility.

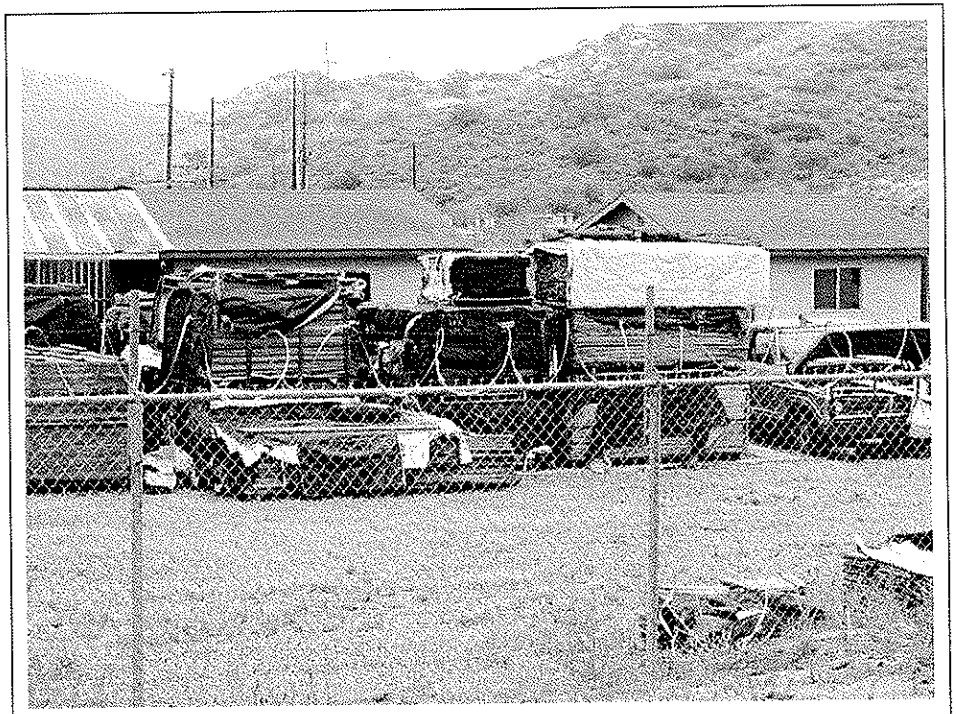

Photo Description:
Materials stockpile located in the middle section of the storage facility.

PHOTOGRAPHIC REPORTING DATA SHEET

Client:	J Power	**Photographer:**	Josh Taylor
Project:	Phase I Environmental Site Assessment	**Location:**	Unincorporated San Diego County, California
Site Name:	10300 Block of Pala Road (SR 76)	**Date Taken:**	April 6, 2007

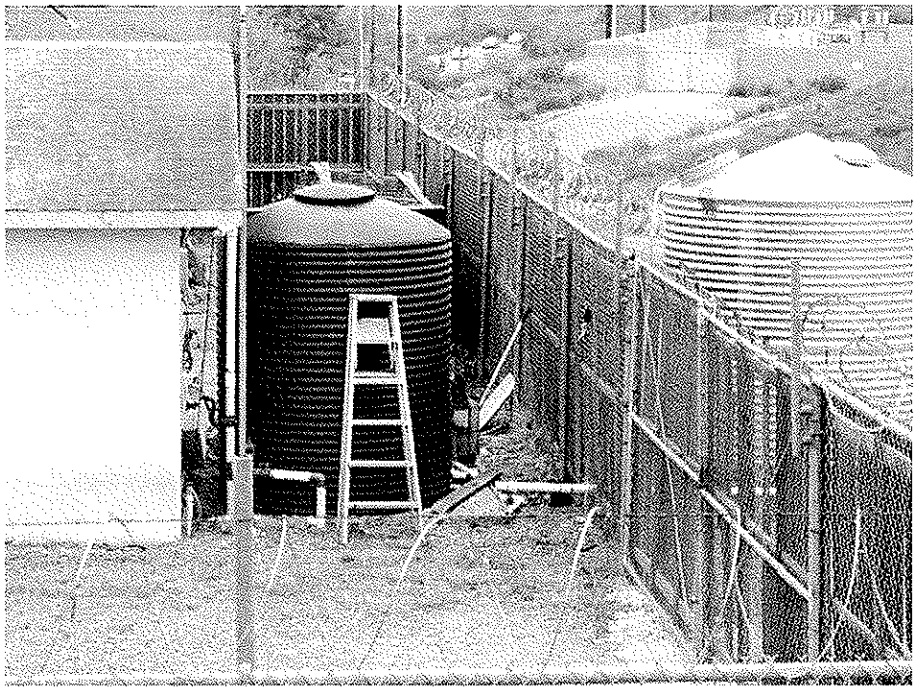

Photo Description:
Above ground storage tank (AST) located on the west end of the storage facility.

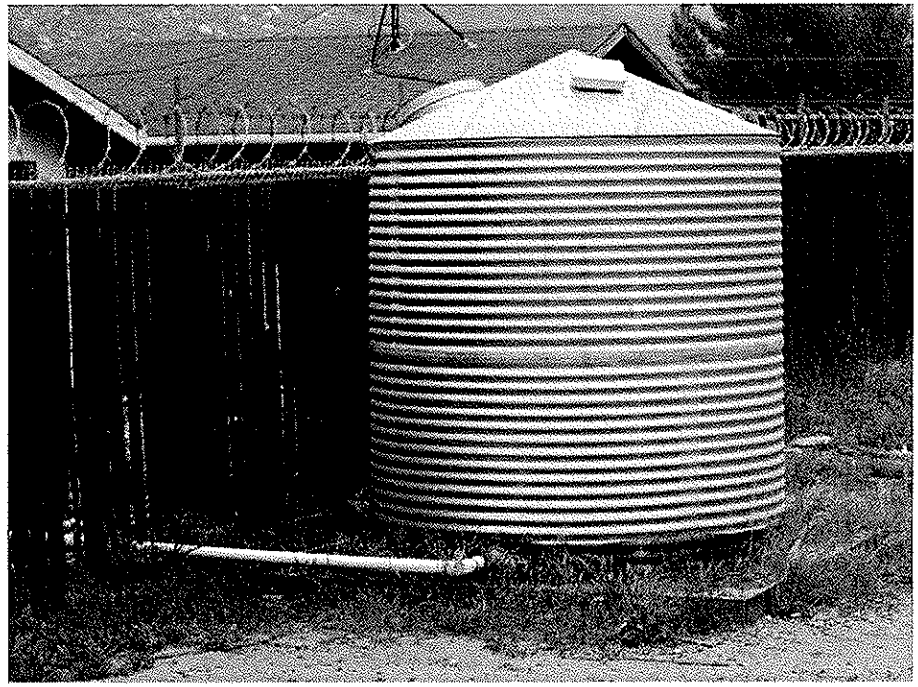

Photo Description:
AST located on the immediately outside of the west end of the storage facility.

PHOTOGRAPHIC REPORTING DATA SHEET

Client:	J Power	**Photographer:**	Josh Taylor
Project:	Phase I Environmental Site Assessment	**Location:**	Unincorporated San Diego County, California
Site Name:	10300 Block of Pala Road (SR 76)	**Date Taken:**	April 6, 2007

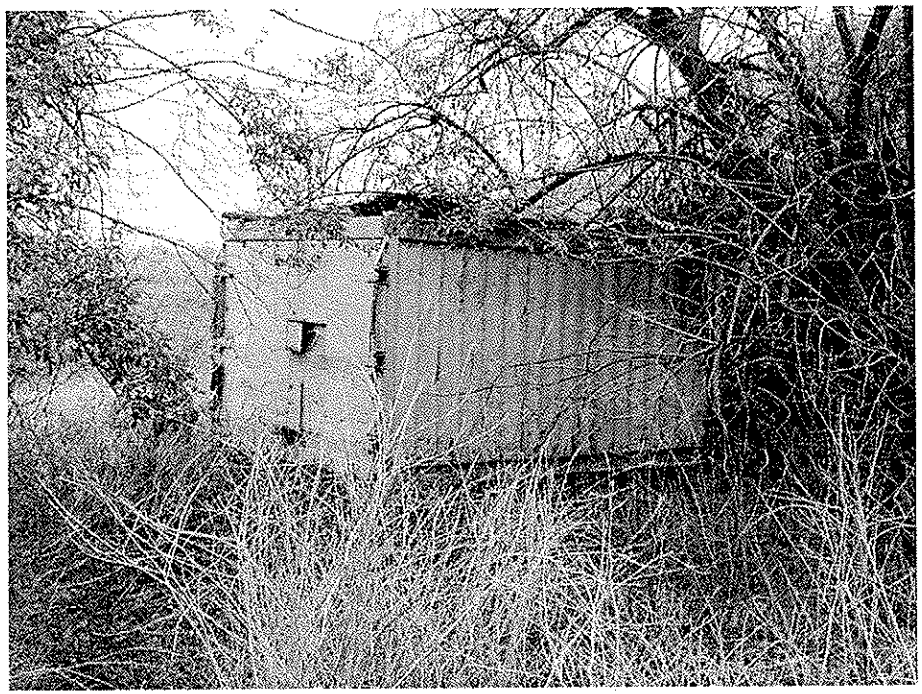

Photo Description:
Metal storage container located approximately 75 feet south of the storage facility.

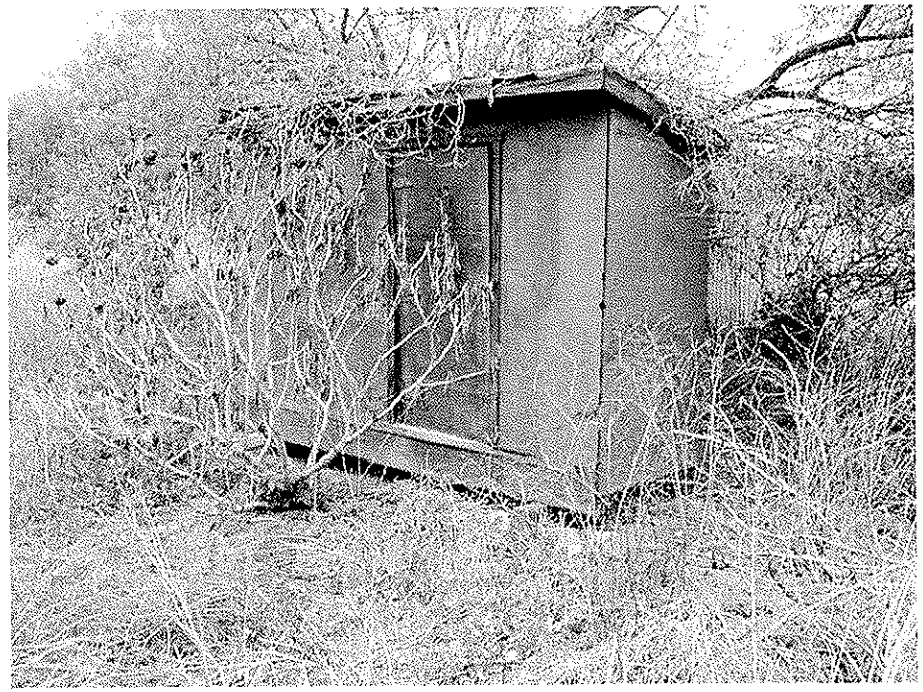

Photo Description:
Wooden storage shed located approximately 80 feet south of the storage facility.

PHOTOGRAPHIC REPORTING DATA SHEET

Client:	J Power	**Photographer:**	Josh Taylor
Project:	Phase I Environmental Site Assessment	**Location:**	Unincorporated San Diego County, California
Site Name:	10300 Block of Pala Road (SR 76)	**Date Taken:**	April 6, 2007

Photo Description:
Old paint can in the vicinity of the metal storage container located approximately 75 feet south of the storage facility.

Photo Description:
Remnants of an old car or piece of farm equipment located in the vicinity of the wooden storage shed located approximately 80 feet south of the storage facility.

PHOTOGRAPHIC REPORTING DATA SHEET

Client:	J Power	**Photographer:**	Josh Taylor
Project:	Phase I Environmental Site Assessment	**Location:**	Unincorporated San Diego County, California
Site Name:	10300 Block of Pala Road (SR 76)	**Date Taken:**	April 6, 2007

Photo Description:
Storm drain located immediately east of the Pala Substation.

Photo Description:
Manhole located immediately east of the Pala Substation.

PHOTOGRAPHIC REPORTING DATA SHEET

Client:	J Power	**Photographer:**	Josh Taylor
Project:	Phase I Environmental Site Assessment	**Location:**	Unincorporated San Diego County, California
Site Name:	10300 Block of Pala Road (SR 76)	**Date Taken:**	April 6, 2007

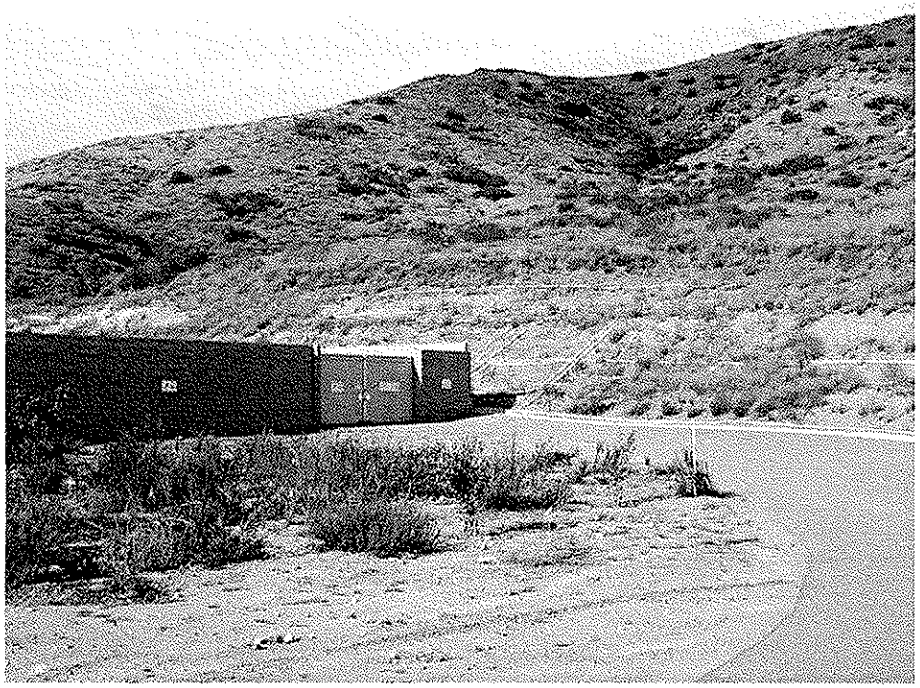

Photo Description:
Front of the SDG&E Pala Substation, looking northwest.

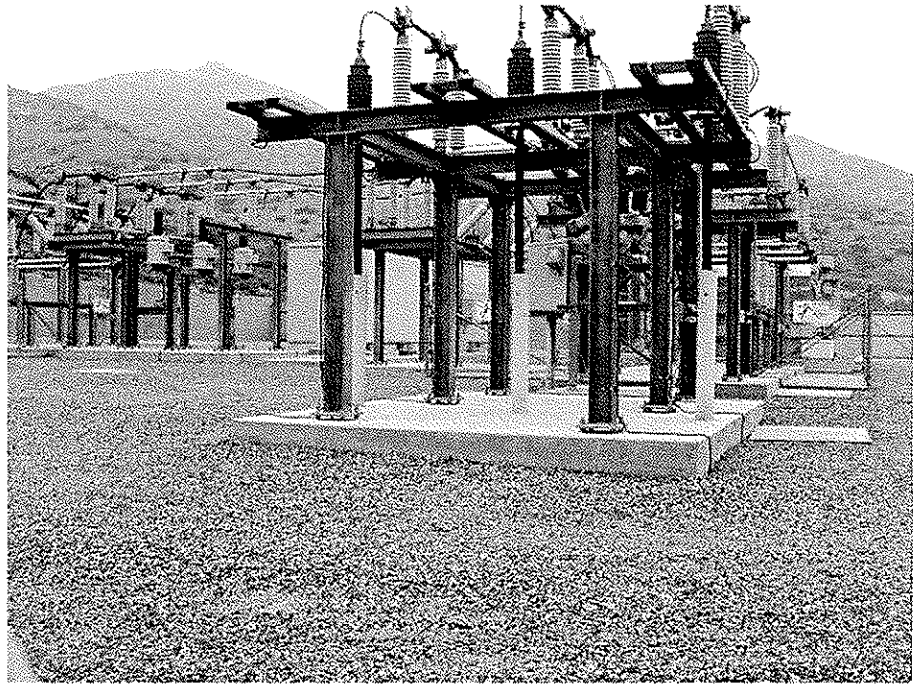

Photo Description:
View of inside of the Pala Substation from beyond the substation wall, looking east.

PHOTOGRAPHIC REPORTING DATA SHEET

Client:	J Power	**Photographer:**	Josh Taylor
Project:	Phase I Environmental Site Assessment	**Location:**	Unincorporated San Diego County, California
Site Name:	10300 Block of Pala Road (SR 76)	**Date Taken:**	April 6, 2007

Photo Description:
View of inside of the Pala Substation from beyond the substation wall, looking west.

Photo Description:
Small metal pump housing located immediately outside of the southeast corner of the Pala Substation walls.

APPENDIX D

TITLE REPORT

Chicago Title Company

Commercial/Industrial Division,
2365 Northside Drive, Suite 500, San Diego, CA 92108 (619) 521-3400

Title Department:

Chicago Title Company
Attn: Michael Brady
Email: bradym@ctt.com
Phone: (619) 521-3542
Fax: (619) 521-3605
Order No.: 73010216-U13

PRELIMINARY REPORT

Property Address: Pala Road
Pala, CA
apns 110-072-26-00
and 110-370-01-00

Dated as of: March 2, 2007 at 7:30 am

CHICAGO TITLE INSURANCE COMPANY hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a Policy or Policies of Title Insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an Exception in Schedule B or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations of said Policy forms.

The printed Exceptions and Exclusion from the coverage of said Policy or Policies are set forth in the attached list. Copies of the Policy forms are available upon request.

Please read the exceptions shown or referred to in Schedule B and the exceptions and exclusions set forth in the attached list of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered. It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects, and encumbrances affecting title to the land.

THIS REPORT (AND ANY SUPPLEMENTS OR AMENDMENTS HERETO) IS ISSUED SOLELY FOR THE PURPOSE OF FACILITATING THE ISSUANCE OF A POLICY OF TITLE INSURANCE AND NO LIABILITY IS ASSUMED HEREBY. IF IT IS DESIRED THAT LIABILITY BE ASSUMED PRIOR TO THE ISSUANCE OF A POLICY OF TITLE INSURANCE, A BINDER OR COMMITMENT SHOULD BE REQUESTED.

CALIFORNIA LAND TITLE ASSOCIATION STANDARD COVERAGE POLICY

SCHEDULE A

1. The estate or interest in the land hereinafter described or referred to covered by this report is:

   A fee

2. Title to said estate or interest at the date hereof is vested in:

   San Diego Gas and Electric Company, a California corporation

3. The land referred to in this report is situated in the State of California, County of San Diego and is described in the Legal Description, attached hereto:

END OF SCHEDULE A

LEGAL DESCRIPTION

PARCEL A: 110-072-26

THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29, TOWNSHIP 9 SOUTH, RANGE 2 WEST, SAN BERNARDINO BASE AND MERIDIAN, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLAT THEREOF.

EXCEPTING THEREFROM THAT LAND CONVEYED FROM THE SAN DIEGO GAS AND ELECTRIC COMPANY TO H.G. FENTON MATERIAL COMPANY, A CORPORATION BY DEED RECORDED JANUARY 6, 1998 AS FILE NO. 1998-003907 OF OFFICIAL RECORDS.

PARCEL B: 110-370-01

ALL THAT PORTION OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 32, TOWNSHIP 9 SOUTH, RANGE 2 WEST, SAN BERNARDINO BASE AND MERIDIAN, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO OFFICIAL PLAT THEREOF, LYING NORTH AND WEST OF A LINE DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF SAID NORTHWEST QUARTER OF NORTHEAST QUARTER OF SECTION 32; THENCE NORTH 45° EAST 20.24 CHAINS TO A POINT THAT IS 6.66 CHAINS WEST AND 6.66 CHAINS SOUTH OF NORTHEAST CORNER OF SAID NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 32; THENCE NORTHEAST IN A STRAIGHT LINE TO THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 32.

EXCEPTING THEREFROM THAT PORTION THEREOF DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID NORTHWEST QUARTER OF NORTHEAST QUARTER; THENCE NORTH 49°23'11" EAST – RECORD NORTH 45° EAST ALONG A LINE WHICH INTERSECTS A POINT THAT IS 6.66 CHAINS WEST AND 6.66 CHAINS SOUTH OF THE NORTHEAST CORNER OF SAID NORTHWEST QUARTER OF THE NORTHEAST QUARTER, A DISTANCE OF 394.65 FEET TO THE TRUE POINT OF BEGINNING; THENCE CONTINUING NORTH 49°23'11" EAST ALONG SAID LINE, A DISTANCE OF 983.39 FEET TO SAID POINT WHICH IS 6.66 CHAINS WEST AND 6.66 SOUTH OF SAID NORTHEAST CORNER OF SAID NORTHWEST QUARTER OF THE NORTHEAST QUARTER; THENCE EAST 52.69 FEET; THENCE NORTH 40°36'49" WEST 291.51 FEET TO A POINT IN A 1000 FOOT RADIUS CURVE, CONCAVE SOUTHEASTERLY; THE RADIAL LINE THROUGH SAID POINT BEARS NORTH 35°12'24" WEST, THENCE SOUTHWESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 8°23' A DISTANCE OF 146.32 FEET; THENCE TANGENT TO SAID CURVE, SOUTH 46°24'36" WEST 420.97 FEET TO THE BEGINNING OF A TANGENT 500 FOOT RADIUS CURVE, CONCAVE SOUTHEASTERLY; THENCE SOUTHWESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 34°17'45" A DISTANCE OF 299.29 FEET; THENCE TANGENT TO SAID CURVE SOUTH 12°06'51" WEST 226.22 FEET TO THE TRUE POINT OF BEGINNING.

ALSO EXCEPTING THEREFROM THAT LAND CONVEYED FROM THE SAN DIEGO GAS AND ELECTRIC COMPANY TO H.G. FENTON MATERIAL COMPANY, A CORPORATION BY DEED RECORDED JANUARY 6, 1998 AS FILE NO. 1998-003907 OF OFFICIAL RECORDS.

END OF LEGAL DESCRIPTION

SCHEDULE B

At the date hereof exceptions to coverage in addition to the printed Exceptions and Exclusions in the policy form designated on the face page of this Report would be as follows:

1. Taxes Not Assessed.

2. Possible state of Board of Equalization Taxes – no examination at this time.

3. The lien of supplemental taxes, if any, assessed pursuant to the provisions of Chapter 3.5 (commencing with Section 75) of the revenue and taxation code of the State of California

4. Water rights, claims or title to water, whether or not disclosed by the public records.

5. The rights of the public in and to that portion of the herein described land lying within Pala road and Pala Del Norte road.

6. The right of the public to use as a public highway that portion of the premises herein described lying within the boundaries of old Survey No. 120, made by O.N. Sanford, County Surveyor, in June 1884, and the Plat on file in the office of the County Surveyor of said San Diego County, said road being known as the "Pala and Monserate Road".

7. The rights of the public to use the portion of the premises herein described; lying within County Highway Commission, route no. 18, division 2, Bonsall to Warner's Ranch, according to the Official plat thereof on file in the Office of the County of Surveyor of said San Diego County.

8. The rights of the public to use any portion of the property herein described that may be included within the boundaries of the relocated California State Highway.

   By Resolution of the California Highway Commission passed and adopted July 28, 1939, those portions of the property herein described, if any, that may have been included in the former County Road XI-SD-195-BC; which was superceded by the original location of the California State Highway was abandoned by the State of California and Relinquished to the County of San Diego as a County Highway. A certified copy of said Resolutions was recorded August 15, 1939 in book 935, page 81 of official records.

9. Riparian rights, as reserved in deed from Griffith Henshaw and Irene R. Henshaw, husband and wife, and John Treanor and Catherine Elizabeth Treanor, husband and wife, to Frank M. Moreno and Mary Moreno, dated April 22, 1930 and recorded May 14, 1930 in book 1777, page 187 of Deeds,which recites, among other things, as follows:

   Provided further, however, that nothing contained in the foregoing reservations and exceptions shall be construed as preventing the second parties from sinking wells upon the lands herein conveyed and pumping of otherwise developing water therefrom for the sole purpose of irrigation of said lands and for domestic uses thereon, except and provided however, that such right to pump and/or use water from said land is and shall always be subject to the right of the first parties, their heirs, successors and assigns, to impound and divert water from said river, its tributaries, affluents and watershed by means of one of more dams and reservoirs, reserved and excepted as aforesaid.

SCHEDULE B
(continued)

10. An easement for the purpose shown below and rights incidental thereto as set forth in a document.

Granted To:	San Diego Gas and Electric Company
Purpose:	public utilities, ingress, egress
Recorded:	January 25, 1937 in book 613, page 217 of official records
Affects:	The route thereof affects a portion of said land and is more fully described in said document.

11. Trust Indenture dated October 10, 1940, executed by San Diego Gas and Electric Company, Trustor to the Bank of California National Association, as trustee, to secure bonds of said trustor, recorded on October 10, 1940, in book 1087, page 1 of official records, and all Indentures Supplemental Thereto.

Affects:	The herein described land and other land.

12. An easement for the purpose shown below and rights incidental thereto as set forth in a document.

Granted To:	San Diego Gas and Electric Company
Purpose:	public utilities, ingress, egress
Recorded:	May 12, 1952 in book 4465, page 10 of official records
Affects:	The route thereof affects a portion of said land and is more fully described in said document.

13. Portion of the Pala Agricultural Preserve No. 15 are disestablished as disclosed by document recorded July 15, 1976 as file no. 76-223214 of official records.

An Ordinance adding a new article CXIV to Ordinance No. 1402 (New Series), as amended, establishing Land Classifications, regulating the use of property, and providing for the adoption of sectional district map No. 80, Pala Section, San Diego County, by County of San Diego recorded January 3, 1972 as file no. 0643, of official records.

14. The fact the Assessors Office of San Diego County shown portions of said land as being in an Agricultural Preserve.

15. An easement for the purpose shown below and rights incidental thereto as set forth in a document.

Granted To:	Roy F. Moran
Purpose:	road purposes
Recorded:	August 24, 1979 as file no. 1979-0356622 of official records
Affects:	The route thereof affects a portion of said land and is more fully described in said document.

16. A document entitled "Easement Agreement", dated, January 6, 1998, executed by H.G. Fenton Material Company, a corporation and San Diego Gas and Electric Company, subject to all the terms, provisions and conditions therein contained, recorded January 6, 1998 as file no. 1998-0003909 of official records.

SCHEDULE B
(continued)

17. A document entitled "Right of Way Use Agreement", dated, January 6, 1998, executed by San Diego Gas and Electric Company and H.G. Fenton Material Company, subject to all the terms, provisions and conditions therein contained, recorded January 6, 1998 as file no. 1998-0003910 of official records.

18. Rights of parties in possession of said Land. Matters affecting the rights of said parties are not shown herein.

19. Matters which may be disclosed by an inspection or survey of said land or by inquiry of the parties of possession thereof.

END OF SCHEDULE B

INFORMATIONAL NOTES

Note No. 1: The policy of title insurance will include an arbitration provision. The Company or the insured may demand arbitration. Arbitrable matters may include, but are not limited to, any controversy or claim between the Company and the insured arising out of or relating to this policy, any service of the Company in connection with its issuance or the breach of a policy provision or other obligation. Please ask your escrow or title officer for a sample copy of the policy to be issued if you wish to review the arbitration provisions and any other provisions pertaining to your Title Insurance coverage.

Note No. 2: The requirement for submission to this Company of a resolution of the governing body of San Diego Gas and Electric Company authorizing the transaction for which this report has been requested together with a copy of such corporation's by laws. The resolution must designate the officers authorized to execute on the corporation's behalf.

JRS

CHICAGO TITLE INSURANCE COMPANY

Fidelity National Financial Group of Companies' Privacy Statement
July 1, 2001

We recognize and respect the privacy of today's consumers and the requirements of applicable federal and state privacy laws. We believe that making you aware of how we use your non-public personal information ("Personal Information"), and to whom it is disclosed, will form the basis for a relationship of trust between us and the public that we serve. This Privacy Statement provides that explanation. We reserve the right to change this Privacy Statement from time to time consistent with applicable privacy laws.

In the course of our business, we may collect Personal Information about you from the following sources:

- From applications or other forms we receive from you or your authorized representative;
- From your transactions with, or from the services being performed by, us, our affiliates or others;
- From our Internet web sites;
- From the public records maintained by government entities that we wither obtain directly from those entities, or from our affiliates or others; and
- From consumer or other reporting agencies

Our Policies Regarding The Protection Of The Confidentiality And Security Of Your Personal Information

We maintain physical, electronic and procedural safeguards to protect your Personal Information from unauthorized access or intrusion. We limit access to the Personal Information only to those employees who need such access in connection with providing products or services to you or for other legitimate business purposes.

Our Policies and Practices Regarding the Sharing of Your Personal Information

We may share your Personal Information with our affiliates, such as insurance companies, agents, and other real estate settlement service providers. We may also disclose your Personal Information:

- To agents, brokers or representatives to provide you with services you have requested;
- To third-party contractors or service providers who provide services or perform marketing or other functions on our behalf; and
- To others with whom we enter into joint marketing agreements for products or services that we believe you may find of interest.

In addition, we will disclose your Personal Information when your direct or give us permission, when we are required by law to do so, or when we suspect fraudulent or criminal activities. We also may disclose your Personal Information when otherwise permitted by applicable privacy laws such as, for example, when disclosure is needed to enforce our rights arising out of any agreement, transaction or relationship with you.

One of the important responsibilities of some of our affiliated companies is to record documents in the public domain. Such documents may contain your Personal Information.

Right To Access Your Personal Information And Ability To Correct Errors Or Request Change Or Deletion

Certain states afford you the right to access your Personal Information and, under certain circumstances, to find out to whom your Personal Information has been disclosed. Also, certain states afford you the right to request correction, amendment or deletion of your Personal Information. We reserve the right, where permitted by law, to charge a reasonable fee to cover the costs incurred in responding to such requests.

All requests must be made in writing to the following address:

Privacy Compliance Officer
Fidelity National Financial, Inc.
601 Riverside Drive
Jacksonville, FL 32204

Multiple Products or Services:

If we provide you with more than one financial product or service, you may receive more that one privacy notice from us. We apologize for any inconvenience this may cause you.

LIST OF PRINTED EXCEPTIONS AND EXCLUSIONS

CALIFORNIA LAND TITLE ASSOCIATION STANDARD COVERAGE POLICY – 1990

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.

   (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.

2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.

3. Defects, liens, encumbrances, adverse claims or other matters:

   (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;

   (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;

   (c) resulting in no loss or damage to the insured claimant;

   (d) attaching or created subsequent to Date of Policy; or resulting in loss or damage which would not have been sustained if the insured claimant had paid value for he insured mortgage or for the estate or interest insured by this policy.

4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.

5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.

6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

EXCEPTIONS FROM COVERAGE – SCHEDULE B, PART I

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.

   Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.

2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of the land which may be asserted by persons in possession thereof.

3. Easements, liens or encumbrances, or claims thereof, which are not shown by the public records.

4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.

5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.

AMERICAN LAND TITLE ASSOCIATION RESIDENTIAL TITLE INSURANCE POLICY (6-1-87)

EXCLUSIONS

In addition to the Exceptions in Schedule B, you are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of any law or government regulation. This includes building and zoning ordinances and also laws and regulations concerning:

   - land use
   - improvements on the land
   - land division
   - environmental protection

   This exclusion does not apply to violations or the enforcement of these matters which appear in the public records at Policy Date. This exclusion does not limit the zoning coverage described in Items 12 and 13 of Covered Title Risks.

2. The right to take the land by condemning it, unless:

   - a notice of exercising the right appears in the public records on the Policy Date
   - the taking happened prior to the Policy Date and is binding on you if you bought the land without knowing of the taking

3. Title Risks:

   - that are created, allowed, or agreed to by you
   - that are known to you, but not to us, on the Policy Date -- unless they appeared in the public records
   - that result in no loss to you
   - that first affect your title after the Policy Date -- this does not limit the labor and material lien coverage in Item 8 of Covered Title Risks

4. Failure to pay value for your title.

5. Lack of a right:

   - to any land outside the area specifically described and referred to in Item 3 of Schedule A

     OR

   - in streets, alleys, or waterways that touch your land

This exclusion does not limit the access coverage in Item 5 of Covered Title Risks.

EXCEPTIONS FROM COVERAGE

In addition to the Exclusions, you are not insured against loss, cost, attorneys' fees and expenses resulting from:

1. Someone claiming an interest in your land by reason of:

   A. Easements not shown in the public records
   B. Boundary disputes not shown in the public records
   C. Improvements owned by your neighbor placed or you land

2. If, in addition to a single family residence, your existing structure consists of one or more Additional Dwelling Units, Item 12 of Covered Title Risks does not insure you against loss costs attorneys' fees, and expenses resulting from:

   A. The forced removal of any Additional Dwelling Unit, or,
   B. The forced conversion of any Additional Dwelling Unit back to its original use.

   if said Additional Dwelling Unit was either constructed or converted to use as a dwelling unit in violation of any law or government regulation.

CALIFORNIA LAND TITLE ASSOCIATION HOMEOWNER'S POLICY OF TITLE INSURANCE (6/2/98)

CLTA HOMEOWNER'S POLICY OF TITLE INSURANCE (6/2/98)
ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE (10/17/98)

EXCLUSIONS

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

1. Governmental police power, and the existence or violation of any law or government regulation. This includes ordinances, laws and regulations concerning:

   a. Building

   b. Zoning

   c. Land use

   d. Improvements on Land

   e. Land division

   f. Environmental protection

   This Exclusion does not apply to violations or the enforcement of these matters if notice of the violation or enforcement appears in the Public Records at the Policy Date.

   This Exclusion does not limit the coverage described in Covered Risk 14, 15, 16, 17, or 24.

2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not apply to violations of building codes if notice of the violation appears in the Public Records at the Policy Date.

3. The right to take the Land by condemning it, unless:

   a. notice of exercising the right appears in the Public Records at the Policy Date; or

   b. the taking happened before the Policy Date and is binding on You if You bought the Land without Knowing of the taking.

4. Risks:

   a. that are created, allowed, or agreed to by You, whether or not they appear in the Public Records;

   b. that are Known to You at the Policy Date, but not to Us, unless they appear in the Public Records at the Policy Date;

   c. that result in no loss to You; or

   d. that first occur after the Policy Date - this does not limit the coverage described in Covered Risk 7, 8.d, 22, 23, 24 or 25.

5. Failure to pay value for Your Title.

6. Lack of a right:

   a. to any Land outside the area specifically described and referred to in paragraph 3 of Schedule A; and

   b. in streets, alleys, or waterways that touch the Land.

   This Exclusion does not limit the coverage described in Covered Risk 11 or 18.

AMERICAN LAND TITLE ASSOCIATION LOAN POLICY (10-17-92)
WITH ALTA ENDORSEMENT – FORM 1 COVERAGE
and
AMERICAN LAND TITLE ASSOCIATION LEASEHOLD LOAN POLICY (10-17-92)
WITH ALTA ENDORSEMENT – FORM 1 COVERAGE

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building and zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating to (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.

   (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.

2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.

3. Defects, liens, encumbrances, adverse claims or other matters:

   (a) created, suffered, assumed or agreed to by the insured claimant;

   (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;

   (c) resulting in no loss or damage to the insured claimant;

   (d) attaching or created subsequent to Date of Policy (except to the extent that this policy insures the priority of the lien of the insured mortgage over any statutory lien for services, labor or material or to the extent insurance is afforded herein as to assessments for street improvements under construction or completed at Date of Policy); or

   (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage.

4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with applicable doing business laws of the state in which the land is situated.

5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.

6. Any statutory lien for services, labor or materials (or the claim of priority of any statutory lien for services, labor or materials over the lien of the insured mortgage) arising from an improvement or work related to the land which is contracted for and commenced subsequent to Date of Policy and is not financed in whole or in part by proceeds of the indebtedness secured by the insured mortgage which at Date of Policy the insured has advanced or is obligated to advance.

7. Any claim, which arises out of the transaction creating the interest of the mortgagee insured by this policy, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that is based on:
   (i) the transaction creating the interest of the insured mortgagee being deemed a fraudulent conveyance or fraudulent transfer; or
   (ii) the subordination of the interest of the insured mortgagee as a result of the application of the doctrine or equitable subordination; or
   (iii) the transaction creating the interest of the insured mortgagee being deemed a preferential transfer except where the preferential transfer results from the failure:
      (a) to timely record the instrument of transfer; or
      (b) of such recordation to impart notice to a purchaser for value or a judgment or lien creditor.

The above policy forms may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following General Exceptions:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.

   Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.

2. Any facts, rights, interests or claims which are not shown by the public records but which could be ascertained by an inspection of the land or by making inquiry of persons in possession thereof.

3. Easements, liens or encumbrances, or claims thereof, which are not shown by the public records.

4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.

5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.

AMERICAN LAND TITLE ASSOCIATION OWNER'S POLICY (10-17-92)
and
AMERICAN LAND TITLE ASSOCIATION LEASEHOLD OWNER'S POLICY (10-17-92)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building and zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating to (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.

   (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.

2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.

3. Defects, liens, encumbrances, adverse claims or other matters:

   (a) created, suffered, assumed or agreed to by the insured claimant;

   (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;

   (c) resulting in no loss or damage to the insured claimant;

   (d) attaching or created subsequent to Date of Policy; or

   (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the estate or interest insured by this policy.

4. Any claim, which arises out of the transaction vesting in the insured the estate or interest insured by this policy, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that is based on:

   (i) the transaction creating the estate or interest insured by this policy being deemed a fraudulent conveyance or fraudulent transfer; or

   (ii) the transaction creating the estate or interest insured by this policy being deemed a preferential transfer except where the preferential transfer results from the failure:

      (a) to timely record the instrument of transfer; or

      (b) of such recordation to impart notice to a purchaser for value or a judgment or lien creditor.

The above policy forms may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage Policy will also include the following General Instructions:

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.

   Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.

2. Any facts, rights, interests or claims which are not shown by the public records but which could be ascertained by an inspection of the land or by making inquiry of persons in possession thereof.

3. Easements, liens or encumbrances, or claims thereof, which are not shown by the public records.

4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.

5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.

ALTA EXPANDED COVERAGE RESIDENTIAL LOAN POLICY (10/13/01)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building and zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating to (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.

   (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.

2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.

3. Defects, liens, encumbrances, adverse claims or other matters:

   (a) created, suffered, assumed or agreed to by the insured claimant;

   (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;

   (c) resulting in no loss or damage to the insured claimant;

   (d) attaching or created subsequent to Date of Policy (except to the extent that this policy insures the priority of the lien of the insured mortgage over any statutory lien for services, labor or material or to the extent insurance is afforded herein as to assessments for street improvements under construction or completed at Date of Policy); or

   (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage.

4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with applicable doing business laws of the state in which the land is situated.

5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.

6. Real property taxes or assessments of any governmental authority which become a lien on the Land subsequent to Date of Policy. This exclusion does not limit the coverage provided under Covered Risks 7, 8(e) and 26.

7. Any claim of invalidity, unenforceability or lack of priority of the lien of the Insured Mortgage as to advances or modifications made after the insured has knowledge that the vestee shown in Schedule A is no longer the owner of the estate or interest covered by this policy. This exclusion does not limit the coverage provided in Covered Risk 8.

8. Lack of priority of the lien of the insured Mortgage as to each and every advance made after Date of Policy, and all interest charged thereon, over liens, encumbrances and other matters affecting the title, the existence of which are known to the insured at:

   (a) The time of the advance; or

   (b) The time a modification is made to the terms of the Insured Mortgage which changes the rate of interest charged, if the rate of interest is greater as a result of the modification than it would have been before the modification. This exclusion does not limit the coverage provided in Covered Risk 8.

9. The failure of the residential structure, or any portion thereof to have been constructed before, on or after Date of Policy in accordance with applicable building codes. This exclusion does not apply to violations of building codes if notice of the violation appears in the Public Records at Date of Policy.

APPENDIX E

PROFESSIONAL RESUME

TRC

JAMES FERRARA, PG

EDUCATION
B.S., Geological Science, California State University Fullerton, 1996

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS
Professional Geologist, California, (#8260), 2006

AREAS OF EXPERTISE
Mr. James Ferrara, PG has over 10 years experience in performing landfill clean closure, excavation oversight, permitting and permit compliance, site assessments, and soil and groundwater remediation. Additional areas of expertise include:

- Construction Management
- Project Oversight
- Phase II Subsurface Investigations
- Phase III Remedial Excavation
- Remedial Excavation and Disposal
- Underground Storage Tank Activities
- Remedial System Design and Installation
- Remedial System Operation and Maintenance
- Permitting and Permit Compliance
- Pipeline Demolition and Replacement

REPRESENTATIVE EXPERIENCE
Mr. Ferrara is a Senior Project Geologist and has overseen numerous excavation projects. He has overseen individual remediation and landfill clean closure projects that have removed up to 175,000 cubic yards of soil. Mr. Ferrara is also experienced in soil screening operations and the mixing and blending of soil with competent soils for reuse as structural foundations and to meet regulatory environmental guidelines. He is experienced with California Environmental Quality Act compliance, South Coast Air Quality Management District Rules 1166, 401, 402 and 403 compliance, and Stormwater Best Management Practices. Mr. Ferrara is experienced in South Coast Air Quality Management Site Specific Rule 1166 permitting and local government grading and excavation permitting. He has conducted project management and field activities for subsurface investigations and remedial excavations involving contaminants such as refined petroleum products, crude oil, industrial solvents, metals, polycyclic aromatic hydrocarbons, polychlorinated biphenyl's, perchlorate, general minerals, herbicides, and pesticides. Mr. Ferrara has also designed, permitted, and constructed remediation systems, including in-situ vapor extraction and groundwater treatment systems.

Former City of Rialto Disposal Site - Rialto, CA
Mr. Ferrara serves as Project Manager and Construction Manager for the clean closure of the former city disposal site for development of the property as a bio-solid treatment facility. He is responsible for all aspects of the project related to bid preparation and specifications, costing and budgeting, contractor procurement and oversight, environmental and geotechnical sampling, agency interaction, and clean closure activities. Highlights of the project include the excavation, screening, and separation of 150,000 cubic yards of landfill material. The majority of unusable material was separated, sorted, and recycled. Material deemed reusable as backfill was blended with an additional 40,000 cubic yards of clean granular material to meet environmental and geotechnical requirements. Backfilling activities involved the placement of 225,000 cubic yards of material to meet the proposed redevelopment building specifications.

ConocoPhillips Company, Harbor Pipeline Assessment Project - Port of Los Angeles, CA
Mr. Ferrara served as Project Manager for the decommissioning of Berth 46 and the Harbor Pipeline Assessment Project. He was responsible for the removal of petroleum related real estate and pipelines at Berth 46, and 4.5 miles of petroleum pipeline assessment activities from Berth 46 to the Tosco Wilmington Refinery. Additional responsibilities included: assessment and removal activities, permitting, project coordination, and preparation of site assessment report. The Port of Los Angeles provided regulatory oversight.

ConocoPhillips Company, 76 Station 1000 - Los Angeles, CA
Mr. Ferrara served as Senior Project Geologist for remedial excavation for property redevelopment. His project activities involved procurement of a site specific South Coast Air Quality Management District Rule 1166 Permit and City of Los Angeles grading and shoring permits. Field oversight coordination activities involved temporary shoring installation, remedial soil excavation, air quality monitoring and soil sampling, soil disposal characterization, and coordination and surveying. In addition, suitable soil was located and imported for property development geotechnical and environmental requirements.

ConocoPhillips Company, Former Bulk Fuel Storage Facility - Los Angeles, CA
Mr. Ferrara served as the General Superintendent for remedial excavation involving redevelopment to commercial property. His project activities involved procurement of a site specific South Coast Air Quality Management District Rule 1166 Permit. Field oversight coordination activities involved temporary shoring installation, remedial soil excavation, air quality monitoring and soil sampling, soil disposal characterization, and coordination and surveying. The project involved the removal of approximately 25,000 tons of hydrocarbon affected soil, the additional excavation of 50,000 tons of clean soil, and the importation of clean soil to elevate to property to the appropriate grade.

ConocoPhillips Company, Remedial Excavation Projects - Various Sites in Southern CA
Mr. Ferrara served as Project Manager for various service stations and remedial excavation projects in Southern California. He conducted site assessment activities, remedial well installation, UST removal, associated pipeline sampling activities, and large-scale excavation projects. Mr. Ferrara was responsible for the design and installation of several air sparge and C-Sparge remedial systems.

Burlington Northern and Santa Fe Railroad Company, Former Macy Street Site - Los Angeles, CA (
Mr. Ferrara served as Construction Manager for remedial excavation involving redevelopment to commercial property. His project activities involved the oversight of permanent shoring installation, remedial soil excavation, air quality monitoring and soil sampling, soil disposal characterization, and coordination. The project involved the removal of approximately 32,000 tons of polynuclear aromatic hydrocarbons and hydrocarbon affected soil. Approximately 4,000 tons of concrete and miscellaneous debris were sorted and disposed at Class II and III facilities. Additional responsibilities included the procurement of soil suitable for backfill at the site.

Southern California Gas Company, Former Dunlap Well Site - Playa Del Rey, CA
Mr. Ferrara served as Project Manager for redevelopment of a former oil well site to residential use property. His project activities involved contractor selection and oversight for removal of oil well vault and related pipelines and structures. Contractor activities included the sampling and abatement of lead and asbestos, remedial soil excavation, air quality monitoring and soil sampling, soil disposal characterization, and post remediation soil gas surveying.

Voit Development Company, Former Kwikset Facility - Anaheim, CA
Mr. Ferrara served as Project Manager for Initial Site Investigation Activities. He was responsible for locating and investigating industrial and residential areas of concern within the 16-acre site. Mr. Ferrara delineated the horizontal and vertical extent of solvents, metals, cyanide, polynuclear aromatic hydrocarbons, pesticides, and polychlorinated biphenyls. Additionally, he prepared a site investigation report for industrial and residential use of the property.

Burlington Northern Santa Fe Railroad, Griggs Site - Needles, CA
Mr. Ferrara performed liquid phase hydrocarbon and groundwater assessment activities at a former Union Oil Bulk Plant Facility to access vertical and horizontal migration of hydrocarbon contaminants. His assessment activities included borings, soil sampling, and laboratory and data analysis. Regulatory oversight was provided by the County of Riverside Department of Environmental Health SLIC Program.

Former International Light Metals Facility, Groundwater Assessment - Torrance, CA
Mr. Ferrara performed groundwater assessment activities in three different saturated zones for industrial solvents and hexvalent chromium at the former facility grounds, to access vertical and horizontal migration of contaminants. His assessment activities included soil borings utilizing a cone penetration test rig and the use of hollow stem auger drilling techniques through multiple saturated zones using conductor casing to assess soil and groundwater.

City of Blythe, Groundwater Monitoring – Blythe, CA
Mr. Ferrara serves as Project Manager for groundwater monitoring at the City of Blythe Public Works Yard. His project activities include: offsite contaminate plume investigation, semi-annual groundwater monitoring events, and UST reimbursement document preparation.

City of Santa Ana, Groundwater Assessments – Santa Ana, CA
Mr. Ferrara serves as Project Manager for various city sites. His project activity oversight includes environmental soil and groundwater assessment, lead and asbestos assessment, acoustic surveying, geotechnical assessment, and permitting.

SPECIALIZED TRAINING

- 40-Hour OSHA Hazardous Waste Health and Safety Training Course, 2006
- 8-Hour OSHA Hazardous Waste H&S Training Course, 2006

TRC

APPENDIX C

CURRENT EDR REPORTS

Orange Grove
Hwy 76/Pala Del Norte Road
Pala, CA 92059

Inquiry Number: 2231022.1s
May 29, 2008

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

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

FORM-NULL-COU

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

TARGET PROPERTY INFORMATION

ADDRESS

HWY 76/PALA DEL NORTE ROAD
PALA, CA 92059

COORDINATES

Latitude (North):	33.357800 - 33' 21' 28.1"
Longitude (West):	117.111100 - 117' 6' 40.0"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	489663.4
UTM Y (Meters):	3690767.0
Elevation:	379 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	33117-C1 PALA, CA
Most Recent Revision:	1988
North Map:	33117-D1 PECHANGA, CA
Most Recent Revision:	1988
West Map:	33117-C2 BONSALL, CA
Most Recent Revision:	1975

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:

FEDERAL RECORDS

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

EXECUTIVE SUMMARY

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
LIENS 2..... CERCLA Lien Information
CORRACTS..... Corrective Action Report
RCRA-TSDF..... RCRA - Transporters, Storage and Disposal
RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator
RCRA-NonGen..... RCRA - Non Generators
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls
ERNS..... Emergency Response Notification System
HMIRS..... Hazardous Materials Information Reporting System
DOT OPS..... Incident and Accident Data
US CDL..... Clandestine Drug Labs
US BROWNFIELDS..... A Listing of Brownfields Sites
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
LUCIS..... Land Use Control Information System
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS..... Section 7 Tracking Systems
ICIS..... Integrated Compliance Information System
PADS..... PCB Activity Database System
MLTS..... Material Licensing Tracking System
RADINFO..... Radiation Information Database
FINDS..... Facility Index System/Facility Registry System
RAATS..... RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HIST Cal-Sites..... Historical Calsites Database
CA BOND EXP. PLAN..... Bond Expenditure Plan
SCH..... School Property Evaluation Program
Toxic Pits..... Toxic Pits Cleanup Act Sites
SWF/LF..... Solid Waste Information System
CA WDS..... Waste Discharge System
WMUDS/SWAT..... Waste Management Unit Database
Cortese..... "Cortese" Hazardous Waste & Substances Sites List
SWRCY..... Recycler Database
LUST..... Geotracker's Leaking Underground Fuel Tank Report
CA FID UST..... Facility Inventory Database
SLIC..... Statewide SLIC Cases
UST..... Active UST Facilities
HIST UST..... Hazardous Substance Storage Container Database
AST..... Aboveground Petroleum Storage Tank Facilities

EXECUTIVE SUMMARY

LIENS..... Environmental Liens Listing
SWEEPS UST..... SWEEPS UST Listing
CHMIRS..... California Hazardous Material Incident Report System
Notify 65..... Proposition 65 Records
DEED..... Deed Restriction Listing
VCP..... Voluntary Cleanup Program Properties
DRYCLEANERS..... Cleaner Facilities
WIP..... Well Investigation Program Case List
CDL..... Clandestine Drug Labs
San Diego Co. HMMD..... Hazardous Materials Management Division Database
RESPONSE..... State Response Sites
HAZNET..... Facility and Manifest Data
AIRS..... Emissions Inventory Data
SAN DIEGO CO. SAM..... Environmental Case Listing
HAULERS..... Registered Waste Tire Haulers Listing
ENVIROSTOR..... EnviroStor Database

TRIBAL RECORDS

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
INDIAN UST..... Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

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.

TRIBAL RECORDS

INDIAN RESERV: This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

A review of the INDIAN RESERV list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 INDIAN RESERV site within approximately 1 mile of the target property.

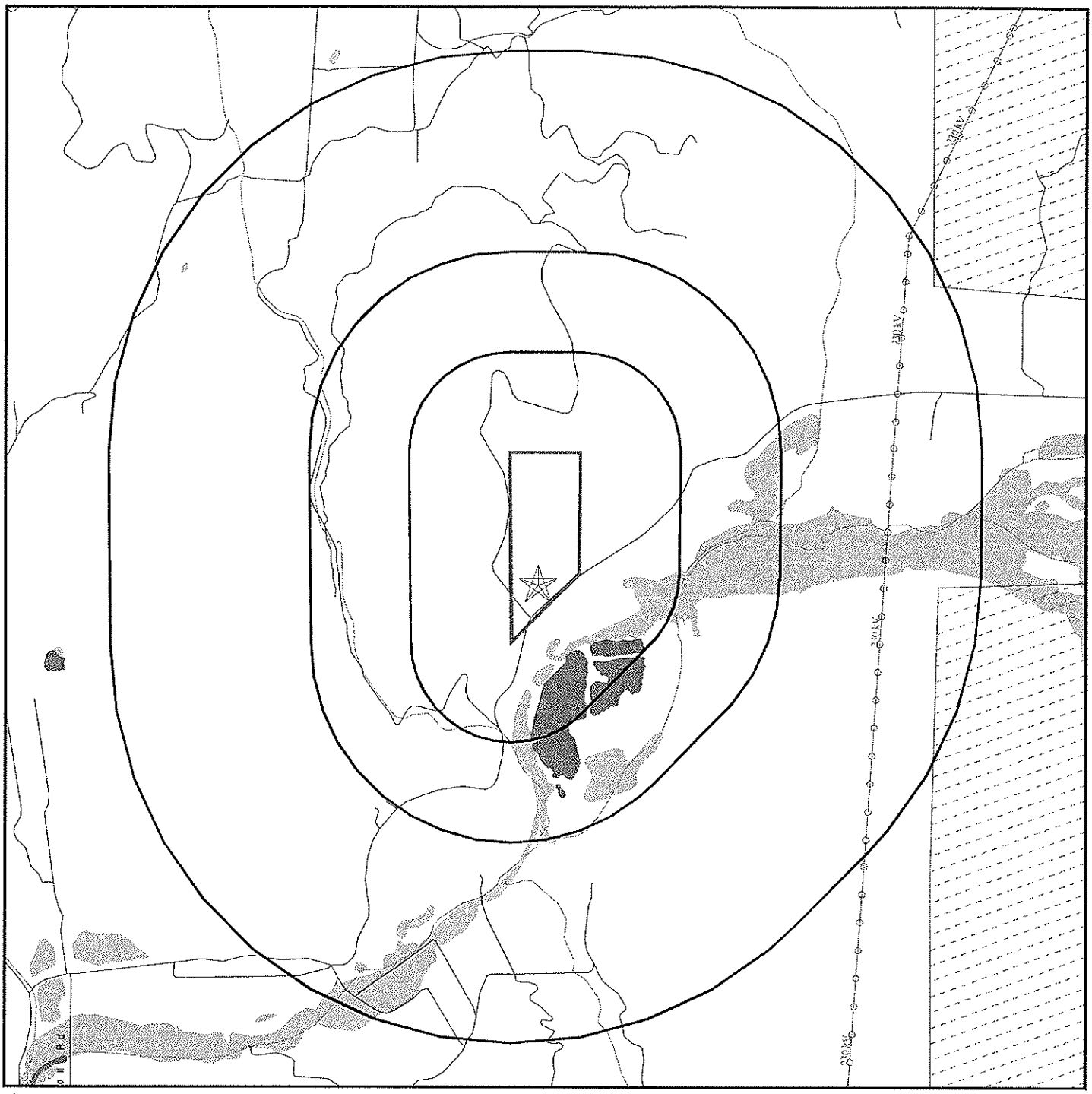
Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PALA INDIAN RESERVATION		1/2 - 1 E	0	6

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
INDUSTRIAL ASPHALT PRODUCTS	SWEEPS UST
CAL-MAT PALA	SWEEPS UST
DUKER & DUKER	San Diego Co. HMMD, SWEEPS UST
FALLBROOK ANNEX	CERC-NFRAP
PALA INDIAN RESERVATION	CERC-NFRAP
FALLBROOK BURNSITE	SWF/LF, San Diego Co. HMMD
VALLEY CENTER LANDFILL	SWF/LF
RAINBOW FARM, LLC	LUST, SAN DIEGO CO. SAM
PALOMAR MOUNTAIN RELEASE	LUST
(MISSION SAN ANTONIO)	HIST UST
PALA	HIST UST
PACIFIC BELL (DB-119)	HIST UST
PALA SITE	AST
MISSION INDIAN OXIDATION POND	WMUDS/SWAT
MISSION INDIAN SANIT LANDFILL	WMUDS/SWAT
BROWN BULK TRANSPORTATION INC	RCRA-SQG, FINDS
PALOMAR VISTA	SLIC
ACORN MINI MARKET	INDIAN UST
CALMAT / INDUSTRIAL ASPHALT	INDIAN UST
PALA STORE	INDIAN UST
PALA STORE	INDIAN LUST
BROOK HILLS DEVELOPMENT	SAN DIEGO CO. SAM
MCNALLY ROAD PROPERTY	SAN DIEGO CO. SAM

OVERVIEW MAP - 2231022.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- National Wetland Inventory
- Areas of Concern

SITE NAME: Orange Grove ADDRESS: Hwy 76/Pala Del Norte Road Pala CA 92059 LAT/LONG: 33.3578 / 117.1111	CLIENT: TRC CONTACT: Cade Johnson INQUIRY #: 2231022.1s DATE: May 29, 2008 10:21 am

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DETAIL MAP - 2231022.1s

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

Oil & Gas pipelines

National Wetland Inventory

Areas of Concern

SITE NAME: Orange Grove ADDRESS: Hwy 76/Pala Del Norte Road Pala CA 92059 LAT/LONG: 33.3578 / 117.1111	CLIENT: TRC CONTACT: Cade Johnson INQUIRY #: 2231022.1s DATE: May 29, 2008 10:21 am

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
LIENS 2		TP	NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA-TSDF		0.500	0	0	0	NR	NR	0
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
US CDL		TP	NR	NR	NR	NR	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECORDS								
HIST Cal-Sites		1.000	0	0	0	0	NR	0
CA BOND EXP. PLAN		1.000	0	0	0	0	NR	0
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
SWF/LF		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA WDS		TP	NR	NR	NR	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
Cortese		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
CA FID UST		0.250	0	0	NR	NR	NR	0
SLIC		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
HIST UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
LIENS		TP	NR	NR	NR	NR	NR	0
SWEEPS UST		0.250	0	0	NR	NR	NR	0
CHMIRS		TP	NR	NR	NR	NR	NR	0
Notify 65		1.000	0	0	0	0	NR	0
DEED		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
San Diego Co. HMMD		TP	NR	NR	NR	NR	NR	0
RESPONSE		1.000	0	0	0	0	NR	0
HAZNET		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
SAN DIEGO CO. SAM		0.500	0	0	0	NR	NR	0
HAULERS		TP	NR	NR	NR	NR	NR	0
ENVIROSTOR		1.000	0	0	0	0	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	1	NR	1
INDIAN ODI		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

IND RES **Region** **East** **1/2-1** **4931 ft.**	**PALA INDIAN RESERVATION** **PALA INDIAN RESERVATION (County), CA**	**INDIAN RESERV**	**CIND100528** **N/A**

INDIAN RESERV:

Feature:	Indian Reservation
Name:	Pala Indian Reservation
Agency:	BIA
State:	CA

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FALLBROOK	S108406968	BROOK HILLS DEVELOPMENT	LA CANADA AT VIA	92028	SAN DIEGO CO. SAM
FALLBROOK	1003879096	FALLBROOK ANNEX	NAVAL WEAPONS STA SEAL BCH	92028	CERC-NFRAP
FALLBROOK	S107619890	RAINBOW FARM, LLC	0 PALA RD	92028	LUST, SAN DIEGO CO. SAM
FALLBROOK	S102066289	FALLBROOK BURNSITE	STONEPOST WY	92028	SWF/LF, San Diego Co. HMMD
PALA	S106927505	INDUSTRIAL ASPHALT PRODUCTS	HWY 76 6MI E I-15	92059	SWEEPS UST
PALA	S106923790	CAL-MAT PALA	HWY 76 7MI E I-15	92059	SWEEPS UST
PALA	1009393223	ACORN MINI MARKET	HWY 76 & PALA MISSION ROAD	92059	INDIAN UST
PALA	1005415471	BROWN BULK TRANSPORTATION INC	12802 HWY 76	92059	RCRA-SQG, FINDS
PALA	1009393179	CALMAT / INDUSTRIAL ASPHALT	HIGHWAY 766.7 MILES EAST OF I-15	92059	INDIAN UST
PALA	U001572028	(MISSION SAN ANTONIO)	PO BOX 70	92059	HIST UST
PALA	1009394154	PALA STORE	P.O. BOX 154	92059	INDIAN LUST
PALA	1009393088	PALA STORE	P.O. BOX 154	92059	INDIAN UST
PALA	S100731624	DUKER & DUKER	HENDERSON RD	92059	San Diego Co. HMMD, SWEEPS UST
PALA	A100109443	PALA SITE	6.5 MILES E OF HWY 15	92059	AST
PALA ,CA	S104156561	MISSION INDIAN OXIDATION POND	P.O. BOX 43	92059	WMUDS/SWAT
PALA ,CA	S104156514	MISSION INDIAN SANIT LANDFILL	P.O. BOX 43	92059	WMUDS/SWAT
PALA INDIAN RESERVAT	U001572033	PALA	6.7 MI. E. OF I 15 ON ST. RT.	92059	HIST UST
PALA INDIAN RESERVATI(	1007117511	PALA INDIAN RESERVATION	HIGHWAY 76 NEAR LILAC ROAD	92059	CERC-NFRAP
PAUMA VALLEY - PALA	U001572032	PACIFIC BELL (DB-119)	O U.S.HIGHWAY 76	92059	HIST UST
VALLEY CENTER	S105155595	VALLEY CENTER LANDFILL	28700 BLK AERIE RD.	92082	SWF/LF
VALLEY CENTER	S108540448	MCNALLY ROAD PROPERTY	0 MCNALLY RD	92082	SAN DIEGO CO. SAM
VALLEY CENTER	S106484211	PALOMAR VISTA	22000 PAUMA HEIGHTS ROAD	92082	SLIC
VALLEY CENTER	S108997068	PALOMAR MOUNTAIN RELEASE	0 STATE PARK RD/CANTFIELD RD	92082	LUST

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.

FEDERAL RECORDS

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: 01/31/2008
Date Data Arrived at EDR: 02/08/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 38

Source: EPA
Telephone: N/A
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/28/2008
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 10
Telephone 206-553-8665

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

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: 01/31/2008
Date Data Arrived at EDR: 02/04/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 42

Source: EPA
Telephone: N/A
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Quarterly

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: 01/31/2008
Date Data Arrived at EDR: 02/08/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 38

Source: EPA
Telephone: N/A
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

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

Date of Government Version: 04/08/2008
Date Data Arrived at EDR: 04/25/2008
Date Made Active in Reports: 05/21/2008
Number of Days to Update: 26

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 04/25/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007
Date Data Arrived at EDR: 12/06/2007
Date Made Active in Reports: 02/20/2008
Number of Days to Update: 76

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 05/20/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/08/2008
Date Data Arrived at EDR: 03/07/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/26/2008
Date Data Arrived at EDR: 04/02/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 34

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Transporters, 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: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/21/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

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: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/21/2008
Next Scheduled EDR Contact: 08/18/2008
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: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/21/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/21/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

RCRA-NonGen: RCRA - Non Generators

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

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/21/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/04/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 28

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 04/04/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 28

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Varies

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: 12/31/2007
Date Data Arrived at EDR: 01/23/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 54

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 04/22/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 04/16/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 29

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/16/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 02/14/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 22

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/28/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: Varies

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: 09/01/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/28/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 01/03/2008
Date Data Arrived at EDR: 01/17/2008
Date Made Active in Reports: 02/20/2008
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 04/30/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 05/09/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 08/31/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 41

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 04/03/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 03/10/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/22/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/14/2008
Date Data Arrived at EDR: 01/22/2008
Date Made Active in Reports: 01/30/2008
Number of Days to Update: 8

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 07/13/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
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: 03/25/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 28

Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 03/24/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/07/2008
Date Data Arrived at EDR: 03/26/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 23

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/26/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/29/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Annually

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

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/11/2008
Date Data Arrived at EDR: 04/24/2008
Date Made Active in Reports: 05/21/2008
Number of Days to Update: 27

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/11/2008
Date Data Arrived at EDR: 04/24/2008
Date Made Active in Reports: 05/21/2008
Number of Days to Update: 27

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Quarterly

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
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: 02/28/2008
Date Data Arrived at EDR: 03/18/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
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: 12/04/2007
Date Data Arrived at EDR: 02/07/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 39

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 05/09/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

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

Date of Government Version: 01/15/2008
Date Data Arrived at EDR: 02/07/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 39

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

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

Date of Government Version: 04/29/2008
Date Data Arrived at EDR: 05/01/2008
Date Made Active in Reports: 05/21/2008
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 05/01/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/08/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 28

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

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

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/13/2007
Number of Days to Update: 38

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/13/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

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: 05/27/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: No Update Planned

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

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: 02/26/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/28/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: No Update Planned

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: 03/10/2008
Date Data Arrived at EDR: 03/12/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 33

Source: Integrated Waste Management Board
Telephone: 916-341-6320
Last EDR Contact: 03/12/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Quarterly

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: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

CA 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: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 05/29/2001
Date Made Active in Reports: 07/26/2001
Number of Days to Update: 58

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 04/21/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 04/07/2008
Date Data Arrived at EDR: 04/09/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 27

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 04/09/2008
Next Scheduled EDR Contact: 07/07/2008
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: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
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: 05/05/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Varies

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

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

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
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: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
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: 04/01/2008
Date Data Arrived at EDR: 04/23/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 13

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 04/23/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 03/24/2008
Next Scheduled EDR Contact: 06/23/2008
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: 05/12/2008
Next Scheduled EDR Contact: 08/11/2008
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: 04/07/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 04/08/2008
Date Data Arrived at EDR: 04/09/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 04/09/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Quarterly

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

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

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 04/08/2008
Date Data Arrived at EDR: 04/09/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 01/09/2008
Next Scheduled EDR Contact: 07/07/2008
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: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
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: 04/07/2008
Next Scheduled EDR Contact: 04/07/2008
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 05/12/2008
Next Scheduled EDR Contact: 08/11/2008
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 04/21/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
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: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
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: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 05/27/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 04/08/2008
Date Data Arrived at EDR: 04/09/2008
Date Made Active in Reports: 05/01/2008
Number of Days to Update: 22

Source: SWRCB
Telephone: 916-480-1028
Last EDR Contact: 04/09/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/24/2008
Date Data Arrived at EDR: 03/25/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 15

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 03/24/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Varies

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

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/05/2008
Date Data Arrived at EDR: 02/06/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/05/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 11/01/2007
Date Data Arrived at EDR: 11/27/2007
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Quarterly

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

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/23/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 05/02/2008
Next Scheduled EDR Contact: 05/19/2008
Data Release Frequency: Varies

NOTIFY 65: Proposition 65 Records

Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

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

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: No Update Planned

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: 04/01/2008
Date Data Arrived at EDR: 04/02/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 12

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/02/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Semi-Annually

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: 02/26/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/28/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: Quarterly

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: 07/31/2007
Date Data Arrived at EDR: 07/31/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 9

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 05/12/2008
Next Scheduled EDR Contact: 08/11/2008
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

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

Date of Government Version: 02/26/2008
Date Data Arrived at EDR: 04/23/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 04/23/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: Varies

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: 12/31/2007
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 14

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/21/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: Varies

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: 02/26/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/28/2008
Next Scheduled EDR Contact: 08/25/2008
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.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 10/04/2007
Date Made Active in Reports: 11/07/2007
Number of Days to Update: 34

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 05/09/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 04/17/2007
Date Made Active in Reports: 05/10/2007
Number of Days to Update: 23

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 04/18/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Varies

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: 02/26/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/28/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 04/28/2008
Date Data Arrived at EDR: 04/29/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 7

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 05/09/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Semi-Annually

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: 05/27/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/17/2008
Date Data Arrived at EDR: 03/27/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 40

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
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: 02/20/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 13

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 6

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
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: 02/28/2008
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 17

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
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: 02/25/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

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

Date of Government Version: 02/21/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 23

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 03/17/2008
Date Data Arrived at EDR: 03/27/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 40

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 6

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 02/28/2008
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 17

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/14/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 21

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 02/25/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 23

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 03/17/2008
Date Data Arrived at EDR: 03/27/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 40

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 12/21/2007
Date Data Arrived at EDR: 12/21/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 34

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 02/21/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 23

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land
No description is available for this data

Date of Government Version: 02/20/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 13

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

EDR PROPRIETARY RECORDS

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/28/2008
Date Data Arrived at EDR: 01/29/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 16

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 05/05/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/28/2008
Date Data Arrived at EDR: 01/29/2008
Date Made Active in Reports: 02/08/2008
Number of Days to Update: 10

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 05/05/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 03/07/2008
Date Data Arrived at EDR: 03/11/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 16

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/27/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List

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

Date of Government Version: 03/31/2008
Date Data Arrived at EDR: 04/18/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 18

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 04/18/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 04/18/2008
Date Made Active in Reports: 05/01/2008
Number of Days to Update: 13

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 04/16/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

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

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 07/07/1999
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 02/28/2008
Date Data Arrived at EDR: 04/16/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 20

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 05/12/2008
Next Scheduled EDR Contact: 08/11/2008
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 02/12/2008
Date Data Arrived at EDR: 02/21/2008
Date Made Active in Reports: 03/27/2008
Number of Days to Update: 35

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 05/14/2008
Next Scheduled EDR Contact: 08/11/2008
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/01/2008
Date Data Arrived at EDR: 03/20/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 25

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 03/12/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Varies

Site Mitigation List

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

Date of Government Version: 02/14/2008
Date Data Arrived at EDR: 04/10/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 26

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 05/12/2008
Next Scheduled EDR Contact: 08/11/2008
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 02/11/2008
Date Data Arrived at EDR: 02/21/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 22

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 05/27/2008
Next Scheduled EDR Contact: 08/11/2008
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 05/21/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/26/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 16

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 05/27/2008
Next Scheduled EDR Contact: 08/11/2008
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 02/04/2008
Date Data Arrived at EDR: 02/21/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 22

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 04/24/2008
Date Data Arrived at EDR: 04/25/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 11

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 04/07/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Semi-Annually

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

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

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 03/03/2008
Date Data Arrived at EDR: 03/20/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 25

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/03/2008
Date Data Arrived at EDR: 03/25/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 20

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 03/03/2008
Date Data Arrived at EDR: 03/18/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 22

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/06/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 07/23/2007
Date Data Arrived at EDR: 07/23/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 17

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 08/06/2007
Date Data Arrived at EDR: 08/07/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 50

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 08/06/2007
Date Data Arrived at EDR: 08/07/2007
Date Made Active in Reports: 09/24/2007
Number of Days to Update: 48

Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Contaminated Sites
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/11/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 16

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 05/02/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/11/2008
Date Data Arrived at EDR: 02/27/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 16

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 05/02/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 03/18/2008
Date Data Arrived at EDR: 03/19/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 26

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

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

Date of Government Version: 05/16/2005
Date Data Arrived at EDR: 05/18/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 29

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 04/02/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/2007
Date Data Arrived at EDR: 02/05/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 9

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

Environmental Case Listing

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

Date of Government Version: 11/28/2007
Date Data Arrived at EDR: 03/13/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 32

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 04/23/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversite Facilities

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

Date of Government Version: 03/03/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 03/03/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 10

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

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

Date of Government Version: 02/01/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 17

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 04/14/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

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

Date of Government Version: 01/31/2008
Date Data Arrived at EDR: 02/01/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 13

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 04/07/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Annually

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

Date of Government Version: 04/10/2008
Date Data Arrived at EDR: 04/11/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 25

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 04/07/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/24/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 04/28/2008
Date Data Arrived at EDR: 04/29/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 7

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Varies

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 03/04/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 10

Source: City of San Jose Fire Department
Telephone: 408-277-4659
Last EDR Contact: 03/03/2008
Next Scheduled EDR Contact: 06/02/2008
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks

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

Date of Government Version: 04/04/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 14

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/24/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 04/04/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/01/2008
Number of Days to Update: 9

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/24/2008
Next Scheduled EDR Contact: 06/23/2008
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

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

Date of Government Version: 01/22/2008
Date Data Arrived at EDR: 01/22/2008
Date Made Active in Reports: 02/14/2008
Number of Days to Update: 23

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 04/21/2008
Next Scheduled EDR Contact: 07/21/2008
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 05/04/2007
Date Data Arrived at EDR: 05/04/2007
Date Made Active in Reports: 05/24/2007
Number of Days to Update: 20

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/31/2008
Next Scheduled EDR Contact: 06/30/2008
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 02/27/2008
Date Data Arrived at EDR: 03/25/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 20

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/12/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

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

Date of Government Version: 08/01/2007
Date Data Arrived at EDR: 08/29/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 28

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 02/27/2008
Date Data Arrived at EDR: 03/25/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 20

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/12/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

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

Date of Government Version: 03/26/2008
Date Data Arrived at EDR: 04/09/2008
Date Made Active in Reports: 05/01/2008
Number of Days to Update: 22

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/09/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 01/29/2008
Date Data Arrived at EDR: 02/20/2008
Date Made Active in Reports: 03/14/2008
Number of Days to Update: 23

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 05/12/2008
Next Scheduled EDR Contact: 07/14/2008
Data Release Frequency: Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 06/15/2007
Date Made Active in Reports: 08/20/2007
Number of Days to Update: 66

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 03/14/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 09/30/2007
Date Data Arrived at EDR: 12/04/2007
Date Made Active in Reports: 12/31/2007
Number of Days to Update: 27

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/03/2008
Next Scheduled EDR Contact: 06/30/2008
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: 02/15/2008
Date Data Arrived at EDR: 02/28/2008
Date Made Active in Reports: 04/09/2008
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/29/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 12/21/2007
Date Made Active in Reports: 01/10/2008
Number of Days to Update: 20

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/10/2008
Next Scheduled EDR Contact: 06/09/2008
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 10/01/2007
Date Data Arrived at EDR: 11/09/2007
Date Made Active in Reports: 01/15/2008
Number of Days to Update: 67

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 03/17/2008
Next Scheduled EDR Contact: 06/16/2008
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 04/27/2007
Date Made Active in Reports: 06/08/2007
Number of Days to Update: 42

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 04/07/2008
Next Scheduled EDR Contact: 07/07/2008
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ORANGE GROVE
HWY 76/PALA DEL NORTE ROAD
PALA, CA 92059

TARGET PROPERTY COORDINATES

Latitude (North):	33.35780 - 33˚ 21' 28.1"
Longitude (West):	117.1111 - 117˚ 6' 40.0"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	489663.4
UTM Y (Meters):	3690767.0
Elevation:	379 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33117-C1 PALA, CA
Most Recent Revision:	1988
North Map:	33117-D1 PECHANGA, CA
Most Recent Revision:	1988
West Map:	33117-C2 BONSALL, CA
Most Recent Revision:	1975

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).

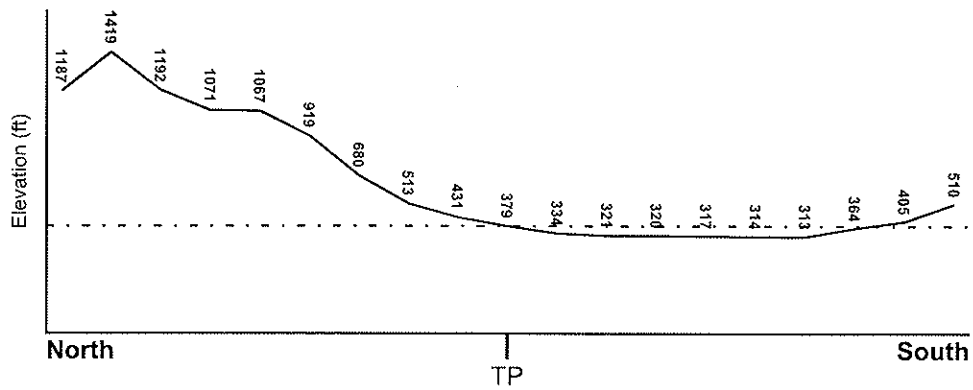
TOPOGRAPHIC INFORMATION

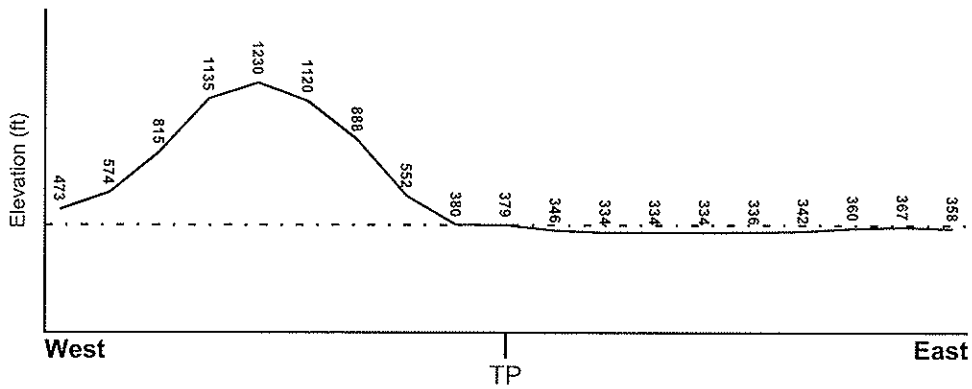
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 379 ft.

0 1/2 1 Miles

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
SAN DIEGO, CA	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
PALA	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

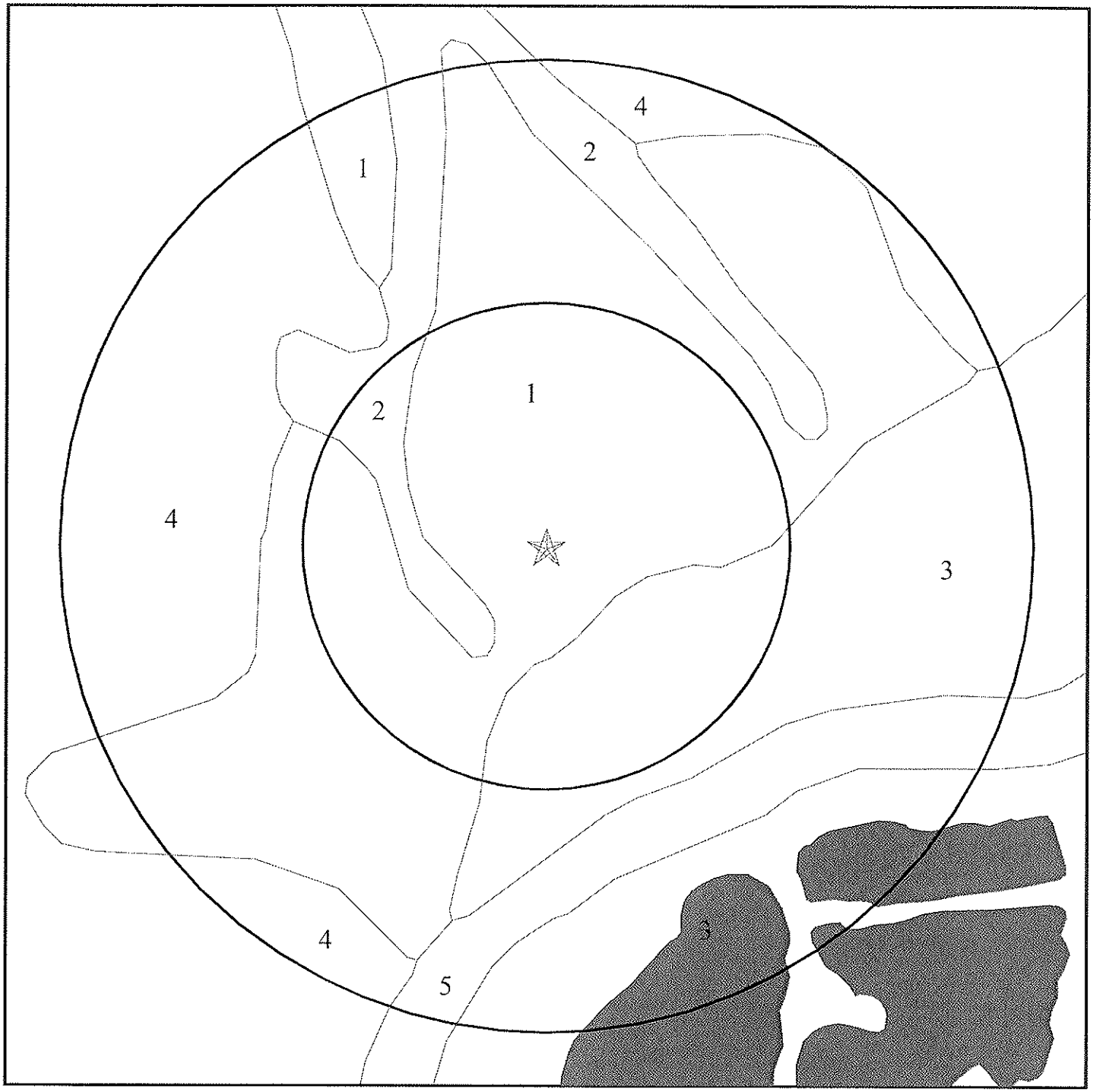
Era:	Mesozoic
System:	Cretaceous
Series:	Cretaceous granitic rocks
Code:	Kg *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

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 - 2231022.1s



★ Target Property

SSURGO Soil

Water

0 1/16 1/8 1/4 Miles

SITE NAME: Orange Grove ADDRESS: Hwy 76/Pala Del Norte Road Pala CA 92059 LAT/LONG: 33.3578 / 117.1111	CLIENT: TRC CONTACT: Cade Johnson INQUIRY #: 2231022.1s DATE: May 29, 2008 10:22 am

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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: LAS POSAS

Soil Surface Texture: stony fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		Soil Reaction (pH)
1	0 inches	3 inches	stony fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
2	3 inches	33 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
3	33 inches	37 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:

Soil Map ID: 2

Soil Component Name: STEEP GULLIED LAND

Soil Surface Texture: variable

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class:
Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

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	59 inches	variable	Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 3

Soil Component Name: TUJUNGA

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.6
2	14 inches	33 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.6
3	33 inches	59 inches	stratified gravelly sand to gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.6

Soil Map ID: 4

Soil Component Name: LAS POSAS

Soil Surface Texture: stony fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	stony fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
2	3 inches	33 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
3	33 inches	37 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:

Soil Map ID: 5

Soil Component Name: RIVERWASH

Soil Surface Texture: gravelly coarse sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Excessively drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 168 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILIS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141 Min: 42	Max: Min:
2	5 inches	59 inches	stratified extremely gravelly coarse sand to gravelly sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILIS, Gravels, Clean Gravels, Well-graded gravel.	Max: 141 Min: 42	Max: Min:

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
A2	USGS3127300	1/8 - 1/4 Mile East
B5	USGS3127304	1/8 - 1/4 Mile East
B6	USGS3127303	1/8 - 1/4 Mile East
B7	USGS3127305	1/8 - 1/4 Mile East
C9	USGS3127299	1/4 - 1/2 Mile East
D11	USGS3127285	1/4 - 1/2 Mile ESE
E15	USGS3127313	1/4 - 1/2 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E16	USGS3127314	1/4 - 1/2 Mile East
E17	USGS3127312	1/4 - 1/2 Mile East
E18	USGS3127315	1/4 - 1/2 Mile East
F20	USGS3127250	1/4 - 1/2 Mile SSE
21	USGS3127295	1/2 - 1 Mile East
22	USGS3127434	1/2 - 1 Mile SSW
H25	USGS3127427	1/2 - 1 Mile SSW
H26	USGS3127428	1/2 - 1 Mile SSW
G27	USGS3127147	1/2 - 1 Mile ENE
I30	USGS3127174	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

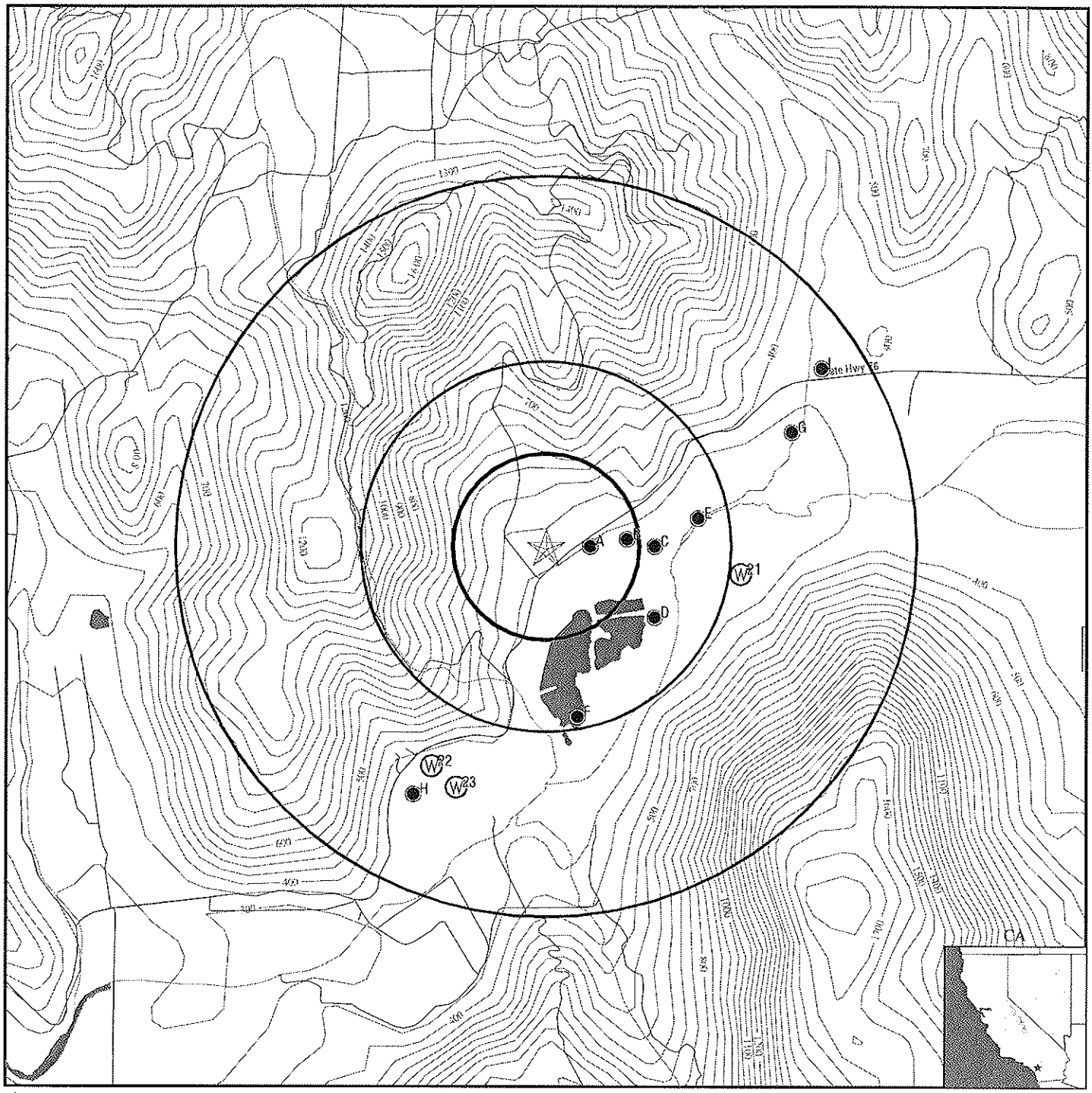
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CADW20000002512	0 - 1/8 Mile East
B3	CADW20000002517	1/8 - 1/4 Mile East
B4	CADW20000002516	1/8 - 1/4 Mile East
C8	CADW20000002513	1/4 - 1/2 Mile East
D10	CADW20000002497	1/4 - 1/2 Mile SE
E12	CADW20000002523	1/4 - 1/2 Mile ENE
E13	CADW20000002524	1/4 - 1/2 Mile ENE
E14	CADW20000002525	1/4 - 1/2 Mile ENE
F19	CADW20000002461	1/4 - 1/2 Mile South
23	9373	1/2 - 1 Mile SSW
G24	CADW20000002554	1/2 - 1 Mile ENE
H28	CADW20000002444	1/2 - 1 Mile SSW
I29	CADW20000002583	1/2 - 1 Mile NE

PHYSICAL SETTING SOURCE MAP - 2231022.1s



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

0 1/4 1/2 1 Miles

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

SITE NAME: Orange Grove ADDRESS: Hwy 76/Pala Del Norte Road Pala CA 92059 LAT/LONG: 33.3578 / 117.1111	CLIENT: TRC CONTACT: Cade Johnson INQUIRY #: 2231022.1s DATE: May 29, 2008 10:21 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **East** **0 - 1/8 Mile** **Lower**	**CA WELLS**	**CADW20000002512**

Longitude:	117.1086
Latitude:	33.3578
Stwellno:	09S02W32A005S
Districtco:	3
Welluseco:	Z
Countycode:	37
Gwcode:	950399
Site id:	CADW20000002512

A2 **East** **1/8 - 1/4 Mile** **Lower**	**FED USGS**	**USGS3127300**

Agency cd:	USGS	Site no:	332128117062801
Site name:	009S002W32A005S		
Latitude:	332128		
Longitude:	1170628	Dec lat:	33.3578101
Dec lon:	-117.10864207	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	330.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	24.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	14.00	

B3
East
1/8 - 1/4 Mile
Lower

CA WELLS **CADW20000002517**

Longitude:	117.107
Latitude:	33.3581
Stwellno:	09S02W32A003S
Districtco:	3
Welluseco:	Z
Countycode:	37
Gwcode:	900700
Site id:	CADW20000002517

B4
East
1/8 - 1/4 Mile
Lower

CA WELLS **CADW20000002516**

Longitude:	117.107
Latitude:	33.3581
Stwellno:	09S02W32A002S
Districtco:	3
Welluseco:	Z
Countycode:	37
Gwcode:	900700
Site id:	CADW20000002516

B5
East
1/8 - 1/4 Mile
Lower

FED USGS **USGS3127304**

Agency cd:	USGS	Site no:	332129117062202
Site name:	009S002W32A003S		
Latitude:	332129		
Longitude:	1170622	Dec lat:	33.35808789
Dec lon:	-117.10697535	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	330.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19600101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	50.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	20.00	

B6
East
1/8 - 1/4 Mile
Lower

FED USGS **USGS3127303**

Agency cd:	USGS	Site no:	332129117062201
Site name:	009S002W32A002S		
Latitude:	332129		
Longitude:	1170622	Dec lat:	33.35808789
Dec lon:	-117.10697535	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	330.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	12.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	10.00	

B7
East
1/8 - 1/4 Mile
Lower

FED USGS **USGS3127305**

Agency cd:	USGS	Site no:	332129117062203
Site name:	009S002W32A006S		
Latitude:	332129		
Longitude:	1170622	Dec lat:	33.35808789
Dec lon:	-117.10697535	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	335.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19520101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1960-11-04
Water quality data end date:	1961-01-04	Water quality data count:	3
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

C8
East
1/4 - 1/2 Mile
Lower

CA WELLS **CADW20000002513**

Longitude:	117.1056
Latitude:	33.3578
Stwellno:	09S02W32A004S
Districtco:	3
Welluseco:	Z
Countycode:	37
Gwcode:	900700
Site id:	CADW20000002513

Map ID Direction Distance Elevation	Database	EDR ID Number
C9 **East** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS3127299**

Agency cd:	USGS	Site no:	332128117061701
Site name:	009S002W32A004S		
Latitude:	332128		
Longitude:	1170617	Dec lat:	33.35781013
Dec lon:	-117.10558642	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	330.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19630101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	117	Hole depth:	117
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	10.00	

	Database	EDR ID Number
D10 **SE** **1/4 - 1/2 Mile** **Lower**	**CA WELLS**	**CADW20000002497**

Longitude:	117.1056
Latitude:	33.355
Stwellno:	09S02W32A001S
Districtco:	3
Welluseco:	Z
Countycode:	37
Gwcode:	900700
Site id:	CADW20000002497

Map ID Direction Distance Elevation	Database	EDR ID Number
D11 **ESE** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS3127285**

Agency cd:	USGS	Site no:	332118117061701
Site name:	009S002W32A001S		
Latitude:	332118		
Longitude:	1170617	Dec lat:	33.35503243
Dec lon:	-117.10558644	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	PALA	Map scale:	24000
Altitude:	330.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1960-11-04
Water quality data end date:	1960-11-04	Water quality data count:	1
Ground water data begin date:	1966-08-01	Ground water data end date:	1985-12-26
Ground water data count:	90		

Ground-water levels, Number of Measurements: 90

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1985-12-26	11.80		1985-10-17	12.99	
1985-08-14	12.62		1985-06-06	11.44	
1985-05-01	10.83		1985-02-11	10.97	
1984-12-17	11.49		1984-11-06	12.14	
1984-08-29	12.23		1984-06-25	11.57	
1984-04-30	10.25		1984-02-15	10.84	
1983-12-08	9.10		1983-10-18	8.55	
1983-08-29	7.86		1983-07-08	7.77	
1983-02-25	8.17		1982-12-15	8.93	
1982-08-24	9.04		1982-07-02	8.49	
1982-04-13	7.00		1982-03-02	7.44	
1981-11-25	8.94		1981-10-16	8.72	
1981-09-16	8.80		1981-08-07	10.23	
1981-07-14	9.92		1981-06-03	8.42	
1981-04-07	8.39		1981-03-11	8.37	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-02-18	8.99		1980-12-09	8.95	
1980-11-03	4.88		1980-10-08	4.43	
1980-07-30	3.67		1980-07-04	3.79	
1980-06-26	3.58		1980-05-14	4.09	
1980-04-03	3.91		1980-02-05	6.10	
1979-12-27	8.71		1979-11-16	8.27	
1979-10-17	8.42		1979-09-12	8.02	
1979-08-14	8.01		1979-07-18	7.90	
1979-06-13	7.57		1979-05-08	6.39	
1979-04-11	6.60		1979-03-20	8.17	
1979-02-05	8.95		1979-01-04	9.68	
1978-11-15	7.44		1978-10-11	8.38	
1978-09-07	7.55		1978-07-21	6.77	
1978-03-23	5.65		1978-01-27	6.75	
1977-12-20	10.32		1977-11-18	10.42	
1977-09-28	10.28		1977-08-26	9.98	
1977-07-22	9.60		1977-06-09	9.25	
1977-04-22	9.18		1977-03-23	9.15	
1977-02-03	9.13		1976-12-17	10.12	
1976-11-19	10.20		1976-10-07	10.16	
1976-09-03	10.34		1976-07-29	9.97	
1976-06-16	9.42		1976-03-30	8.55	
1976-01-21	9.39		1975-12-10	9.62	
1975-11-06	9.77		1975-09-26	9.64	
1975-08-26	9.27		1975-07-29	8.58	
1975-06-16	8.02		1975-05-22	8.92	
1975-04-22	7.81		1975-03-10	7.98	
1975-01-29	8.41		1972-09-29	7.33	
1972-04-19	6.18		1971-09-30	6.70	
1966-08-18	8.67		1966-08-01	9.00	

E12
ENE
1/4 - 1/2 Mile
Lower

CA WELLS **CADW20000002523**

Longitude:	117.1036
Latitude:	33.3589
Stwellno:	09S02W29R001S
Districtco:	3
Welluseco:	Z
Countycode:	37
Gwcode:	900700
Site id:	CADW20000002523

E13
ENE
1/4 - 1/2 Mile
Lower

CA WELLS **CADW20000002524**

Longitude:	117.1036
Latitude:	33.3589
Stwellno:	09S02W29R003S
Districtco:	3
Welluseco:	Z
Countycode:	37
Gwcode:	900700
Site id:	CADW20000002524

E14
ENE
1/4 - 1/2 Mile
Lower

CA WELLS **CADW20000002525**

Longitude:	117.1036
Latitude:	33.3589
Stwellno:	09S02W29R004S
Districtco:	3
Welluseco:	Z
Countycode:	37
Gwcode:	900700
Site id:	CADW20000002525

E15
East
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127313**

Agency cd:	USGS	Site no:	332132117061002
Site name:	009S002W29R002S		
Latitude:	332132		
Longitude:	1170610	Dec lat:	33.35892122
Dec lon:	-117.10364191	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	335.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Margarita. California. Area = 731 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	59.0	Hole depth:	59.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

E16
East
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127314**

Agency cd:	USGS	Site no:	332132117061003
Site name:	009S002W29R003S		
Latitude:	332132		
Longitude:	1170610	Dec lat:	33.35892122
Dec lon:	-117.10364191	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	335.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Margarita. California. Area = 731 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	59.0	Hole depth:	59.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1971-09-01	Ground water data end date:	1971-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1971-09-01	9.00	

E17
East
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127312**

Agency cd:	USGS	Site no:	332132117061001
Site name:	009S002W29R001S		
Latitude:	332132		
Longitude:	1170610	Dec lat:	33.35892122
Dec lon:	-117.10364191	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	335.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Margarita. California. Area = 731 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	10.00	

E18
East
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127315**

Agency cd:	USGS	Site no:	332132117061004
Site name:	009S002W29R004S		
Latitude:	332132		
Longitude:	1170610	Dec lat:	33.35892122
Dec lon:	-117.10364191	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	335.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Margarita. California. Area = 731 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	54.0	Hole depth:	54.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1971-09-01	Ground water data end date:	1971-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1971-09-01	7.00	

F19
South
1/4 - 1/2 Mile
Lower

CA WELLS **CADW20000002461**

Longitude:	117.1092
Latitude:	33.3511
Stwellno:	09S02W32G001S
Districtco:	3
Welluseco:	Z
Countycode:	37
Gwcode:	900700
Site id:	CADW20000002461

F20
SSE
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127250**

Agency cd:	USGS	Site no:	332104117063001
Site name:	009S002W32G001S		
Latitude:	332104		
Longitude:	1170630	Dec lat:	33.35114362
Dec lon:	-117.1091977	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	PALA	Map scale:	24000
Altitude:	320.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1960-11-04
Water quality data end date:	1960-11-04	Water quality data count:	1
Ground water data begin date:	1966-08-01	Ground water data end date:	1985-05-01
Ground water data count:	24		

Ground-water levels, Number of Measurements: 24

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1985-05-01	10.02		1984-11-14	10.55	
1984-04-30	9.82		1983-12-08	8.73	
1983-07-08	8.63		1982-12-15	8.82	
1982-03-02	7.09		1981-10-29	7.58	
1981-03-11	5.73		1980-10-08	5.88	
1980-05-14	6.05		1979-09-12	9.82	
1979-03-20	10.32		1978-10-12	9.85	
1978-03-23	5.97		1977-09-28	9.35	
1977-03-23	8.25		1976-08-06	8.53	
1976-03-30	7.84		1975-06-16	7.90	
1972-04-19	6.98		1971-09-30	7.56	
1966-08-19	10.50		1966-08-01	10.00	

21
East
1/2 - 1 Mile
Lower

FED USGS **USGS3127295**

Agency cd:	USGS	Site no:	332124117060701
Site name:	009S002W33D001S		
Latitude:	332124.2		
Longitude:	1170607.2	Dec lat:	33.35672222
Dec lon:	-117.102	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	PALA	Map scale:	24000
Altitude:	331		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19780629
Date inventoried:	20040715	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	80	Hole depth:	95
Source of depth data:	driller		
Project number:	9677BHM22		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

22
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS3127434**

Agency cd:	USGS	Site no:	332057117065601
Site name:	009S002W32Z001S		
Latitude:	332057		
Longitude:	1170656	Dec lat:	33.34919918
Dec lon:	-117.11642016	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	303.00		
Altitude method:	Level or other surveying method		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

23
SSW
1/2 - 1 Mile
Lower

CA WELLS **9373**

Water System Information:

Prime Station Code:	09S/02W-32L01 S	User ID:	37C
FRDS Number:	3701785001	County:	San Diego
District Number:	67	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	332054.0 1170652.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System Number:	3701785		
System Name:	JOE LUCIO DAIRY		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

G24
ENE
1/2 - 1 Mile
Lower

CA WELLS **CADW20000002554**

Longitude:	117.0992
Latitude:	33.3623
Stwellno:	09S02W28N001S
Districtco:	3
Welluseco:	Z
Countycode:	37
Gwcode:	900700
Site id:	CADW20000002554

H25
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS3127427**

Agency cd:	USGS	Site no:	332053117065801
Site name:	009S002W32L001S		
Latitude:	332053		
Longitude:	1170658	Dec lat:	33.3480881
Dec lon:	-117.11697574	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	PALA	Map scale:	24000
Altitude:	310.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19570101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	85.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1963-07-21
Water quality data end date:	1985-08-21	Water quality data count:	13
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	13.00	

H26
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS3127428**

Agency cd:	USGS	Site no:	332053117065802
Site name:	009S002W32L002S		
Latitude:	332053		
Longitude:	1170658	Dec lat:	33.3480881
Dec lon:	-117.11697574	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	310.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	66.0	Hole depth:	66.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

G27
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS3127147**

Agency cd:	USGS	Site no:	332144117055401
Site name:	009S002W28N001S		
Latitude:	332144		
Longitude:	1170554	Dec lat:	33.36225449
Dec lon:	-117.0991973	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	340.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1953-07-10
Water quality data end date:	1959-08-03	Water quality data count:	8
Ground water data begin date:	1966-09-01	Ground water data end date:	1966-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-09-01	13.00	

H28
SSW
1/2 - 1 Mile
Lower

CA WELLS **CADW20000002444**

Longitude:	117.117
Latitude:	33.3481
Stwellno:	09S02W32L001S
Districtco:	3
Welluseco:	P
Countycode:	37
Gwcode:	900700
Site id:	CADW20000002444

I29
NE
1/2 - 1 Mile
Lower

CA WELLS **CADW20000002583**

Longitude:	117.0978
Latitude:	33.3648
Stwellno:	09S02W28L001S
Districtco:	3
Welluseco:	Z
Countycode:	37
Gwcode:	900700
Site id:	CADW20000002583

I30
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS3127174**

Agency cd:	USGS	Site no:	332153117054901
Site name:	009S002W28L001S		
Latitude:	332153		
Longitude:	1170549	Dec lat:	33.36475443
Dec lon:	-117.09780835	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	350.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1967-02-01	Ground water data end date:	1967-02-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1967-02-01	4.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for SAN DIEGO County: 3

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 SAN DIEGO COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.677 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.400 pCi/L	100%	0%	0%
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.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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EDR Environmental Data Resources Inc

netr Real Estate Research & Information

The EDR Environmental Lien Search Report

ORANGE GROVE
HIGHWAY 76 AND PALA DEL NORTE ROAD
PALA, CALIFORNIA

Monday, June 2, 2008

Project Number: L08-03583

The Standard In Environmental Risk Management Information

440 Wheelers Farm Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802

ENVIRONMENTAL LIEN REPORT

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied property 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' office, registries of deed, 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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ENVIRONMENTAL LIEN REPORT

The EDR Environmental Lien Search Report is intended to assist in the search for environmental liens filed in land title records.

TARGET PROPERTY INFORMATION

ADDRESS

Orange Grove
Highway 76 and Pala Del Norte Road
Pala, California

RESEARCH SOURCE

Source: San Diego County Assessor
San Diego County Recorder

DEED INFORMATION

Type of Instrument: Grant Deed

Title is vested in: San Diego Gas and Electric Company, a California corporation

Title received from: Robert W. Driscoll and Gail H. Driscoll, husband and wife

Deed Dated: 04/14/1970
Deed Recorded: 04/27/1970
Instrument: 71473

LEGAL DESCRIPTION

All that certain piece or parcel of land situated and lying in Section 29, Township 9 South, Range 2 West of the San Bernardino Principal Meridian, containing 41.15 acres, more or less, San Diego County, State of California

Assessor's Parcel Number(s): 110-072-26

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

ENVIRONMENTAL LIEN REPORT

TARGET PROPERTY INFORMATION

ADDRESS

Orange Grove
Highway 76 and Pala Del Norte Road
Pala, California

RESEARCH SOURCE

Source: San Diego County Assessor
San Diego County Recorder

DEED INFORMATION

Type of Instrument: Grant Deed

Title is vested in: San Diego Gas and Electric Company, a California corporation

Title received from: Robert W. Driscoll and Gail H. Driscoll, husband and wife

Deed Dated: 04/14/1970
Deed Recorded: 04/27/1970
Instrument: 71473

LEGAL DESCRIPTION

All that certain piece or parcel of land situated and lying in Section 32, Township 9 South, Range 2 West of the San Bernardino Principal Meridian, containing 14.07 acres, more or less, San Diego County, State of California

Assessor's Parcel Number(s): 110-370-01

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

APPENDIX D

2007 HALEY & ALDRICH PHASE I ESA

REPORT ON
ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT
SAN DIEGO GAS & ELECTRIC PALA SUBSTATION
PALA ROAD
PALA, CALIFORNIA

by

Haley & Aldrich, Inc.
San Diego, California

for

San Diego Gas & Electric
8315 Century Park CT, CT21E
San Diego, California

File No. 34503-000
31 May 2007

HALEY & ALDRICH

Printed on 30% post-consumer recycled paper

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Fax: 619.280.9415
HaleyAldrich.com

HALEY& ALDRICH

31 May 2007
File No. 34503-000

San Diego Gas & Electric
8315 Century Park CT, CT21E
San Diego, California 92123

Attention: Barbara Montgomery

Subject: ASTM Phase I All Appropriate Inquiry Environmental Site Assessment
SDG&E Pala Substation
Pala Road
Pala, California

Ladies and Gentlemen:

The enclosed report presents the results of a Phase I environmental site assessment (Phase I assessment) conducted at the above-referenced property, located on Pala Road, in Pala, California (herein referred to as the "subject site"). This work was performed by Haley & Aldrich, Inc. (Haley & Aldrich), in accordance with our proposal to San Diego Gas & Electric (SDG&E) dated 2 May 2007 ("Agreement") as authorized by Haley & Aldrich on 4 April 2007. As indicated in our proposal, this Phase I assessment was conducted using practices consistent with the American Society of Testing and Materials (ASTM) E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-05 Standard) to comply with 40 Code of Federal Regulations (CFR) Part 312 (the All Appropriate Inquiries [AAI] Rule).

The goal of this Phase I assessment was to identify "recognized environmental conditions" (RECs) associated with the subject site, as defined in the ASTM E 1527-05 Standard, by evaluating site history, existing observable conditions, current site use, and current and former uses of adjoining properties as well as potential releases at surrounding properties that may impact the subject site.

Our conclusions regarding the presence and potential impact of RECs on the subject site are intended to help the user evaluate the "business environmental risk" associated with the site, as defined in the ASTM E 1527-05 Standard and discussed in section 1.1 of this report.

The completion of this Phase I assessment is only one component of the process required to satisfy the AAI Rule. In addition, the user must adhere to a set of user responsibilities as defined by the ASTM Standard and the AAI Rule. User responsibilities are discussed in section 5.3 of this report. A user seeking protection from Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability as an innocent landowner, bona fide prospective purchaser, or contiguous property owner must complete all components of the AAI process in addition to meeting ongoing obligations. AAI components, CERCLA liability relief, and ongoing obligations are discussed in the AAI Rule and in Appendix XI of the ASTM E 1527-05 Standard.

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Thank you for the opportunity to perform these services for you. Please do not hesitate to contact us if you have any questions or comments.

Sincerely yours,
HALEY & ALDRICH, INC.

Karin Crosby
Scientist

Robert Manriquez, P.G.
Project Manager

for Mehdi Merimadi
Senior Vice President

Enclosure

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REPORT ON
ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT
SDG&E PALA SUBSTATION, PALA, CALIFORNIA

by

Haley & Aldrich, Inc.
San Diego, California

The undersigned declare the following:

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

We have the specific qualifications based on education, training, and experience to assess the nature, history, and setting of the subject site and "develop opinions and conclusions regarding conditions indicative of releases or threatened releases." We have developed and performed the "all appropriate inquiries" (AAI) in conformance with the standards and practices set forth in 40 CFR Part 312.

Karin Crosby
Scientist

Robert Manriquez, P.G.
Project Manager

for Mehdi Merimadi
Senior Vice President

for

San Diego Gas & Electric
San Diego, California

File No. 34503-000
31 May 2007

HALEY & ALDRICH

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EXECUTIVE SUMMARY

Haley & Aldrich, Inc. (Haley & Aldrich) has performed a Phase I environmental site assessment (Phase I assessment) of the SDG&E Pala Substation property (herein referred to as the "subject site") in, Pala, California. The scope of work is described and conditioned by our proposal dated 2 May 2007. As indicated in our proposal, this Phase I assessment was performed in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-05 Standard) to comply with 40 Code of Federal Regulations (CFR) Part 312 (the All Appropriate Inquiries [AAI] Rule). Any deviations from this Standard, and/or data gaps and their significance are described in section 1.5 of this report. Our conclusions are intended to help the user evaluate the "business environmental risk" associated with the subject site, as defined in the ASTM E 1527-05 Standard and discussed in section 1.1 of this report.

The completion of this Phase I assessment is only one component of the process required to satisfy the AAI Rule. In addition, the user must adhere to a set of user responsibilities as defined by the ASTM Standard and the AAI Rule. User responsibilities are discussed in section 5.3 of this report. A user seeking protection from Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability as an innocent landowner, bona fide prospective purchaser, or contiguous property owner must complete all components of the AAI process in addition to meeting ongoing obligations. AAI components, CERCLA liability relief, and ongoing obligations are discussed in the AAI Rule and in Appendix XI of the ASTM E 1527-05 Standard.

The subject site is located on Pala Road, approximately four miles east of Interstate 15, in San Diego County, and includes the SDG&E Pala Substation property and surrounding areas, which total approximately 190 acres. The Assessor's Parcel Numbers (APNs) of the site are: 110-072-06, 110-150-02, 110-072-26, 110-072-30, 110-072-28 and 110-370-01. The subject site comprises an operational substation in the south west portion of the property, and a non-operational lemon grove and grassland in the north and central portion of the site. An enclosed compound was identified in the southern portion of the property but does not form part of the subject site. It is understood that a Project Site Area will be developed on the south west portion of the lemon grove and that a Construction Lay-Down Area will be developed in the southern portion of the site.

The substation occupies a footprint of 0.8 acres and comprises one large and one small transformer, oil and gas filled circuit breakers and control areas. Grounding plates are located throughout the area of the substation. The substation is surrounded by a brick wall of height approximately ten feet and two metal access gates located to the east. An asphalt road leads from Pala Del North Road to the substation. A dirt road leads from Pala Del North Road to the west of the lemon grove. An operational pole-mounted electrical transformer is present in the central portion of the grove and is connected to electric transmission lines to the east and west. Storage of metal, wood and aluminum sheeting was observed to the west of the lemon grove, on grassland.

The goal of the Phase I assessment was to identify any recognized environmental conditions (RECs), including historical RECs (HRECs) associated with the subject site, as defined in the ASTM E 1527-05 Standard and in section 1.1 of this report.

No data gaps were identified during the performance of this Phase I assessment. Thus, it is our opinion that sufficient information was obtained to identify subject site conditions indicative of

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releases or threatened releases of hazardous substances and petroleum hydrocarbons. Our opinion is limited by the conditions prevailing at the time our work is performed and the applicable regulatory requirements in effect.

KNOWN OR SUSPECT RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-05 Standard defines an REC as "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, ground water, or surface water of the property." Consistent with ASTM E1527-05 Section 12.5 (Report Format), and for the purposes of this assessment, those RECs that have been identified as being present with respect to the subject site are referred to as Known Recognized Environmental Conditions (KRECs), and those RECs that have been identified as being likely present with respect to the subject site are referred to as Suspect Recognized Environmental Conditions (SRECs). The ASTM E1527-05 Standard also requires that the report identifies *de minimus* conditions.

This Phase I assessment has revealed evidence of the following RECs:

Recognized Environmental Conditions

REC #1:	Potential presence of pesticides/herbicides in soil under the lemon groves and other areas of the site
Explanation:	Due to the former use of the subject site for agricultural activities, residual pesticides/herbicides may be present in onsite soil.
REC #2:	Presence of septic tank near/at enclosed compound
Explanation:	Site management reported that the enclosed compound is connected to a septic tank. The location and condition of this septic tank is unknown and may therefore be present under the subject site.

DE MINIMUS CONDITIONS

The ASTM E1527-05 Standard defines *de minimus* conditions as those conditions which "do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies." The ASTM Standard notes that "conditions determined to be *de minimis* are not recognized environmental conditions."

This Phase I assessment has revealed no evidence of *de minimus* conditions in connection with the subject site.

NON-SCOPE CONSIDERATIONS

The ASTM E 1527-05 Standard includes the following list of "additional issues" that are non scope considerations outside of the scope of the ASTM Phase I assessment practice: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, bio-agents, and mold. These items were not included in this Phase I assessment of the subject site.

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A limited assessment of the presence of PCBs is included in the ASTM work scope. Accordingly, our assessment of the presence of PCBs is limited to those potential sources specified in the ASTM E 1527-05 Standard as "electrical or hydraulic equipment known or likely to contain PCBs...to the extent visually and or physically observed or identified from the interview or records review."

SUMMARY AND RECOMMENDATIONS

In summary, three potential RECs were identified during this Phase I assessment. To address the RECs, we recommend the following:

- The older pole-mounted electrical transformer in the central portion of the lemon grove may be contaminated with PCBs. No leaks or staining were observed in the vicinity of the transformer and as such no immediate action is recommended. However, should this transformer be removed from the site, it should be tested for the presence of PCBs.
- The location and condition of the septic tank should be identified.
- Soil samples should be collected at the REC locations described above to determine the presence of pesticides/herbicides.

The remainder of this report contains additional information regarding the Phase I assessment, the resulting findings summarized above, and limitations affecting this report.

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APPENDIX B - Historical Research Documentation
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LIST OF FIGURES

Figure No.	Title
1	Project Locus
2	Site Plan

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1 INTRODUCTION

This report presents the results of a Phase I environmental site assessment (Phase I assessment) conducted at the Pala Substation in Pala, California (herein referred to as the "subject site"). This work was performed by Haley & Aldrich, Inc. (Haley & Aldrich), in accordance with our proposal to San Diego Gas & Electric (SDG&E) dated 2 May 2007 ("Agreement") as authorized by Haley & Aldrich on 4 April 2007, which Agreement is attached hereto as Appendix A. This Phase 1 assessment was performed in conformance with the scope and limitations of the American Society of Testing and Materials (ASTM) E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-05 Standard) to comply with 40 Code of Federal Regulations (CFR) Part 312 (the All Appropriate Inquiries [AAI] Rule).

1.1 Objective

The objective of this Phase I assessment was to identify recognized environmental conditions (RECs), including historical RECs (HRECs) associated with the subject site, by evaluating site history, existing observable conditions, current site use, and current and former uses of adjoining properties as well as potential releases at surrounding properties that may impact the subject site. The ASTM E 1527-05 Standard defines RECs as "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 a property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions."

In addition, the ASTM E 1527-05 Standard requires that HRECs be identified in the Phase I assessment report. The ASTM E 1527-05 Standard defines an HREC as an environmental condition "which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently."

Our conclusions are intended to help the user evaluate the "business environmental risk" associated with the subject site, defined in the ASTM E 1527-05 Standard 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..."

The completion of this Phase I assessment is only one component of the process required to satisfy the AAI Rule. In addition, the user must adhere to a set of user responsibilities as defined by the ASTM Standard and the AAI Rule. User responsibilities are discussed in section 5.3 of this report. A user seeking protection from Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability as an innocent landowner, bona fide prospective purchaser, or contiguous property owner must complete all components of the AAI process in addition to meeting ongoing obligations. AAI components, CERCLA liability relief,

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and ongoing obligations are discussed in the AAI Rule and in Appendix XI of the ASTM E 1527-05 Standard.

1.2 Site Identification

The subject site, comprised of approximately 190 acres, is located at Pala Road, San Diego County, as shown on the Project Locus, Figure 1. The APNs of the site are: 110-072-06, 110-150-02, 110-072-26, 110-072-30, 110-072-28 and 110-370-01. The subject site is currently owned by SDG&E and comprises an operational substation, and a non-operational lemon grove and grassland in the north and central portion of the site. The substation occupies a footprint of 0.8 acres and comprises one large and one small transformer, oil and gas filled circuit breakers and control areas. Grounding plates are located throughout the area of the substation. The substation is surrounded by a brick wall of height approximately ten feet and two metal access gates located to the east. An operational pole-mounted electrical transformer is present towards the centre of the lemon grove. This transformer is connected to electric transmission lines to the east and west. Storage of metal, wood and aluminum sheeting was observed on grassland to the west of the lemon grove.

1.3 Scope of Services

Haley & Aldrich performed the following scope of services to complete this Phase I assessment. These services were performed either by, or under the direct supervision of, an environmental professional as defined by the AAI Rule.

1. Conducted visual observations of site conditions, and of abutting property use, to evaluate the nature and type of activities that have been or are being conducted at and adjoining to the subject site, in terms of the potential for release or threat of release of hazardous substances or petroleum products.

2. Reviewed federal, state, tribal, and local environmental database information within the ASTM-specified distance from the subject site using a database service to access records. Used 7.5-minute topographic maps to evaluate the subject site's physical setting.

3. Reviewed state and local environmental files pertaining to the subject site and nearby sites with the potential to impact the subject site.

4. Reviewed previous reports prepared for the subject site.

5. Reviewed the following sources of historical use information: aerial photographs, and topographic maps.

6. Contacted state and local agencies regarding the subject site and surrounding properties and structures.

7. Interviewed the key site manager and property tenant representatives.

8. Interpreted the information and data assembled as a result of the above work tasks, and formulated conclusions regarding the potential presence and impact of RECs, including HRECs.

1.4 Non-Scope Considerations

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The ASTM E 1527-05 Standard includes the following list of "additional issues" that are non scope considerations outside of the scope of the ASTM Phase I assessment practice: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, bio-agents, and mold. These items were not included in this Phase I assessment of the subject site.

A limited assessment of the presence of polychlorinated biphenyls (PCBs) is included in the ASTM work scope. Accordingly, our assessment of the presence of PCBs is limited to those potential sources specified in the ASTM E 1527-05 Standard as "electrical or hydraulic equipment known or likely to contain PCBs...to the extent visually and or physically observed or identified from the interview or records review."

1.5 Exceptions and Deviations

1.5.1 Deviations

Haley & Aldrich completed this Phase I assessment in substantial conformance with the ASTM E 1527-05 Standard. In our opinion, no additions were made to or deviations and deletions made from the ASTM work scope in completing this Phase I assessment.

1.5.2 Data Gaps

No data gaps were identified during the performance of this Phase I assessment. Thus, it is our opinion that sufficient information was obtained to identify subject site conditions indicative of releases or threatened releases of hazardous substances and petroleum hydrocarbons. Our opinion is limited by the conditions prevailing at the time our work is performed and the applicable regulatory requirements in effect.

1.5.3 Limitations

Our work for this project was performed in accordance with the standards and practices set forth in 40 CFR Part 312 and is consistent with the ASTM E 1527-05 Standard for Phase I Environmental Site Assessments. Several organizations other than ASTM, such as professional associations ASFE and AGWSE, have also developed guidelines or standards for environmental site assessments. The Phase I assessment presented in this report may vary from the specific guidelines or standards required by other organizations.

This Phase I assessment was prepared pursuant to an Agreement dated 4 April 2007 between SDG&E and Haley & Aldrich, which Agreement is attached hereto and is made a part of this report. All uses of this report are subject to, and deemed accepting of, the conditions and restrictions contained in the Agreement. The observations and conclusions described in this report are based solely on the Scope of Services provided pursuant to the Agreement. Haley & Aldrich has not performed any additional observations, investigations, studies, or other testing not specified in the Agreement. Haley & Aldrich shall not be liable for the existence of any condition the discovery of which would have required the performance of services not authorized under the Agreement.

This report is prepared for the exclusive use of SDG&E in connection with benchmarking environmental conditions prior to the use of the site as a peaking generation facility. There are no intended beneficiaries other than SDG&E. Haley & Aldrich shall owe no duty whatsoever to any other person or entity on account of the Agreement or the report. Use of this report by any

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person or entity other than SDG&E for any purpose whatsoever is expressly forbidden unless such other person or entity obtains written authorization from SDG&E and from Haley & Aldrich. Use of this report by such other person or entity without the written authorization of SDG&E and Haley & Aldrich shall be at such other person's or entity's sole risk, and shall be without legal exposure or liability to Haley & Aldrich.

Use of this report by any person or entity, including by SDG&E, for a purpose other than for benchmarking environmental conditions prior to the use of the site as a peaking generation facility is expressly prohibited unless such person or entity obtains written authorization from Haley & Aldrich indicating that the report is adequate for such other use. Use of this report by any person or entity for such other purpose without written authorization by Haley & Aldrich shall be at such person's or entity's sole risk and shall be without legal exposure or liability to Haley & Aldrich.

This report reflects site conditions observed and described by records available to Haley & Aldrich as of the date of report preparation. The passage of time may result in significant changes in site conditions, technology, or economic conditions, which could alter the findings and/or recommendations of the report. Accordingly, SDG&E and any other party to whom the report is provided recognize and agree that Haley & Aldrich shall bear no liability for deviations from observed conditions or available records after the time of report preparation.

Use of this report by any person or entity in violation of the restrictions expressed in this report shall be deemed and accepted by the user as conclusive evidence that such use and the reliance placed on this report, or any portions thereof, is unreasonable, and that the user accepts full and exclusive responsibility and liability for any losses, damages, or other liability which may result.

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2 SITE DESCRIPTION

2.1 Site Ownership and Location

2.1.1 Name of Site Owner

San Diego Gas & Electric
8315 Century Park CT, CT21E
San Diego, California 92123

2.1.2 Name of Site Operator

Same as above

2.1.3 Project Locus Map

The United States Geologic Survey (USGS) topographic map for the subject site is the Pala Quadrangle, dated 1988 (see Figure 1). The USGS topographic map was used as the source for subject site setting information. The subject site is located in Pala, San Diego County, California. The APNs of the site are: 110-072-06, 110-150-02, 110-072-26, 110-072-30, 110-072-28 and 110-370-01.

2.2 Site and Vicinity Description

Figure 2 is a Site Plan of the subject site and shows relevant features of the subject site and immediately adjoining properties, as described below.

- The subject site consists of approximately 190 acres.
- The subject site is occupied by SDG&E. The subject site comprises an operational substation in the south west portion of the site, and a non-operational lemon grove and grassland in the north and central portion of the site.
- The substation occupies an area of 0.8 acres. It comprises a number of transformers, oil or gas filled circuit breakers and control areas. An operational pole-mounted electrical transformer is present in the central portion of the lemon grove and is connected to electric transmission lines.
- The area in the vicinity of the subject site is generally characterized as rural. A commercial property, Zalinda Farms, Inc. (a nursery) is present across Pala Road, southeast of the subject site.
- The subject site is bordered to the north and west by hills, to the south by Pala Road, and to the east by a dry creek bed.

2.3 Physical Setting

Subsurface explorations were not performed for this Phase I assessment; therefore, subject site geology and hydrology were evaluated on the basis of readily available public information or references, and/or based upon our experience and understanding of subsurface conditions in the area.

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2.3.1 Topography

Topographically, the subject site is on an upward slope towards the west to northwest, at an elevation of approximately 343 ft above sea level.

2.3.2 Geology

According to information on the U.S. Department of Agriculture Soil Conservation Service's State Soil Geographic Database (STATSGO) database, underlying soil comprises Las Posas deposits which can be characterized as stony, fine sandy loam. These deposits are Plutonic and Intrusive Rocks. Shallow deposits comprise coarse-grained soils, with sands, sand with fines, silty sand, and clayey sand to a depth of 12 inches below ground surface (bgs). Soil between 12 inches and 32 inches bgs comprises fine grained soil, with silts and clays. Deeper deposits (to a depth of 36 inches bgs) consist of weathered bedrock. According to the Gregory Canyon Landfill Environmental Impact Report (EIR), Las Posas deposits comprise stony fine sandy loam. The erosion potential of these deposits can be high to very high and runoff can be rapid to very rapid.

According to the Geologic Map of the Bonsall 7.5' Quadrangle, the site is underlain by Cretaceous, mostly hornblende-biotite tonalite.

No monitoring or pumping wells are located on the subject site. According to Environmental Data Resources, Inc. (EDR), no Federal Reporting data System (FRDS) public drinking water sources have been reported in the vicinity of the site. However, Mr. Jeffery Sykes, the key site manager, reported that water well is located across Pala Road, within ¼ miles south of the site. Seventeen Federal USGS wells and thirteen state database wells are also located within 1 mile of the subject site.

2.3.3 Hydrology

Based on surface topography, surface water at the subject site appears to flow from the northwest to southeast. Also based on topography, regional groundwater flow is anticipated to be to the southeast, generally toward the San Luis Rey River, located within ¼ mile southeast of the subject site. Hydrogeological investigations were not performed on the subject site during this Phase I assessment; therefore, it is unknown to what extent localized variations in groundwater depth and flow occur on the subject site.

No FEMA Flood Zone maps were provided by EDR for the subject site. No flood plain panels have been reported for the subject site or the surrounding area.

According to EDR, the subject site is located within a national wetland inventory area.

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3 PREVIOUS REPORTS

During its visit to Department of Toxic Substance Control Haley & Aldrich reviewed A Mitigation Negative Declaration Report (MND) prepared by Dudek &Associates, Inc., dated May 2001.

The report related to the expansion and replacement of the former substation at the subject site. The report concluded that it is unlikely that the substation poses a risk to the other areas of the subject site or neighboring properties.

No other environmental reports were provided to Haley and Aldrich by SDG&E.

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4 SITE HISTORY

4.1 Past Usage of the Site

Haley & Aldrich assessed past usage of the subject site through a review of the following sources:

- City directories dated between 1980 and 2005
- Aerial photographs dated 1939, 1946, 1953, 1963, 1974, 1989, 1995, and 2002
- Topographic maps dated 1904, 1947, 1950, 1968, 1982, 1988

Sanborn fire insurance maps were not available for the subject site. All historical photographs, maps and directories have been reproduced in Appendix B.

According to the aerial photograph dated 1939, the site was vacant and comprised grassland. By 1946, a grove was observed in the southern portion of the site. The grove expanded to the north during the 1950s, 1960s and 1970s. By 1974, a compound and an associated road leading to it from the present day Pala Road was observed in the southern portion of the site. According to the historical map of 1974, a structure assumed to form part of the present day Pala substation was also located in the south west portion of the subject site. A small road was observed between the present day Pala Del Norte Road and the structure. No further developments were observed on the aerial photographs dated 1989 and 1995. According to the aerial photograph of 2002, this structure expanded to the northwest, occupying the footprint of the current substation.

According to the site manager, Mr. Jeffery Sykes, the northern part of the subject site has always been utilized for agricultural purposes, specifically as a lemon grove. It is unknown whether pesticides have historically been applied to the site. The site manager reported that the grove has not been maintained for over three years; therefore, it is unlikely that pesticides have been added to the soil during that period.

Mr. Sykes reported that the enclosed compound located in the southern portion of the site was formerly used as a solar demonstration site. No further details were provided relating to the compound. Although this compound is located within the property boundary, it does not form part of the subject site for the purpose of this Phase I.

4.2 Past Usage of Adjoining Properties

The subject property was predominantly surrounded by vegetated land during the late 1930s. Grading activities were observed directly south and south east of the site during this period. A small agricultural field was located adjacent to the west of the subject site. A road was located south east, occupying the same footprint as the current Pala Road. Further grading was identified beyond this road to the south and south east of the subject site. Woodland was also observed south of this road.

By 1946, groves were present on part of the formerly graded land immediately south and south east of the subject site. According to the aerial photograph of 1953, the remaining grading activities south of the current day Pala Road expanded to the north and east.

According to the aerial photograph of 1963, further expansion of the graded land was observed to the south and east. Agricultural fields were observed south of this grading. A small road was also observed north east of the site during this period.

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According to the aerial photograph of 1974, grading activities expanded to the south, on the former agricultural fields south of the graded area. A network of roads was also located within the entire graded area. A series of impoundments were developed immediately south of the present day Pala Road, in the northern part of the graded area.

By 1989, further impoundments were located on the southern portion of the formerly graded area. The impoundments located north of the graded area became connected during this period. However, they jointly occupied a smaller surface area than the previous decade. Further grading activities were also observed south west of the site, west of the earlier grading activities. During the late 1980s and the 1990s, the position and size of impoundments continued to be modified.

According to the historical map of 1995, several buildings assumed to be warehouses were located on the graded area south west of the site. A car parking area associated with the warehouses south west of the subject site was developed by 2002. By 2002, most of the formerly graded area south of the site was redeveloped into impoundments.

The key site manager advised that the grading activities that took place to the south, south east and south west of the site were related to sand mining activities.

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5 ENVIRONMENTAL RECORDS REVIEW

5.1 Standard Environmental Records Review

Haley & Aldrich used the electronic database service of EDR to complete the environmental records review. The database search was used to identify properties that may be listed in the referenced agency records, located within the ASTM-specified approximate minimum search distances as shown in the table below. Section 5.1.1 presents a description of each database searched.

Database Searched	Approximate Minimum Search Distance	Subject Site Listed?	Number of Sites within Search Distance
NPL Sites	1 mile	No	0
Delisted NPL Sites	0.5 mile	No	0
CERCLIS Sites	0.5 mile	No	0
CERCLIS-NFRAP Sites	0.5 mile	No	0
Federal ERNS	Site only	No	0
RCRA non-CORRACTS TSD Facilities	0.5 mile	No	0
RCRA CORRACTS TSD Facilities	1 mile	No	0
RCRA Generators	Site & Adjoining	No	0
Federal Institutional Controls/Engineering Controls	Site Only	No	0
State and Tribal Equivalent NPL Sites	1 mile	No	0
State and Tribal Equivalent CERCLIS Sites	0.5 mile	No	0
State and Tribal Registered Storage Tanks	Site & Adjoining	No	0
State and Tribal Landfills and Solid Waste Disposal Sites	0.5 mile	No	0
State and Tribal Leaking Storage Tanks	0.5 mile	No	0
State and Tribal Institutional Controls/Engineering Controls	Site Only	Unknown	Unknown
State and Tribal Voluntary Cleanup Sites	0.5 mile	No	0
State and Tribal Brownfield Sites	0.5 mile	No	0

The EDR report also contains search results of other State environmental databases that are relevant to the subject site.

Haley & Aldrich also searched the Orphan Site List provided in the EDR report for the subject site and sites adjoining the subject site. Orphan sites are those that, due to incorrect or incomplete addresses, could not be mapped. Twenty eight properties within the vicinity of the subject site were identified on the Orphan Site List and include:

- Dixon Dam, Dixon Dam/Lake Dixon Spillway
- Benton Burn Dump, End of Still Water Glen
- Mayhew (Escondido I) Dump, Greenwood Place

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- East Escondido Dump, West Highway 78, 4 miles south east of Escondido
- San Pasqual Academy, San Pasqual Road, Highway 78
- Benton Dump, Still Water Glen
- Fallbrook Annex, Naval Weapons Station, Seal Beach
- Rainbow Farm, LLC., 0 Pala Road
- Fallbrook Burnsite, Stonepost Way
- Pala Casino Mini Mart, 1152 Highway 76
- Calmat-Pala, Highway 76, 7 miles east of I-15, Pala Indian Reservation
- Pala Band of Mission Indians, 1152 Highway 76
- Hanson Aggregates, Pala, 10331 Highway 76
- Calmat CO/Pala, Highway 76, east of I-15
- Brown Bulk Transportation Inc., 12802 Highway 76
- Acorn Mini Market, Highway 76 and Pala Mission Road
- Industrial Asphalt Products, Highway 76, 6 miles east of I-15
- Calmat, Industrial Asphalt, Highway 76, 6.7 miles east of I-15
- Pala Store, P.O. Box 154
- Pala Band of Mission Indians, North Henderson Road
- Pala Site, 6.5 miles east of Highway 15
- Calmat Company, Pala, 7 miles east of Highway I-15 at Highway 76
- Pala Band of Mission Indians, Trujillo Creek of Henderson Road
- Pala Reservation, Valenzuela
- Pala, 6.7 miles east of I-15 on St. Rt.
- Pala Indian Reservation, Highway 76, near Lilac Road
- Pacific Bell, O U.S. Highway 76
- Valley Center Landfill, 28700 Black Aerie Road

The complete environmental database report is provided in Appendix C.

5.1.1 Descriptions of Databases Searched

Numerous regulatory databases were searched during this Phase I assessment. Each database reviewed is described in the EDR report presented in Appendix C. Those databases required by the ASTM E 1527-05 Standard are identified below.

1. **NPL Sites:** The National Priorities List (NPL) is a list of contaminated sites that are considered the highest priority for cleanup by the U.S. Environmental Protection Agency (USEPA).

2. **Delisted NPL Sites:** The Delisted National Priorities List (NPL) is a list of formal NPL sites formerly considered the highest priority for cleanup by the USEPA that met the criteria of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) for deletion from the NPL because a no further response was appropriate.

3. **CERCLIS Sites:** The Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS) list identifies sites which are suspected to have contamination and require additional investigation to assess whether they should be considered for inclusion on the NPL.

4. **CERCLIS-NFRAP Sites:** CERCLIS-NFRAP status indicates that a site was once on the CERCLIS List but has No Further Response Actions Planned (NFRAP). Sites on the CERCLIS-NFRAP List were removed from the CERCLIS List in February 1995 because, after an initial investigation was

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performed, no contamination was found, contamination was removed quickly, or the contamination was not significant enough to warrant NPL status.

5. **Federal ERNS:** The Federal Emergency Response Notification System (ERNS) list tracks information on reported releases of oil and hazardous materials.

6. **RCRA non-CORRACTS TSD facilities:** The Resource Conservation and Recovery Act (RCRA) non-CORRACTS TSD Facilities List tracks facilities which treat, store, or dispose of hazardous waste and are not associated with corrective action activity.

7. **RCRA CORRACTS TSD facilities:** The RCRA CORRACTS TSD Facilities list catalogues facilities that treat, store, or dispose of hazardous waste and have been associated with corrective action activity.

8. **RCRA Generators:** The RCRA Generator list is maintained by the USEPA to track facilities that generate hazardous waste.

9. **Federal Institutional Controls/Engineering Controls:** The Federal Institutional Control list and Engineering Control list are maintained by the USEPA. Some Institutional Control and Engineering Control information may not be made publicly available, and therefore will not be included on this registry.

10. **State and Tribal Equivalent NPL/CERCLIS Sites:** The ASTM E 1527-05 Standard requires searching "State and Tribal Equivalent CERCLIS Sites." In California, the equivalent CERCLIS is the Cal-Sites database, which is maintained by the California Department of Toxic Substances Control (DTSC).

11. **State and Tribal Registered Storage Tanks:** In California, local regulatory agencies (e.g., County health departments and fire departments) and the State Water Resources Control Board (SWRCB) maintain lists of aboveground and underground storage tanks registered with those agencies (e.g., County health departments). For tribal property, the USEPA Region 9 maintains a list of underground storage tanks on Indian land.

12. **State and Tribal Landfills and Solid Waste Disposal Sites:** In California, the SWRCB in coordination with the RWQCBs, and the Integrated Waste Management Board (IWMB) maintain lists of regulated waste disposal sites.

13. **State and Tribal Leaking Storage Tanks:** In California, the SWRCB in coordination with the RWQCBs maintains lists of Leaking Storage Tanks (LUST/LAST). The LUST/LAST lists are a listing of release sites that have an underground or aboveground storage tank listed as the source. For tribal property, the USEPA Region 9 maintains a list of leaking underground storage tanks on Indian land.

14. **State and Tribal Institutional Controls/Engineering Controls:** The USEPA maintains lists of sites with Institutional controls or Engineering controls in place. In addition, DTSC maintains a list of environmental deed restrictions.

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15. **State and Tribal Voluntary Cleanup Sites:** In California, the DTSC, RWQCBs, and local regulatory agencies (e.g., County health departments) maintain lists of Voluntary Cleanup sites.

16. **State and Tribal Brownfield Sites:** In California, the DTSC maintains a list of Brownfield sites which includes any property where a redevelopment or re-use may be compromised by the presence or presumed presence of hazardous materials or petroleum.

17. **Other State Hazardous Waste Sites and Releases:** In California, the California Environmental Protection Agency (Cal/EPA) including DTSC, and the SWRCB including RWQCBs have created and/or maintain databases that identify hazardous waste sites and locations of hazardous substance releases/spills. These databases include:

- **SLIC** – The Spills, Leaks, Investigation and Cleanup (SLIC) database maintained by the RWQCBs identifies sites that are being investigated and/or remediated for known releases other than those associated with leaking USTs.
- **AWP** – The Annual Workplan Sites lists, formerly Bond Expenditure Plan (BEP) list, maintained by DTSC, identifies known hazardous **substance** sites targeted for cleanup.
- **CORTESE** – The CORTESE Hazardous Waste and Substances Sites list includes a **list** of public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The sites on this list were those included on the SWRCB Leaking Underground Storage Tank (LUST) list, the IWMB Solid Waste Information System (SWF/LF, also referred to as (SWIS), and the DTSC Cal-Sites. The CORTESE listing is no longer updated.
- **NOTIFY 65** - Notify 65 records contain facility notifications about any release that could impact drinking water and thereby expose the public to a potential health risk. The data comes from the SWRCB's Proposition 65 database.
- **CHMIRS** - The California Hazardous Material Incident Report System (CHMIRS), **maintained** by the Cal/EPA Office of Emergency Services, contains information on reported hazardous material incidents (accidental releases or spills).
- **NFA:** No Further Action Determination (NFA) sites are properties for which DTSC **has** made a clear determination that the property does not pose a problem to the environment or to public health.
- **REF:** Unconfirmed Properties Referred to Another Agency (REF) sites are properties where contamination has not been confirmed and which were **determined** as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

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- **SCH:** School Property Evaluation Program (SCH) sites are 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 Cal-Sites category depending on the level of threat to public health and safety or the environment they pose.
- **NFE:** Properties Needing Further Evaluation (NFE) are properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the Preliminary Endangerment Assessment (PEA) process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but it is not currently underway.

5.1.2 Detailed Description of Relevant Subject Site Listings

The subject site is not listed in any databases searched by EDR.

5.1.3 Detailed Descriptions of Relevant Nearby Site Listings

Surrounding sites were identified by EDR within a 1 mile radius of the subject site (see Appendix C, EDR Executive Summary). The information provided in the EDR report for these sites is summarized below.

One site, Pala Store, Pala Mission Road, is located within 1/8 mile upgradient of the subject site and is listed on the HAZNET database. EDR reports that this site recycles unspecified oil-containing waste. EDR did not report any violations relating to this site and as such it is unlikely that Pala Store poses a risk to the subject site.

One site, Pala Indian Reservation near Lilac Road, is located within 1/8 mile upgradient of the subject site and is listed on the ERNS database. EDR reported that in 1991, phosphorous red was spilled to land, following the dumping of Freon 3 containers and empty hydrochloric acid containers. Although this spill took place upgradient of the subject site, no additional environmental activities related to the spill were reported and therefore it is unlikely that this spill poses a threat to the subject site.

5.2 Additional Environmental Records Review

To supplement the (ASTM E 1527-05 Standard) environmental record sources, we contacted the following state and local government agencies, and/or reviewed the following additional sources:

5.2.1 Department of Toxic Substances Control (DTSC)

DTSC's Tiered Permitting Corrective Action group in Cypress, California holds a file relating to the Pala substation. A Mitigation Negative Declaration (MND) was submitted by Dudek & Associates, Inc. on behalf of SDG&E in May 2001 relating to the expansion and replacement of the former substation at the same location. A letter from DTSC dated 2 July 2001 required that the MND include details of historical or current uses on site that may have given rise to releases of hazardous substances or wastes. The MND also required a list of known or potentially contaminated sites within the area. Any hazardous releases during construction were to be mitigated, and the presence of lead paint and asbestos was to be investigated. Sempra Energy (owners of

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SDG&E) addressed these issues in a response to DTSC on 31 July 2001. Relevant correspondence with DTSC is included in Appendix E.

5.2.2 State Environmental Agency

The San Diego County Department of Environmental Health does not hold any records of reports or permits relating to the subject site.

5.2.3 The Metropolitan Wastewater Department Industrial Wastewater Control Program

This agency had not responded to our request at the time of completion of this report. However, if information significant to the subject site is obtained from them, the client will be notified and this report will be updated and amended.

5.2.4 Building/Planning Department

The San Diego County Building Department holds the following records for the Assessor Parcel Numbers relating to the subject site:

- 110-072-06: A pre-application meeting took place in 2000. No details relating to this meeting were available.
- 110-150-02: No records are held for this parcel.
- 110-072-26: An environmental review was undertaken in 2001. A pre-application meeting also took place in 2007. No further details relating to the review or the meeting were provided.
- 110-072-30: No records are held for this parcel.
- 110-072-28: No records are held for this parcel.
- 110-370-01: Two pre-application electrical permits were granted in 2002 for temporary power poles.

5.2.5 Fire Department

The Pala Fire Department advised that this department holds no records or permits relating to the subject facility.

5.2.6 San Diego Air Pollution Control District

This agency advised that it holds no records of air permits relating to the subject site.

5.3 User Responsibilities

The AAI Rule requires that the user of the report consider the following:

- Whether the user has specialized knowledge about previous ownership or uses of the subject site that may be material to identifying RECs;

- Whether the user has determined that the subject site's Title contains environmental liens or other information related to the environmental condition of the property, including engineering and institutional controls and Activity and Use Limitations (AULs), as defined by ASTM;

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- Whether the user is aware of commonly known or reasonably ascertainable information about the subject site including whether or not the presence of contamination is likely on the subject site and to what degree it can be detected; and

- Whether the user has prior knowledge that the price of the subject site has been reduced for environmentally related reasons.

We requested such information for inclusion in this report. In response to our request, SDG&E indicated that it has no specialized knowledge or information regarding the above. Though neither the AAI Rule nor the ASTM E 1527-05 Standard requires that this information be provided to the environmental professional(s), failure on the part of the user to obtain such information for their own records, should it be reasonably ascertainable, may invalidate the user's compliance with the AAI Rule for CERCLA liability protection in the future.

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6 SITE RECONNAISSANCE AND KEY PERSONNEL INTERVIEW(S)

A site visit to observe general site conditions was conducted by Kasra Nikkhah and Karin Crosby of Haley & Aldrich on 11 May 2007. An interview with Jeff Sykes of SDG&E, the key site manager, was performed in conjunction with this site visit. Haley & Aldrich observed the external portions of the subject site, including the property boundaries, and observed adjoining property conditions from the subject site boundaries and/or public thoroughfares. No weather-related conditions or other conditions that would limit our ability to observe the subject site or adjoining properties occurred during our site visit.

A separate site visit was undertaken on 24 May 2007 to inspect the substation. Mr. Casey Greenlee of SDG&E accompanied Haley & Aldrich into the substation and was also interviewed at that time. Mr. Chris Castro of SDG&E was also interviewed by telephone on 31 May 2007. The findings of the site visits and interviews are discussed below. Site photographs are included in Appendix D.

ASTM E 1527-05 Standard Section 10.8 requires that, prior to the site visit, the current subject site owner or key site manager and user, if different from the current owner or key site manager, be asked if there are any helpful documents that can be made available for review. These consist of environmental site assessment reports, audits, permits, tank registrations, Material Safety Data Sheets, Community Right-to-Know plans, safety plans, hydrogeologic or geotechnical reports, or hazardous waste generator reports. SDG&E indicated that no such documents exist for the subject site.

6.1 Subject Site Observations

6.1.1 Current Use of the Property

The subject site comprises an operational substation in the south west portion of the site, and a non-operational lemon grove and grassland in the north and central portion of the site. Access to the substation was provided by SDG&E. The substation comprises two transformers, oil and gas filled circuit breakers and control areas. Structures within the substation are located on concrete pads. These concrete pads appeared to be in good condition with no visual evidence of corrosion or cracks. The larger transformer is located within concrete secondary containment. Grounding plates are located throughout the area of the substation. The substation is surrounded by a brick wall and two metal access gates. An asphalt road leads from Pala Del North Road to the substation. An operational pole-mounted electrical transformer is present in the central portion of the lemon grove. This transformer is connected to electric transmission lines located to the east and west. Remnants of a bonfire were observed north of the lemon grove. A number of beehives are located west of the lemon grove. Storage of metal, wood and aluminum sheeting was observed to the west of the bee hives. This portion on the site has unrestricted access; a dirt road leads from Pala Del North Road to the west of the lemon grove.

6.1.2 General Description of Structures

The substation comprises one large and one small transformer, oil or SF6 gas filled circuit breakers and control areas. Structures within the substation area are located on concrete pads. The large transformer is located within a concrete secondary containment area in the central portion of the substation. No staining was observed under or around any of the structures. Grounding plates are located throughout the area of the substation. An electrical

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pole-mounted transformer is present towards the central portion of the site. This transformer is connected to electric transmission lines located to the east and west.

6.1.3 Potable Water Supply and Sewage Disposal System or Septic Systems

Evidence regarding potable water supply, sewage disposal systems or septic tanks was generally not observed during the site reconnaissance. An above ground storage tank (AST) containing water was identified immediately west of the enclosed compound in the southern portion of the site. According to Mr. Sykes, the AST contains irrigation water. It is unknown whether this water is potable.

According to the Mr. Sykes, the subject site is not connected to a municipal potable water supply system or a sewage disposal system. As described below, an underground septic tank is likely to be present at the subject site.

6.1.4 Use of Petroleum Products and Hazardous Materials

Evidence of petroleum products or other hazardous materials was not observed at the site.

6.1.5 Storage of Petroleum Products and Hazardous Materials (Storage Tanks, Drums)

It is unlikely that circuit breakers and transformers within the substation contain harmful substances such as PCBs: according to the Mitigation Negative Declaration prepared by Dudek & Associates, Inc. and subsequent correspondence between SDG&E and DTSC, the substation was redeveloped in 2001. This correspondence has been included in Appendix E. The operational pole-mounted electrical transformer located in the lemon grove may however contain PCBs.

6.1.6 Disposal of Petroleum Products and Hazardous Materials

Evidence regarding the disposal of petroleum products and hazardous materials was not observed during the site reconnaissance.

6.1.7 Storage Tanks

A water storage AST was observed immediately in the southern portion of the site, as described above.

6.1.8 Odors

Evidence of unusual odors was not observed at the subject site during the site reconnaissance.

6.1.9 PCBs Associated with Electrical or Hydraulic Equipment

According to Mr. Greenlee, the substation was redeveloped in 2001 and that all PCB containing equipment was removed from the site. An operational pole-mounted electrical transformer is located in the central portion of the lemon grove. Due to the age of this transformer, it is possible that it contains certain levels of PCBs.

6.1.10 Unidentified Substance Containers

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Evidence of unidentified substance containers was not observed during the site reconnaissance.

6.1.11 Heating and Cooling System

Evidence of heating and cooling systems was not observed at the subject site during site reconnaissance.

6.1.12 Stains or Corrosion on Floors, Walls, or Ceilings

Stains or corrosion within onsite structures (e.g., floors, walls, or ceilings) were not observed at the subject site during the site reconnaissance.

6.1.13 Floor Drains and Sumps

A concrete sump is present within the secondary containment surrounding the large transformer within the substation. The sump appeared to be in good condition during site reconnaissance. No staining was observed in or around the sump. No further evidence of floor drains or sumps was observed during the site reconnaissance.

6.1.14 Hydraulic Elevators

Evidence of hydraulic elevators was not observed at the subject site during the site reconnaissance.

6.1.15 Vehicle Maintenance Lifts

Evidence of vehicle maintenance lifts was not observed at the subject site during the site reconnaissance.

6.1.16 Emergency Generators and Sprinkler System Pumps

Evidence of emergency generators and sprinkler system pumps was not observed at the subject site during the site reconnaissance. Mr. Sykes confirmed that emergency generators and sprinkler systems are not present at the site.

6.1.17 Catch Basins

A catch basin was observed in the south western corner of the substation. The catch basin appeared to be in good condition with no evidence of staining during the site reconnaissance. During the site reconnaissance, the catch basin was secured with gravel bags.

6.1.18 Dry Wells

Evidence of dry wells was not observed at the subject site during the site reconnaissance.

6.1.19 Pits, Ponds, Lagoons, and Pools of Liquid

Evidence of pits, ponds, and lagoons was not observed at the subject site during the site reconnaissance.

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6.1.20 Stained Soil or Pavement

Evidence of stained soil or pavement was not observed at the subject site during the site reconnaissance.

6.1.21 Stressed Vegetation

A number of lemon trees appeared to be dead or stressed during the site reconnaissance. According to Mr. Sykes, the subject site has not been irrigated for at least three years. Therefore, the stressed/dead trees are likely the result of lack of water.

6.1.22 Solid Waste and Evidence of Waste Filling

Evidence of waste filling and solid waste storage was not observed at the site.

6.1.23 Wastewater and Stormwater Discharge

As described above, a catch basin was observed in the south western corner of the substation. Mr. Greenlee reported that stormwater is collected in this catch basin. According Mr. Castro, this catch basin collects stormwater and discharges off-site. However, the exact discharge location is unknown. Mr. Sykes reported that the site is not connected to the municipal stormwater or wastewater system.

6.1.24 Monitoring, Water Supply, or Irrigation Wells

According to the Mr. Sykes, no monitoring, water supply or irrigation wells are present at the subject site. Irrigation piping was observed during the site reconnaissance; however, Mr. Sykes reported that this system has been non-operational for at least three years. It is understood that irrigation water was previously stored in the AST located immediately west of the enclosed compound, in the southern portion of the site.

6.1.25 Sanitary Sewer and Septic Systems

Although evidence of septic systems was not observed at the subject site during the site reconnaissance, Mr. Sykes reported that a septic tank is located at the subject site and is associated with enclosed compound described in 6.2. The location of this septic tank is unknown.

6.2 Adjoining Property Observations

An enclosed compound is located in the southern portion of the property but does not form part of the subject site. The compound was inaccessible during the site reconnaissance and was observed from beyond the fence. The compound comprises four single storied buildings and a yard. The compound was reportedly historically used for a solar demonstration project.

An AST is located in the western portion of the compound. It is understood that the AST is used for water storage. The AST is connected to a metal container. Both the AST and the metal container are located on concrete pads. Although localized staining was observed next to the metal container on concrete pads, no staining was identified on surrounding areas of unmade ground. A vehicle battery was observed in the northern portion of the compound. This battery was stored on a wooden palette. No evidence of leaks was observed within the vicinity of the battery. Storage of at least three metal drums of capacity

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55 gallons and three metal containers was also observed externally. The nature of the liquid stored was unknown. Most drums and containers were located on wooden palettes. One drum was observed on unpaved ground. It could not be determined whether any staining was present in the immediate area of the drum storage areas from beyond the compound fence. However, the drums appeared to be in poor condition and corroded.

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7 FINDINGS AND CONCLUSIONS

Haley & Aldrich, Inc. (Haley & Aldrich) has performed a Phase I environmental site assessment (Phase I assessment) of the SDG&E Pala Substation property (herein referred to as the "subject site") in, Pala, California. The scope of work is described and conditioned by our proposal dated 2 May 2007. As indicated in our proposal, this Phase I assessment was performed in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-05 Standard) to comply with 40 Code of Federal Regulations (CFR) Part 312 (the All Appropriate Inquiries [AAI] Rule). Any deviations from this Standard, and/or data gaps and their significance are described in section 1.5 of this report. Our conclusions are intended to help the user evaluate the "business environmental risk" associated with the subject site, as defined in the ASTM E 1527-05 Standard and discussed in section 1.1 of this report.

The completion of this Phase I assessment is only one component of the process required to satisfy the AAI Rule. In addition, the user must adhere to a set of user responsibilities as defined by the ASTM Standard and the AAI Rule. User responsibilities are discussed in section 5.3 of this report. A user seeking protection from Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability as an innocent landowner, bona fide prospective purchaser, or contiguous property owner must complete all components of the AAI process in addition to meeting ongoing obligations. AAI components, CERCLA liability relief, and ongoing obligations are discussed in the AAI Rule and in Appendix XI of the ASTM E 1527-05 Standard.

The subject site is located on Pala Road, approximately four miles east of Interstate 15, in San Diego County, and includes the SDG&E Pala Substation property and surrounding areas, which total approximately 190 acres. The Assessor's Parcel Numbers (APNs) of the site are: 110-072-06, 110-150-02, 110-072-26, 110-072-30, 110-072-28 and 110-370-01. The subject site comprises an operational substation in the south west portion of the property, and a non-operational lemon grove and grassland in the north and central portion of the site. An enclosed compound was identified in the southern portion of the property but does not form part of the subject site. It is understood that a Project Site Area will be developed on the south west portion of the lemon grove and that a Construction Lay-Down Area will be developed in the southern portion of the site.

The substation occupies a footprint of 0.8 acres and comprises one large and one small transformer, oil and gas filled circuit breakers and control areas. Grounding plates are located throughout the area of the substation. The substation is surrounded by a brick wall of height approximately ten feet and two metal access gates located to the east. An asphalt road leads from Pala Del North Road to the substation. A dirt road leads from Pala Del North Road to the west of the lemon grove. An operational pole-mounted electrical transformer is present in the central portion of the grove and is connected to electric transmission lines to the east and west. Storage of metal, wood and aluminum sheeting was observed to the west of the lemon grove, on grassland.

The goal of the Phase I assessment was to identify any recognized environmental conditions (RECs), including historical RECs (HRECs) associated with the subject site, as defined in the ASTM E 1527-05 Standard and in section 1.1 of this report.

No data gaps were identified during the performance of this Phase I assessment. Thus, it is our opinion that sufficient information was obtained to identify subject site conditions indicative of

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releases or threatened releases of hazardous substances and petroleum hydrocarbons. Our opinion is limited by the conditions prevailing at the time our work is performed and the applicable regulatory requirements in effect.

KNOWN OR SUSPECT RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-05 Standard defines an REC as "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, ground water, or surface water of the property." Consistent with ASTM E1527-05 Section 12.5 (Report Format), and for the purposes of this assessment, those RECs that have been identified as being present with respect to the subject site are referred to as Known Recognized Environmental Conditions (KRECs), and those RECs that have been identified as being likely present with respect to the subject site are referred to as Suspect Recognized Environmental Conditions (SRECs). The ASTM E1527-05 Standard also requires that the report identifies *de minimus* conditions.

This Phase I assessment has revealed evidence of the following RECs:

Recognized Environmental Conditions

REC #1:	Potential presence of pesticides/herbicides in soil under the lemon groves and other areas of the site
Explanation:	Due to the former use of the subject site for agricultural activities, residual pesticides/herbicides may be present in onsite soil.
REC #2:	Presence of septic tank near/at enclosed compound
Explanation:	Site management reported that the enclosed compound is connected to a septic tank. The location and condition of this septic tank is unknown and may therefore be present under the subject site.

DE MINIMUS CONDITIONS

The ASTM E1527-05 Standard defines *de minimus* conditions as those conditions which "do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies." The ASTM Standard notes that "conditions determined to be *de minimis* are not recognized environmental conditions."

This Phase I assessment has revealed no evidence of *de minimus* conditions in connection with the subject site.

NON-SCOPE CONSIDERATIONS

The ASTM E 1527-05 Standard includes the following list of "additional issues" that are non scope considerations outside of the scope of the ASTM Phase I assessment practice: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, bio-agents, and mold. These items were not included in this Phase I assessment of the subject site.

A limited assessment of the presence of PCBs is included in the ASTM work scope. Accordingly, our assessment of the presence of PCBs is limited to those potential sources

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specified in the ASTM E 1527-05 Standard as "electrical or hydraulic equipment known or likely to contain PCBs...to the extent visually and or physically observed or identified from the interview or records review."

SUMMARY AND RECOMMENDATIONS

In summary, three potential RECs were identified during this Phase I assessment. To address the RECs, we recommend the following:

- The older pole-mounted electrical transformer in the central portion of the lemon grove may be contaminated with PCBs. No leaks or staining were observed in the vicinity of the transformer and as such no immediate action is recommended. However, should this transformer be removed from the site, it should be tested for the presence of PCBs.
- The location and condition of the septic tank should be identified.
- Soil samples should be collected at the REC locations described above to determine the presence of pesticides/herbicides.

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8 CREDENTIALS

This Phase I assessment report was prepared by Karin Crosby, under the direct supervision of Robert Manriquez and Mehdi Merimadi, who served as the Project Manager and Officer-in-Charge of this project, respectively. Qualification information for the project personnel is provided below.

Karin Crosby
Scientist

Ms. Crosby has 4 years experience in environmental consulting. Her work encompasses environmental investigating, auditing, permitting, management systems and training. She has managed a number of Phase I and Phase II assessments of contaminated land, providing advice to developers and investors. She has also been involved in a number of industrial site closures and associated risk assessments. Ms. Crosby has experience in undertaking environmental, health and safety (EHS) due diligence audits internationally. She has assisted multi-national clients to produce documentation and environmental management systems to comply with regulatory requirements and best practice.

Robert Manriquez, PG
Project Manger

Mr. Manriquez is a licensed Geologist in the State of California and has over 20 years of experience in the investigation, remediation, and closure of contaminated sites with particular focus on redevelopment of large contaminated industrial properties. Mr. Manriquez is currently involved in several redevelopment projects for industrial properties in Southern California involving soil excavation, facility decommissioning, demolition, and construction oversight. He specializes in remedial investigations/feasibility studies (RI/FS), evaluation of remedial alternatives, hydrogeologic investigations, and regulatory compliance. He has performed and overseen many Phase I Site Assessments for due diligence purposes of industrial and development properties.

MEHDI MIREMADI
Officer-in-Charge

Mr. Miremadi has over 25 years of experience in investigation, remediation, and closure of contaminated sites with particular focus on redevelopment of large contaminated industrial properties. Mr. Miremadi is currently the program manager for redevelopment of over 10 large industrial properties in Southern California involving soil excavation, facility decommissioning, demolition, and construction oversight. He specializes in remedial investigations/feasibility studies (RI/FS), evaluation of remedial alternatives, hydrogeologic investigations, health risk assessment, conceptual and detail design of soil and groundwater remediation systems, contaminant fate and transport assessment and modeling, regulatory compliance, and water resources studies. remediation of sites contaminated with chlorinated hydrocarbons and metals and has been retained as an expert in the area of degradation of chlorinated hydrocarbons and their fate and transport in the subsurface.

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REFERENCES

1. Mr. Chris Castro of SDG&E, interview with Haley & Aldrich of San Diego, 31 May 2007.

2. Department of Environmental Health, of San Diego County, telecommunication with Haley & Aldrich, 5 May 2007.

3. Department of Environmental Health, of San Diego County, Gregory Canyon Environmental Impact Report, 2003.

4. Department of Toxic Substances Control Tiered Permitting Corrective Action group, Cypress, review of files by Haley & Aldrich, 14 April 2007.

5. EDR Radius Map with GeoCheck, Dated 7 May 2007

6. EDR Aerial photographs dated 1939, 1946, 1953, 1963, 1974, 1989, 1995 and 2002

7. Mr. Casey Greenlee of SDG&E, interview with Haley & Aldrich of San Diego, 24 May 2007.

8. Haley & Aldrich, site visit conducted by Kasra Nikkhah and Karin Crosby on 11 May 2007.

9. Mr. Jeffery Sykes of SDG&E, interview with Haley & Aldrich of San Diego, 11 May 2007.

10. Topographic Map, Southern California Sheet 2, United States Geological Survey 7.5 minute series, 1988.

11. United States Geological Service and the California Department of Conservation Geologic Map of the Bonsall 7.5' Quadrangle, San Diego County, California: A Digital Database.

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Section Divider:
APPENDIX A

APPENDIX A

Haley & Aldrich proposal dated 2 May 2007

Haley & Aldrich, Inc.
[illegible] Road
Suite 220
San Diego, CA 92[illegible]

Tel: 619.280.9210
Fax: 619.280.9415
Haley-Aldrich.com

HALEY & ALDRICH

02 May 2007

San Diego Gas & Electric
8315 Century Park CT, CT21E
San Diego, CA 92123

Attention: Ms. Barbara Montgomery

Subject: Consulting Services
Phase I and II activities
Pala Substation Property
Pala, California

Dear Ms. Montgomery:

Pursuant to your request, Haley & Aldrich, Inc. (Haley & Aldrich) is pleased to submit this proposal to San Diego Gas & Electric (SDG&E) to provide environmental consulting services. Based on information provided by you, we provide the following proposal to conduct the Phase I and limited Phase II environmental site assessment activities for the above substation site.

PROJECT UNDERSTANDING AND BACKGROUND

SDG&E has requested professional consultant services from Haley & Aldrich in support of benchmarking environmental conditions at the SDG&E Pala substation located in Pala within the County of San Diego. For this project Haley & Aldrich is to conduct a Phase I Environmental Site Assessment (Phase I ESA) and conduct a Phase II ESA baseline study of soil and groundwater conditions at select locations across the site, based on the findings of the Phase I ESA. It is our understanding that the site is planned for use as a peaking generation facility, and offered up as a generation site in a public Request for Offers. The project site includes the SDG&E Pala substation property and surrounding areas which are a combined approximately 190 acres.

The 190 acre parcel will be the subject of the Phase I. The Phase II activities will focus on the portion of the Pala site noted as the Orange Grove Project. Based upon the figure provided by you, there are two areas of the Orange Grove Project identified as: Equipment Location (gray area 8.5 acres); and construction lay-down (8 acres), which will each be the focus of the Phase II investigation.

The entire 190 acre property is identified with Assessor Parcel Numbers: 110-072-06 & 110-150-02: 110-072-26 and 110-370-01. The property is approximately 4 miles east of Interstate 15. Lastly, the Phase II ESA is proposed for soil and groundwater sampling and testing, provided site conditions allow. The scope of the Phase I and II ESA services is further outlined below.

SCOPE OF WORK

Task 1 – Phase I Environmental Site Assessment (Phase I Assessment)

Overview and Objective

Task 1 of this proposal presents our scope of work to perform a Phase I assessment of the subject Site, using methods consistent with the American Society of Testing and Materials (ASTM) E1527-05 Standard Practice for Environmental Site Assessments to comply with 40 CFR Part 312 (the All Appropriate Inquiries [AAI] Rule). The completion of this Phase I assessment is only one component of the process required to satisfy the AAI Rule. In addition, the user must adhere to a set of user responsibilities as defined by the ASTM Standard and the AAI Rule. User responsibilities are discussed below. A user seeking protection from Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability as an innocent landowner, bona fide prospective purchaser, or contiguous property owner must complete all components of the AAI process in addition to meeting ongoing obligations. AAI components, CERCLA liability relief, and ongoing obligations are discussed in the AAI Rule and in Appendix XI of the ASTM E 1527-05 Standard.

The goal of a Phase I assessment is to evaluate site history, existing observable conditions, current site use, and current and former uses of surrounding properties to identify the potential presence of "Recognized Environmental Conditions (RECs)" associated with the subject site. RECs are defined in the ASTM E 1527-05 Standard as "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 at the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

In addition, the ASTM E 1527-05 Standard requires that historical RECs (HRECs) and known or suspect environmental conditions are identified in the Phase I assessment report. The standard defines HRECs as environmental conditions "which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently." The term "known or suspect environmental condition" is not specifically defined in the standard, but is used by Haley & Aldrich to highlight environmentally-related information that is not anticipated to adversely affect the subject site and/or does not rise to the level of an REC.

The ASTM E 1527-05 Standard requires an opinion of the potential impacts of REC(s) identified on a site during a Phase I assessment. Our conclusions regarding the potential impact of RECs on the subject site are intended to help the user evaluate the "business environmental risk" associated with the subject site, defined by ASTM as "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations..." The non-scope considerations listed in ASTM E 1527-05 are also discussed below.

Proposed Phase I Assessment Scope of Work

The Phase I assessment work scope described below has been developed to be consistent with the ASTM E 1527-05 Standard, based on our current understanding of the subject site. The Phase I assessment consists of four components: Records Review; Site Reconnaissance; Interviews; and Report Preparation. The scope of work specific for each component is described below.

1. Records Review - Haley & Aldrich will assemble and review readily available information on site history and usage as it relates to the presence of hazardous substances and petroleum products that would constitute RECs on the subject site. The ASTM standard lists standard and additional records for review.

   We will review information from the mandatory databases within the ASTM-specified approximate minimum search distances. The mandatory databases include: NPL; Delisted NPL; CERCLIS; CERCLIS NFRAP; ERNS; RCRA non-CORRACTS TSD; RCRA CORRACTS TSD; RCRA Generators; Federal Institutional and Engineering Controls; State and Tribal Landfills and Solid Waste Disposal Sites; State and Tribal equivalent NPL and CERCLIS Sites; State and Tribal Registered Storage Tanks; State and Tribal Leaking Storage Tanks; State and Tribal Institutional and Engineering Controls; State and Tribal Voluntary Clean-up Sites; and State and Tribal Brownfields Sites. We intend to use an electronic database service to provide a report summarizing information from the required records, and will rely on the database service to conform to ASTM requirements for currency of the information. Should the database search report identify listed sites with the potential to impact the subject site, Haley & Aldrich may review the federal or state files pertaining to the listed sites, as reasonably ascertainable and practically reviewable. The budget presented below does not include costs for review of files at more than one agency's office.

   As required by ASTM, a current 7.5-minute U.S. Geologic Survey (USGS) topographic map or equivalent will be used to evaluate the physical setting in the subject site area, and will be supplemented by discretionary review of readily available information concerning surface topography, surface water, soil, bedrock, and groundwater conditions on and in the vicinity of the subject site.

   To complete the ASTM discretionary records review, Haley & Aldrich may contact one or more of the following local or regional agencies concerning the subject site: Health Department, Fire Department, Water Department, Planning or Zoning Board, and Engineering Department. We will contact the agencies for information concerning records related to storage, use, or release of hazardous substances or petroleum products that may constitute RECs on the subject site, and will document our contacts in writing.

   ASTM requires that "obvious uses" of the subject site be identified from the present back to the first developed use or back to 1940, whichever is earlier. In order to complete that task, Haley & Aldrich will review one or more of the following ASTM-listed standard historical sources: Aerial photographs, fire insurance maps, property tax files, recorded land title records, USGS topographic maps, local street directories, building department records, and zoning/land use records. Haley & Aldrich may also

review ASTM-listed "other historical sources" including newspaper archives, internet sites, and local libraries and historical societies.

Haley & Aldrich will review previous reports prepared for the subject site, if provided. For budgeting purposes, we have included costs for up to 4 hours of time devoted to reviewing previous reports. Additional time spent reviewing previous reports will be billed separately.

Pursuant to the ASTM Standard, records identified by ASTM as "Additional" or "Other" will be reviewed when, in Haley & Aldrich's judgment, they are (1) reasonably ascertainable; (2) sufficiently useful, accurate, and complete; and (3) generally obtained pursuant to local good commercial or customary practice.

2. Site Reconnaissance - Haley & Aldrich will visit the subject site and view interior and exterior conditions to assess the nature and type of activities that have been conducted with respect to the potential for RECs to be present. Haley & Aldrich will observe and document visible evidence of current and past usage of the subject site, particularly related to potential filling, previous structures, sewage disposal systems, hazardous substances, petroleum products, storage tanks, and evidence of spills or releases of hazardous substances or petroleum products. We understand that you will make all areas of the subject site accessible to our representative(s) for the site visit. Conditions of adjoining properties will also be observed from the subject site boundaries and/or public thoroughfares. For budgeting purposes, we have assumed that all areas of the subject site will be made accessible and that the site reconnaissance will be conducted in one site visit, during normal working hours.

   Our observations and conclusions related to the site reconnaissance may be limited by prevailing weather conditions or other conditions at the time of our site visit. Our report will include a discussion of factors limiting our site reconnaissance, if applicable.

3. Interviews with Owners and Occupants - The ASTM Standard requires that interviews be performed with a "Key Site Manager" (the owner or occupant of the subject site) and with representatives of building occupants. In accordance with ASTM, an interview will be conducted with a representative of each occupant if the building has five or fewer occupants. If the building contains more than five occupants, an interview will be conducted with those major occupants, as defined by ASTM, and those occupants whose operations could indicate RECs in connection with the subject site. We request that the current owner(s) or representative(s) be notified of our visit and be asked to participate in an interview regarding subject site usage and history. Further, as required by the ASTM standard, we ask that you request that the current site owner assemble and make available to Haley & Aldrich copies of previous environmental investigations and audits of the property, and other information related to storage, use, or release of hazardous substances or petroleum products at the subject site, such as environmental permits, registrations for tanks, material safety data sheets, or waste disposal records.

4. Interview with State and/or Local Government Officials – Haley & Aldrich may interview one or more state and/or local government officials in conjunction with the state and local government records review with the intention to obtain information indicating potential RECs in connection with the subject site.

5. Evaluation and Report - Haley & Aldrich will interpret the information and data assembled from work scope items No. 1 through No. 4 above, and will formulate conclusions regarding evidence of RECs at the subject site and their potential impact on the subject site. We will prepare a draft report of the Phase I and Phase II assessment (see below) activities for your review. The report will include a summary of the results of our assessments and a discussion of our conclusions regarding the potential presence and impact of RECs in connection with the subject site, based on the work scope described herein under Tasks 1 and 2. After addressing your comments, if any, we will prepare and submit to you five copies of a final report.

The report will be prepared in accordance with the standards and practices set forth in 40 CFR Part 312, and consistent with ASTM E 1527-05. Documentation supporting the conclusions presented will be appended to the report. As required by ASTM, our final report will include declarations that the Phase I assessment was conducted consistent with the scope and limitations of the ASTM Standard, and that the persons who signed the report meet the definition of environmental professional. In addition, the Phase I assessment report will indicate whether RECs were or were not identified in connection with the subject site, and whether there are any data gaps. If data gaps are identified, Haley & Aldrich will indicate whether they are considered significant (i.e., affect our ability to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum hydrocarbons).

User-provided Information

The AAI Rule requires that the user consider the following:

- Whether the user of the report has specialized knowledge about previous ownership or uses of the subject site that may be material to identifying RECs,
- Whether the user has determined that the subject site's Title contains environmental liens or other information related to the environmental condition of the property, including engineering and institutional controls and Activity and Use Limitations (AULs), as defined by ASTM,
- Whether the user is aware of commonly known or reasonably ascertainable information about the subject site including whether or not the presence of contamination is likely on the subject site and to what degree it can be detected, and
- Whether the user of the report has prior knowledge that the price of the subject site has been reduced for environmentally related reasons.

We request that you provide this information to us for inclusion in our report. Though it is not required by the AAI Rule or the ASTM Standard that this information be provided to Haley & Aldrich, failure on the part of the user to obtain such information for their own records, should it be reasonably ascertainable, may violate the user's ability for CERCLA liability protection in the future.

Out-of-Scope Services

Our work scope for this project will be performed in accordance with the standards and practices set forth in 40 CFR Part 312, and consistent with the ASTM E 1527-05 Standard for

Phase I Environmental Site Assessments. Several organizations other than ASTM, such as the Federal Home Loan Bank Board, the Resolution Trust Corporation, and Professional Associations, have also developed "guidelines" or "standards" for environmental site assessments. The scope of work for the Phase I assessment outlined above may vary from the specific "guidelines" or "standards" required by other organizations. If this project requires conformance with a specific "guideline" or "standard" other than ASTM, we will be pleased to review our proposal considering the specific requirements, and we will revise and resubmit this proposal, if necessary. Unless specifically referenced in this proposal, the work scope and report will not address other guidelines or standards.

The ASTM E 1527-05 Standard includes the following list of "additional issues" that are non-scope considerations outside of the ASTM Phase I practice: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, bio-agents and mold. Assessment of these items is not included in our proposed work scope. A limited assessment of the presence of PCBs is included in the ASTM work scope; accordingly, our assessment of the presence of PCBs is limited to those potential sources specified in the ASTM Standard as "electrical or hydraulic equipment known or likely to contain PCBs…to the extent visually and or physically observed or identified from the interview or records review."

Task 2 – Phase II Environmental Site Assessment

Overview and Objective

Task 2 of this proposal presents our scope of work for Phase II activities. The objective of a Phase II assessment is to obtain information regarding the nature and the extent to which the assessed RECs identified during the Phase I assessment appear to have impacted the subject site. The results of the Phase I will be used to finalize the actual number and locations of the proposed soil and groundwater borings and the necessary laboratory analysis. If needed, project scope and budget will be modified accordingly.

For the purposes of this proposal, it is assumed that the Phase II activities are being conducted for due diligence purposes and that investigation activities would be focused on existing or former work areas or building footprints. The Phase II activities will be limited to the 16.5 acres identified in the figures provided to Haley & Aldrich by SDG&E. As requested by SDG&E we propose soil and groundwater samples be obtained at select locations in portions of the site which are to be developed, and in vicinity to former work areas, if identified during the Phase I. The Phase II scope of work outlined herein may be modified based on the results of the Phase I assessment. Should that occur, a separate proposal will be provided to modify the proposed Phase II assessment activities, as deemed warranted.

Proposed Phase II ESA Scope of Work

- Retain the following subcontractor services: Utility clearance, drilling subcontractor, and analytical laboratories.
- Prepare a Site-specific Health & Safety Plan to be used by Haley & Aldrich during onsite investigations.

- Based on the results of the Phase I conduct a site visit to position and mark-out the soil and groundwater boring/sampling locations.

- Obtain boring permits for the 2 borings to be used for the collection of groundwater samples. A permit application and fees will be prepared and provided to the County of San Diego Department of Environmental Health (DEH), Site Assessment and Mitigiaton (SAM) Program for approval prior to sampling groundwater. We anticipate it will take approximately 10 working days to acquire the boring permit.

- Provide subsurface clearance activities at the proposed boring locations. This activity would include notifying Dig Alert within 48 hours prior to commencement of field activities and contracting an independent utility location company to clearly mark-out any subsurface conflicts at the proposed boring locations. Conflicts will be resolved prior to boring advancement by adjusting the boring locations, as necessary.

- Collect soil samples from up to five (5) borings drilled to approximately 5 feet bgs using a direct-push drilling rig. Soil samples will be collected at depths of 6-to-12-inches, 2 and 4–feet for logging and PID screening. The following analytical program will be implemented and could be modified depending upon the field observations:

  - Analyze the 6-to-12-inch depth soil samples from each boring (total of five samples) for: total petroleum hydrocarbons (TPH) analysis by modified EPA Method 8015, Pesticides following EPA Method 8081, for 1, 2-dibromo-3-chloropropane (DBCP); for chlorinated herbicides following EPA Method 8150 or equivalent and arsenic following EPA Method 6010.

  - Analyze the 2-foot soil samples from each boring (total of five samples) for: total petroleum hydrocarbons (TPH) analysis by modified EPA Method 8015.

  - Place the 4-foot soil samples from each boring (total of five samples) on hold, pending the results of the 6-12-inch and 2-foot samples. If elevated concentrations are detected in the shallow soil samples, the 4-foot samples will be analyzed for similar constituents.

  - The samples exhibiting the greatest TPH concentration from each boring will also be analyzed for VOCs by EPA Method 8260B, polychlorinated biphenyls (PCBs) by EPA Method 8082 and Title 22 metals.

- The soil samples will be collected by a direct-push drill rig, using a sampling tube containing acetate sleeves which will be cut in the field at the above specified sampling depths. Selected sample sleeves will be sealed with Teflon tape and capped. Each sample will be labeled, stored in an ice-chilled cooler, and transported to a stationary California-certified analytical laboratory under standard chain-of-custody procedures. It is our experience and understanding that SDG&E will contract with the analytical laboratory directly and will compensate them directly for their services.

- Collect up to 2 groundwater samples by advancing two of the soil borings to approximately 20 feet bgs. The groundwater samples will be collected from the same borings used to collect soil samples using a direct-push drill rig.

- Analyze the groundwater samples will for TPH analysis by modified EPA Method 8015 and VOCs by EPA Method 8260B.

- The groundwater samples will be collected into laboratory provided containers. Each sample will be labeled, stored in an ice-chilled cooler, and transported to a stationary California-certified analytical laboratory under standard chain-of-custody procedures. It is our experience and understanding that SDG&E will contract with the analytical laboratory directly and will compensate them directly for their services.

- Backfill each soil boring with a bentonite slurry and complete the surface with either asphalt or concrete to match the existing adjacent surface.

- Should refusal be encountered, then SDG&E will be contacted to discuss alternatives for the project, including but not limited to using upgraded drilling technology or stopping the field activities.

- Prepare a summary of the field activities, analytical results, and conclusions and recommendations in a separate section of the Phase I/II assessment report (identified in Task 1, above). The report will include figures showing the approximate locations of the borings, tables summarizing the analytical results, and the laboratory reports.

COSTS

- Services associated with completing the combination Phase I and II Environmental Site Assessments for the Site are estimated to be **$14,794,** which includes lump sum fees of **$3,900** for the Phase I and **$10,894** for the Phase II activities. Our estimated cost for each task is as follows:

Task 1: Phase I Environmental Site Assessment	$ 3,900
Task 2: Phase II Environmental Site Assessment	$10,894
TOTAL	**$14,794**

ASSUMPTONS

The following assumptions were made during the preparation of this proposal:

- Access to the subject site(s) will be provided by the current tenant during normal working hours.

- SDG&E staff will accompany Haley & Aldrich staff during the Phase I and Phase II activities, to clarify the site boundaries and limits of the Phase I activities, and facilitate project execution, as needed.

- The independent Utility survey will occur the same day as the field activities.

- The Phase II scope of work outlined herein may be modified based on the results of the Phase I assessment. Should that occur, a separate proposal will be provided to modify the proposed Phase II assessment activities, as deemed warranted.

- It is our experience and understanding that SDG&E will contract directly with the analytical laboratory and compensate them directly. Therefore costs for analytical services are not included.
- Costs for disposal of soil cuttings and generated waste during site investigations are not included and will be the responsibility of SDG&E.
- The field activities will be conducted in Level D personnel protective equipment (PPE). PPE and general trash (e.g., paper, plastic) generated during the Phase II activities will be placed in a plastic trash bag, sealed, and disposed of as municipal trash.
- Should refusal or no groundwater be encountered during the drilling activities, due to site conditions, SDG&E will be consulted to plan alternative sample collection drilling technology, which would involve the selection of alternate technology and likewise an increased project budget. SDG&E will be notified and be required to approve the increased project budget estimate, prior to redeploying to the field.
- We anticipate it will take approximately 10 working days to acquire the boring permit.

SCHEDULE

We will provide a draft copy of our Phase I/II assessment report for your review within approximately 4 weeks of our receipt of a signed copy of this proposal or authorization and Site access by SDG&E, whichever occurs last. The proposed schedule may vary depending upon subcontractor availability, which is outside of Haley & Aldrich, Inc. control.

AUTHORIZATION

Our report will be prepared for the exclusive use of SDG&E, solely for the purposes stated in this proposal. The report may not be circulated or conveyed, in whole or in part, to any other party, nor used by any other party, without the prior written permission of Haley & Aldrich. We agree, however, that the report may be conveyed to other parties associated with the proximate transfer of the property, subject to their acceptance of the terms of this proposal and our attached "Standard Terms and Conditions" and "Standard Fee Schedule". Such other parties must agree that they will not rely on the information provided in the report, recognizing the work was not performed for them, nor was it done with their specific needs, interests, risk tolerance, or expectations in mind.

Mr. Robert Manriquez, P.G. will serve as the Project Manager and Mr. Mehdi Miremadi will act as the Officer-in-Charge of the project.

This proposal is valid for a period of 60 days from the date of this letter. If acceptance and authorization to proceed are not received within that period, we reserve the right to renegotiate the estimated costs and scope of work.

Consulting services will be provided in accordance with the terms and conditions of the mutually agreed master services agreement between Haley & Aldrich, Inc. and SDG&E. We anticipate that a separate Purchase Order will be issued by SDG&E for this work, which is integral to this proposal.

If the above arrangements are satisfactory to you, please indicate your approval by signing and returning one copy of this letter. When accepted by you, this proposal together with the referenced SDG&E Purchase Order will constitute our Agreement.

CLOSING

We appreciate the opportunity to submit this proposal and look forward to our association with you on this project. Please contact the undersigned if you wish to discuss this proposal or any aspect of the project.

Sincerely yours,
HALEY & ALDRICH, INC.

Robert L Manriquez, P.G.
Project Manager

Mehdi Miremadi
Senior Vice President

Attachments

This proposal, and the attached "Standard Terms and Conditions" and "Standard Fee Schedule", are understood and accepted:

SAN DIEGO GAS & ELECTRIC

By _____
(authorized signature)

By _____
(print or type name)

Title _____

Date _____

Section Divider:
APPENDIX B

APPENDIX B

Historical Research Documentation

The EDR-City Directory
Abstract

Pala Substation
10693 Highway 76
Escondido, CA 92059

Inquiry Number: 1920488.6

Wednesday, May 23, 2007

EDR™ Environmental Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR City Directory Abstract

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

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

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SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1980 through 2005. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: May 23, 2007

Target Property:
10693 Highway 76
Escondido, CA 92059

Year	Uses	Source
1980	Address Not Listed in Research Source	Haines Criss-Cross Directory
1985	Address Not Listed in Research Source	Haines Criss-Cross Directory
1990	Address Not Listed in Research Source	Haines Criss-Cross Directory
1995	Address Not Listed in Research Source	Haines Criss-Cross Directory
2000	Address Not Listed in Research Source	Haines Criss-Cross Directory
2005	Address Not Listed in Research Source	Haines Criss-Cross Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
Escondido, CA 92059

Year	Uses	Source
1980	Address Not Listed in Research Source	Haines Criss-Cross Directory
1985	**Highway 76**	Haines Criss-Cross Directory
	Residence (10690)	Haines Criss-Cross Directory
	No Return (10692)	Haines Criss-Cross Directory
	No other addresses in 10500-10799 range	Haines Criss-Cross Directory
1990	**Highway 76**	Haines Criss-Cross Directory
	Residence (10690)	Haines Criss-Cross Directory
	No Return (10692)	Haines Criss-Cross Directory
	No other addresses in 10500-10799 range	Haines Criss-Cross Directory
1995	**Highway 76**	Haines Criss-Cross Directory
	Residence (10690)	Haines Criss-Cross Directory
	No Return (10692)	Haines Criss-Cross Directory

Year	Uses	Source
1995	No other addresses in 10500-10799 range	Haines Criss-Cross Directory
2000	**Highway 76**	Haines Criss-Cross Directory
	Residence (10690)	Haines Criss-Cross Directory
	No other addresses in 10500-10799 range	Haines Criss-Cross Directory
2005	**Highway 76**	Haines Criss-Cross Directory
	Residence (10690)	Haines Criss-Cross Directory
	No other addresses in 10500-10799 range	Haines Criss-Cross Directory

EDR Historical Topographic Map Report

Pala Substation
Pala Road
Escondido, CA 92059

Inquiry Number: 1920488.4

May 07, 2007

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Rd
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Historical Topographic Map Report

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

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

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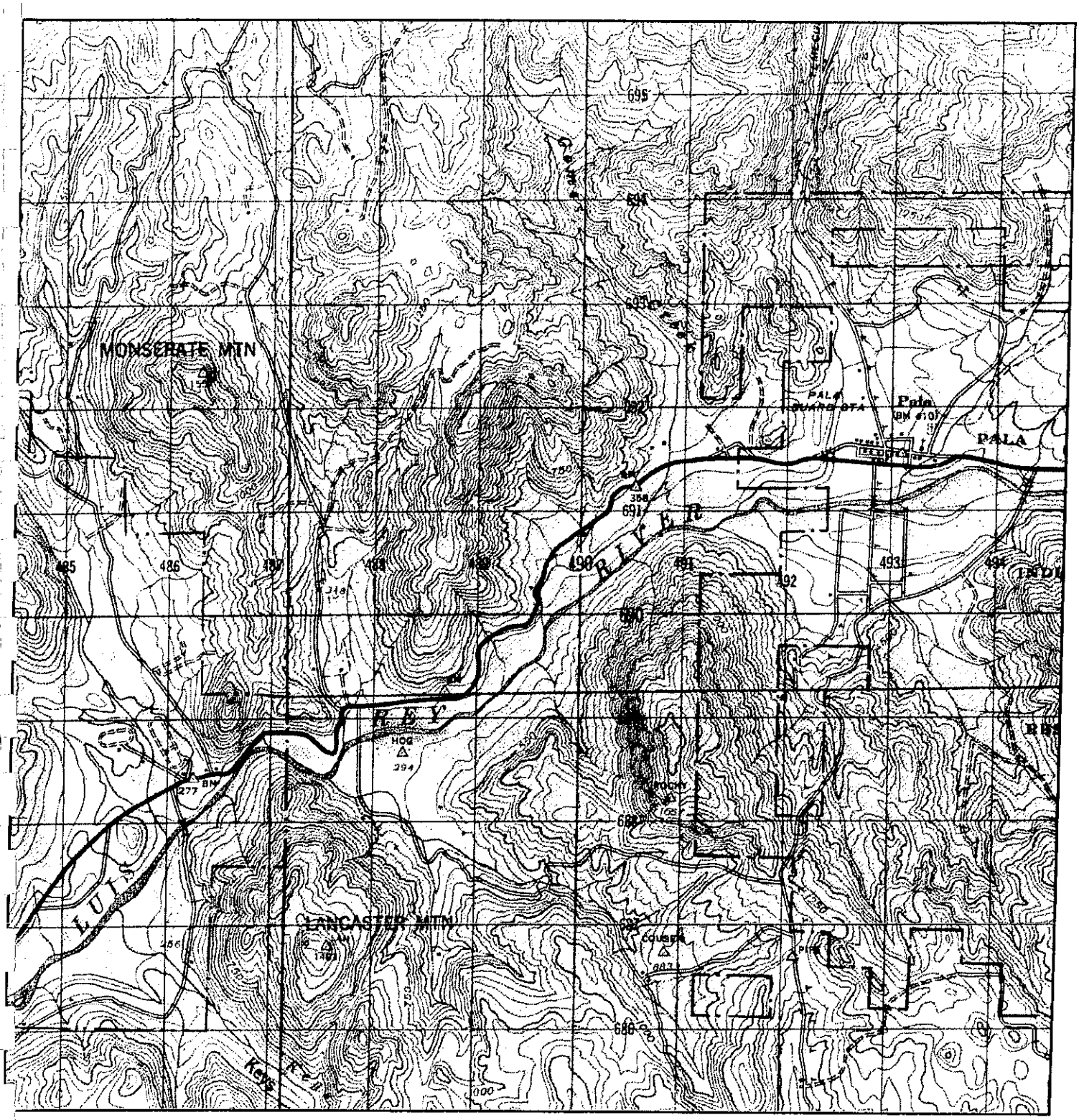
Historical Topographic Map

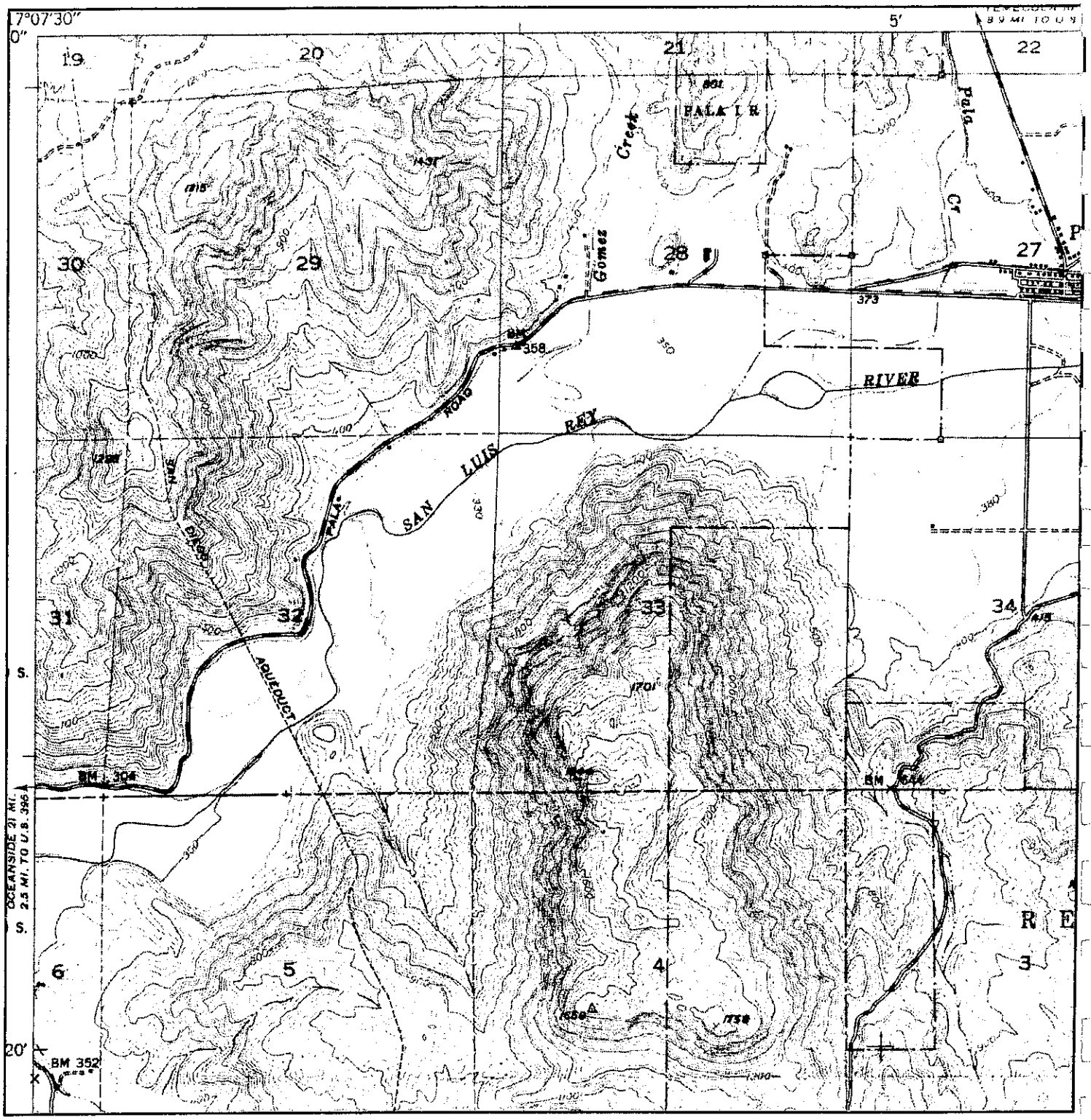
N	TARGET QUAD NAME: SOUTHERN CA SHEET 2 MAP YEAR: 1904 SERIES: 60 SCALE: 1:250000	SITE NAME: Pala Substation ADDRESS: Pala Road Escondido, CA 92059 LAT/LONG: 33.3571 / 117.1114	CLIENT: Haley & Aldrich CONTACT: Kasra Nikkhah INQUIRY#: 1920488.4 RESEARCH DATE: 05/07/2007

Historical Topographic Map



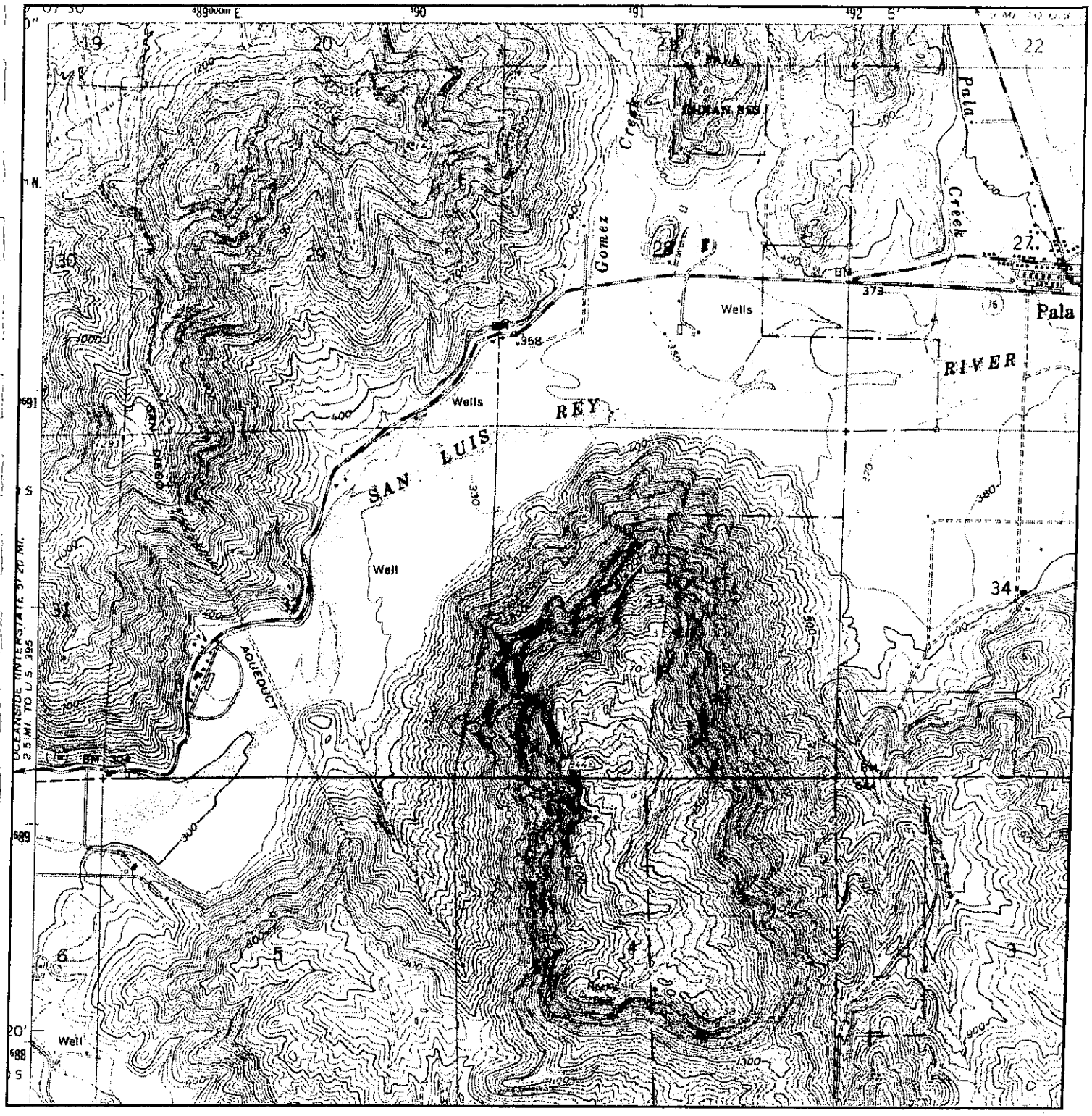
N	TARGET QUAD NAME: TEMECULA MAP YEAR: 1947 SERIES: 15 SCALE: 1:50000	SITE NAME: Pala Substation ADDRESS: Pala Road Escondido, CA 92059 LAT/LONG: 33.3571 / 117.1114	CLIENT: Haley & Aldrich CONTACT: Kasra Nikkhah INQUIRY#: 1920488.4 RESEARCH DATE: 05/07/2007

Historical Topographic Map



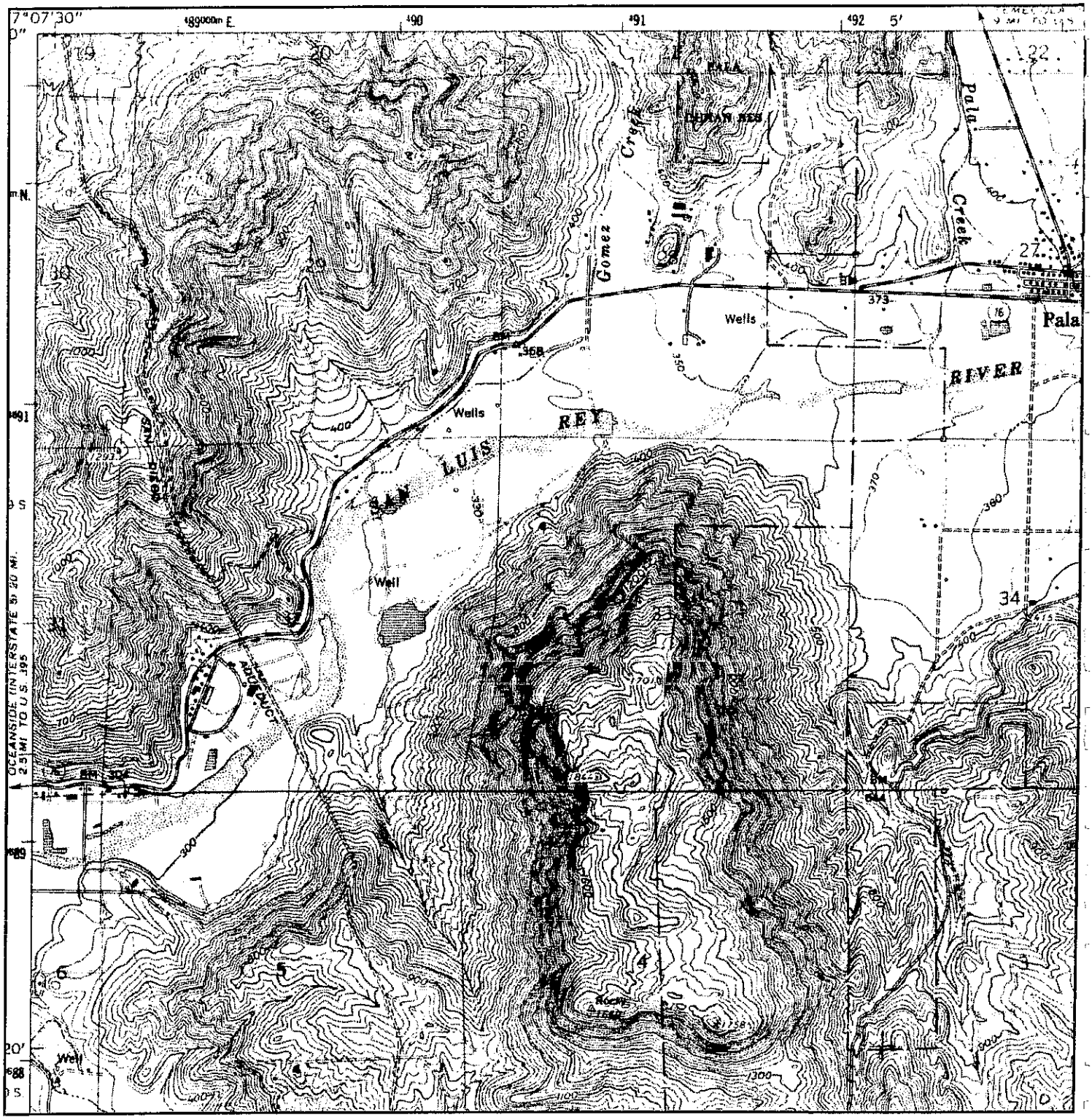
N	TARGET QUAD NAME: PALA MAP YEAR: 1950 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Pala Substation ADDRESS: Pala Road Escondido, CA 92059 LAT/LONG: 33.3571 / 117.1114	CLIENT: Haley & Aldrich CONTACT: Kasra Nikkhah INQUIRY#: 1920488.4 RESEARCH DATE: 05/07/2007

Historical Topographic Map



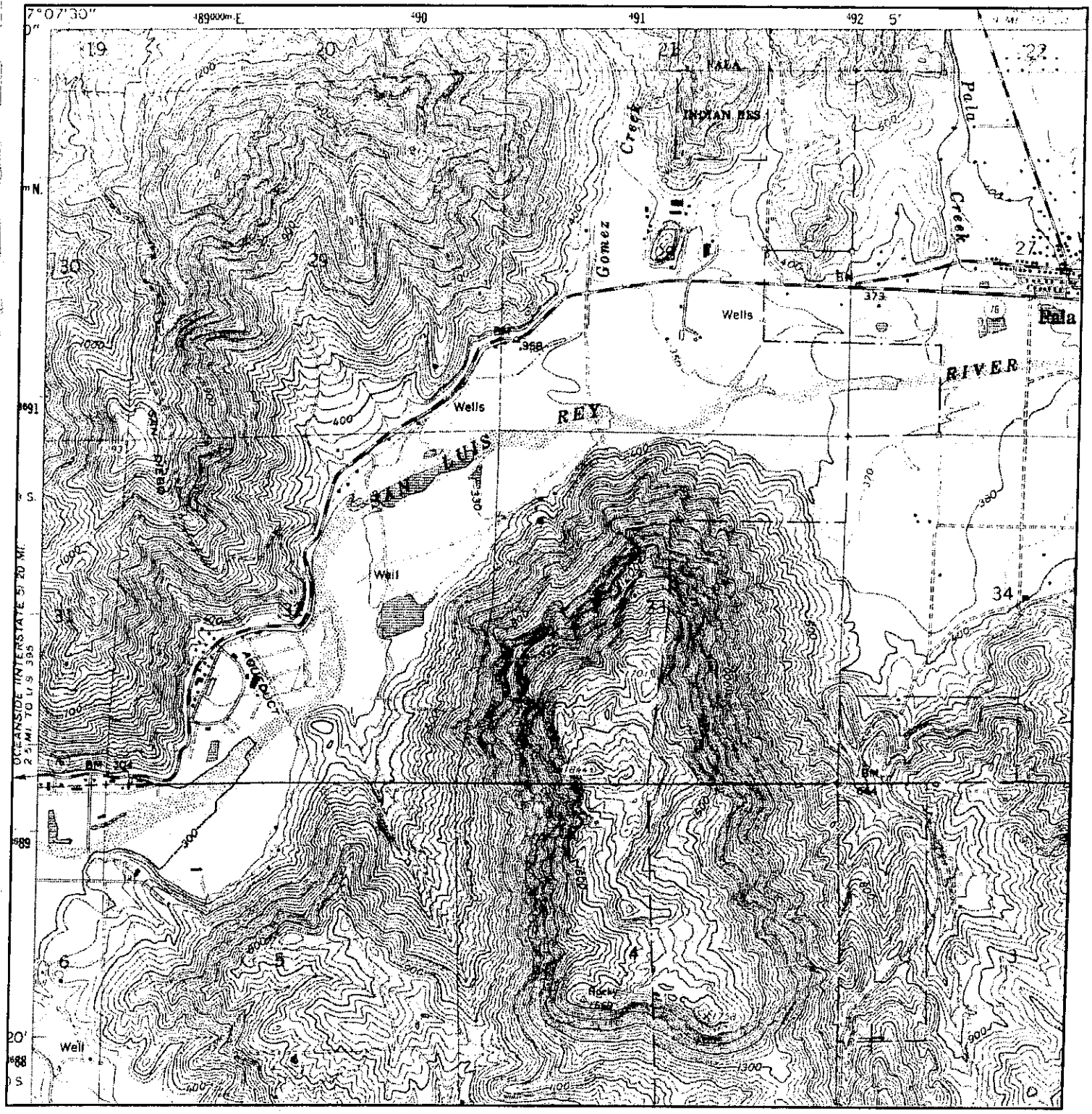
N	TARGET QUAD NAME: PALA MAP YEAR: 1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Pala Substation ADDRESS: Pala Road Escondido, CA 92059 LAT/LONG: 33.3571 / 117.1114	CLIENT: Haley & Aldrich CONTACT: Kasra Nikkhah INQUIRY#: 1920488.4 RESEARCH DATE: 05/07/2007

Historical Topographic Map



N	TARGET QUAD NAME: PALA MAP YEAR: 1982 PHOTOREVISED FROM:1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Pala Substation ADDRESS: Pala Road Escondido, CA 92059 LAT/LONG: 33.3571 / 117.1114	CLIENT: Haley & Aldrich CONTACT: Kasra Nikkhah INQUIRY#: 1920488.4 RESEARCH DATE: 05/07/2007

Historical Topographic Map



N	TARGET QUAD NAME: PALA MAP YEAR: 1988 PHOTOREVISED FROM:1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Pala Substation ADDRESS: Pala Road Escondido, CA 92059 LAT/LONG: 33.3571 / 117.1114	CLIENT: Haley & Aldrich CONTACT: Kasra Nikkhah INQUIRY#: 1920488.4 RESEARCH DATE: 05/07/2007

The EDR Aerial Photo Decade Package

Pala Substation
Pala Road
Escondido, CA 92059

Inquiry Number: 1920488.5

May 07, 2007

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

KEN

EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography May 07, 2007

Target Property:

Pala Road

Escondido, CA 92059

Year	*Scale*	*Details*	*Source*
1939	Aerial Photograph. Scale: 1"=555'	Flight Year: 1939	Fairchild
1946	Aerial Photograph. Scale: 1"=655'	Flight Year: 1946	Jack Ammann
1953	Aerial Photograph. Scale: 1"=555'	Flight Year: 1953	Park
1963	Aerial Photograph. Scale: 1"=555'	Flight Year: 1963	Cartwright
1974	Aerial Photograph. Scale: 1"=600'	Flight Year: 1974	AMI
1989	Aerial Photograph. Scale: 1"=666'	Flight Year: 1989	USGS
1995	Aerial Photograph. Scale: 1"=666'	Flight Year: 1995	USGS
2002	Aerial Photograph. Scale: 1"=666'	Flight Year: 2002	USGS

THE EDR AERIAL PHOTO DECADE PACKAGE

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References

EPAs Standards and Practices for All Appropriate Inquiries (AAI), section 312.24, identifies the historical sources of information necessary to achieve the objectives and performance factors of section 312.20. According to AAI, *"historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."*

To meet the prior use requirements of ASTM E 1527-05, Section 8.3.2, the following standard *historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-05, Section 8.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. ASTM E 1527-05 requires *"All obvious uses of the property shall be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historcal sources as are necessary and both reasonably ascertainable and likely to be useful."* (ASTM E 1527-05, Section 8.3.2) *Reasonably ascertainable means information that is publicly available, obtainable from a source within reasonable time and cost constraints, and practically reviewable.*

Data Gaps

In order to address *data gaps*, additional sources of information may be consulted. According the AAI, Section 312.20 (g), *"to the extent there are data gaps (as defined in section 312.10) in the information developed...that affect the ability of persons (including the environmental professional) conducting the all appropriate inquiries to identify conditions indicative of releases or threatened releases...such persons should identify such data gaps, identify the sources of information consulted to address such data gaps, and comment upon the significance of such data gaps."* According to ASTM E 1527-05, Section 8.3.2.3, *"historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met....If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for their exclusion."*

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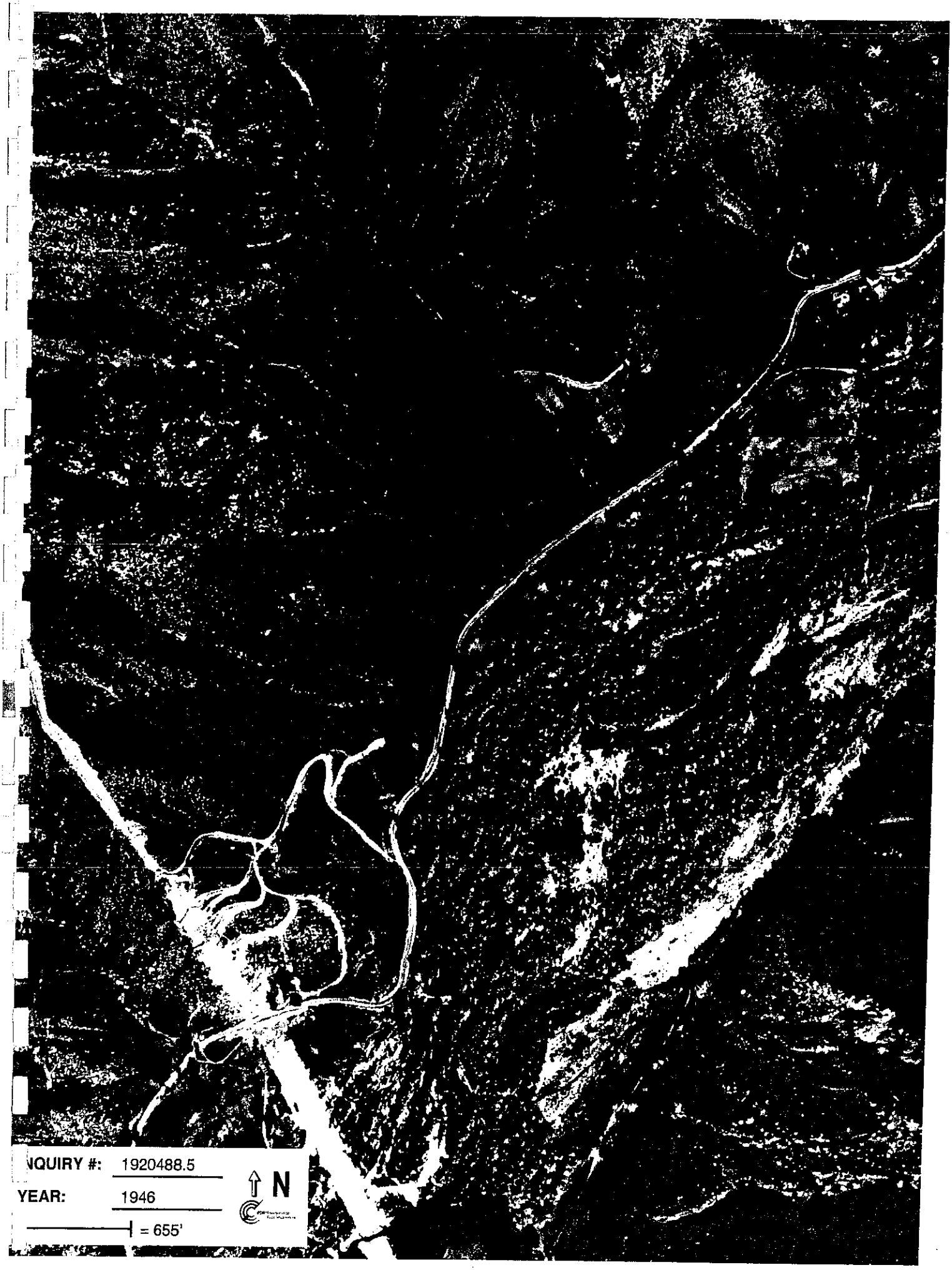
INQUIRY #: 1920488.5
YEAR: 1939
= 555'
N


NQUIRY #: 1920488.5
YEAR: 1946
= 655'
N

INQUIRY #: 1920488.5
YEAR: 1953
= 555'
N

IQUIRY #: 1920488.5
YEAR: 1963
= 555'
N

INQUIRY #: 1920488.5
YEAR: 1974
= 600'
N

NQUIRY #: 1920488.5
YEAR: 1989
= 666'
N

INQUIRY #: 1920488.5
YEAR: 1995
= 666'
N

NQUIRY #: 1920488.5
YEAR: 2002
= 666'
N

Section Divider:
APPENDIX C

APPENDIX C

Regulatory Records Documentation

The EDR Radius Map
with GeoCheck®

Pala Substation
Pala Road
Escondido, CA 92059

Inquiry Number: 1920488.2s

May 07, 2007

EDR® Environmental
Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Road
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FORM-PRM-KEN

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Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	7
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	A-28

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

PALA ROAD
ESCONDIDO, CA 92059

COORDINATES

Latitude (North):	33.357100 - 33' 21' 25.6"
Longitude (West):	117.111400 - 117' 6' 41.0"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	489635.4
UTM Y (Meters):	3690689.5
Elevation:	343 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	33117-C1 PALA, CA
Most Recent Revision:	1988
North Map:	33117-D1 PECHANGA, CA
Most Recent Revision:	1988
West Map:	33117-C2 BONSALL, CA
Most Recent Revision:	1988

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:

FEDERAL RECORDS

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

EXECUTIVE SUMMARY

CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
RCRA-SQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
RADINFO	Radiation Information Database
US CDL	Clandestine Drug Labs
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
ICIS	Integrated Compliance Information System
LUCIS	Land Use Control Information System
DOT OPS	Incident and Accident Data
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HIST Cal-Sites	Historical Calsites Database
CA BOND EXP. PLAN	Bond Expenditure Plan
SCH	School Property Evaluation Program
Toxic Pits	Toxic Pits Cleanup Act Sites
SWF/LF	Solid Waste Information System
CA WDS	Waste Discharge System
WMUDS/SWAT	Waste Management Unit Database
Cortese	"Cortese" Hazardous Waste & Substances Sites List
SWRCY	Recycler Database
LUST	Geotracker's Leaking Underground Fuel Tank Report
CA FID UST	Facility Inventory Database
SLIC	Statewide SLIC Cases
UST	Active UST Facilities
HIST UST	Hazardous Substance Storage Container Database
AST	Aboveground Petroleum Storage Tank Facilities
SWEEPS UST	SWEEPS UST Listing
CHMIRS	California Hazardous Material Incident Report System
Notify 65	Proposition 65 Records

EXECUTIVE SUMMARY

DEED..... Deed Restriction Listing
VCP..... Voluntary Cleanup Program Properties
CLEANERS..... Cleaner Facilities
WIP..... Well Investigation Program Case List
CDL..... Clandestine Drug Labs
RESPONSE..... State Response Sites
San Diego Co. HMMD..... Hazardous Materials Management Division Database
HAZNET..... Facility and Manifest Data
EMI..... Emissions Inventory Data
SAN DIEGO CO. SAM..... Environmental Case Listing
ENVIROSTOR..... EnviroStor Database

TRIBAL RECORDS

INDIAN RESERV..... Indian Reservations
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
INDIAN UST..... Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

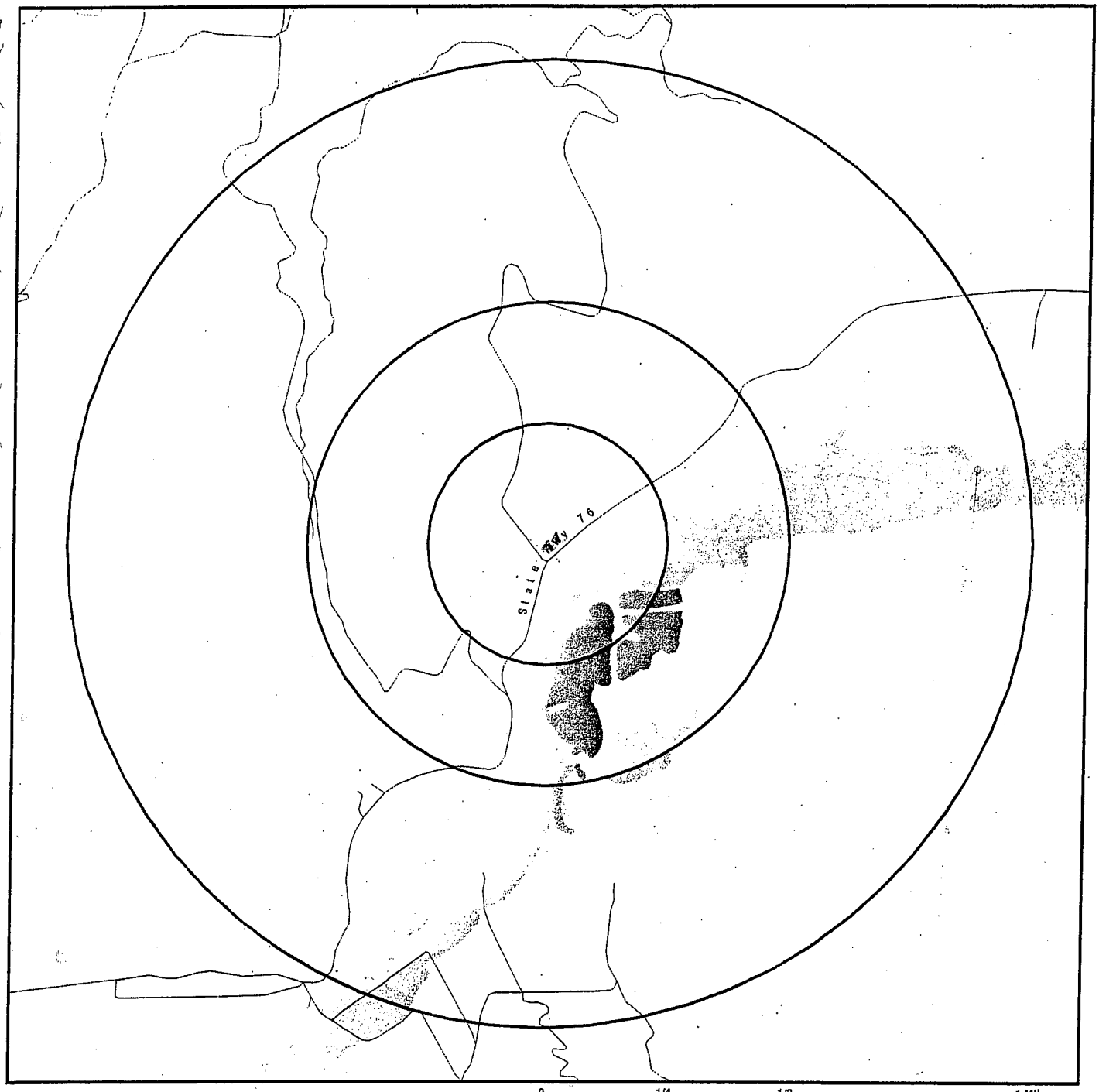
Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
CAL-MAT PALA	SWEEPS UST
INDUSTRIAL ASPHALT PRODUCTS	SWEEPS UST
BENTON BURN DUMP	CERCLIS
FALLBROOK ANNEX	CERC-NFRAP
PALA INDIAN RESERVATION	CERC-NFRAP
DIXON DAM	SWF/LF
MAYHEW (ESCONDIDO I) DUMP	SWF/LF
SAN PASQUAL ACADEMY	SWF/LF
BENTON DUMP	SWF/LF
FALLBROOK BURNSITE	SWF/LF, San Diego Co. HMMD
VALLEY CENTER LANDFILL	SWF/LF
RAINBOW FARM, LLC	LUST, SAN DIEGO CO. SAM
HANSON AGGREGATES - PALA	LUST, EMI, SAN DIEGO CO. SAM
PALA	HIST UST
PACIFIC BELL (DB-119)	HIST UST
PALA SITE	AST
EAST ESCONDIDO DUMP	WMUDS/SWAT
PALA CASINO MINI MART	HAZNET
PALA BAND OF MISSION INDIANS	HAZNET
CALMAT CO/PALA	HAZNET
PALA BAND OF MISSION INDIANS	HAZNET
PALA RESERVATION	HAZNET
BROWN BULK TRANSPORTATION INC	RCRA-SQG, FINDS
CALMAT COMPANY PALA	FINDS
PALA BAND OF MISSION INDIANS	FINDS
ACORN MINI MARKET	INDIAN UST
CALMAT / INDUSTRIAL ASPHALT	INDIAN UST
PALA STORE	INDIAN UST
PALA STORE	INDIAN LUST
CALMAT - PALA	EMI
CALMAT - PALA	EMI

OVERVIEW MAP - 1920488.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Oil & Gas pipelines

National Wetland Inventory

Areas of Concern

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

SITE NAME: Pala Substation ADDRESS: Pala Road Escondido CA 92059 LAT/LONG: 33.3571 / 117.1114	CLIENT: Haley & Aldrich CONTACT: Kasra Nikkhah INQUIRY #: 1920488.2s DATE: May 07, 2007 7:37 am

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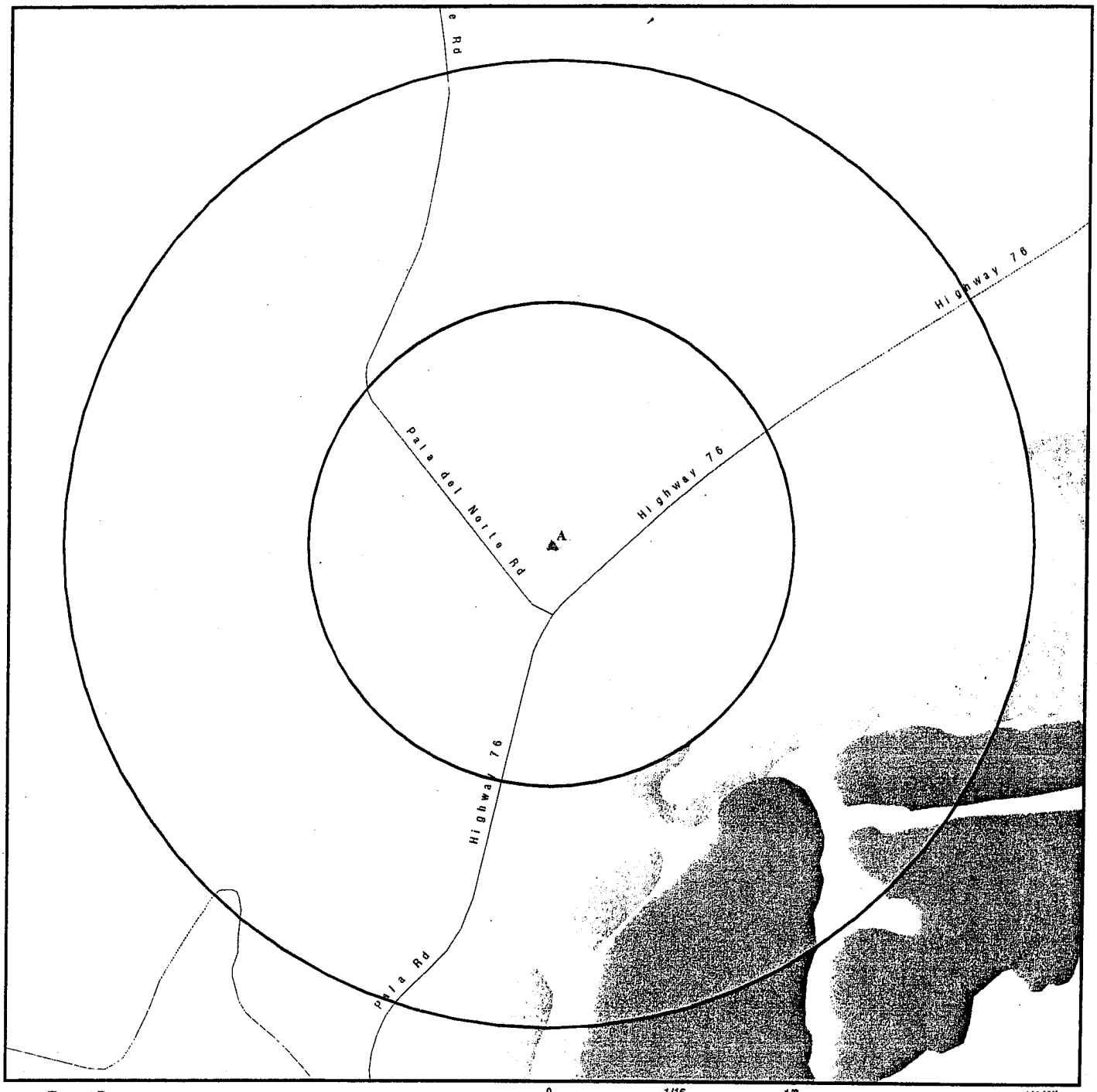
DETAIL MAP - 1920488.2s



0 1/16 1/8 1/4 Miles

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines

National Wetland Inventory

Areas of Concern

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

SITE NAME: Pala Substation ADDRESS: Pala Road Escondido CA 92059 LAT/LONG: 33.3571 / 117.1114	CLIENT: Haley & Aldrich CONTACT: Kasra Nikkhah INQUIRY #: 1920488.2s DATE: May 07, 2007 7:37 am

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECORDS								
Hist Cal-Sites		1.000	0	0	0	0	NR	0
CA Bond Exp. Plan		1.000	0	0	0	0	NR	0
SCH		0.250	0	0	NR	NR	NR	0
Toxic Pits		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
WMUDS/SWAT		0.500	0	0	0	NR	NR	0
Cortese		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LUST		0.500	0	0	0	NR	NR	0
CA FID UST		0.250	0	0	NR	NR	NR	0
SLIC		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
HIST UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
SWEEPS UST		0.250	0	0	NR	NR	NR	0
CHMIRS		TP	NR	NR	NR	NR	NR	0
Notify 65		1.000	0	0	0	0	NR	0
DEED		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
RESPONSE		1.000	0	0	0	0	NR	0
San Diego Co. HMMD		TP	NR	NR	NR	NR	NR	0
HAZNET		TP	NR	NR	NR	NR	NR	0
EMI		TP	NR	NR	NR	NR	NR	0
SAN DIEGO CO. SAM		0.500	0	0	0	NR	NR	0
ENVIROSTOR		1.000	0	0	0	0	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number
A1 **< 1/8** **4 ft.** **Relative:** **Higher** **Actual:** **345 ft.**	**PALA STORE** **PALA MISSION RD** **PALA, CA 92059** **Site 1 of 2 in cluster A**	**HAZNET**	**S104570446** **N/A**

HAZNET:

Gepaid:	CAC002137681
Contact:	KING FREEMAN
Telephone:	7607423262
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	PO BOX 104
Mailing City,St,Zip:	PALA, CA 920590000
Gen County:	San Diego
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	0.4253
Facility County:	San Diego

A2 **< 1/8** **4 ft.** **Relative:** **Higher** **Actual:** **345 ft.**	**PALA INDIAN RESERVATION NR LILAC RD *** **PALA INDIAN RESERVATION NR LILAC RD *** **SAN DIEGO (County), CA** **Site 2 of 2 in cluster A**	**ERNS**	**91234795** **N/A**

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

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ESCONDIDO	S105155610	DIXON DAM	DIXON DAM/LAKE DIXON SPILLWAY		SWF/LF
ESCONDIDO	1006932061	BENTON BURN DUMP	END OF STILL WATER GLEN		CERCLIS
ESCONDIDO	S107737679	MAYHEW (ESCONDIDO I) DUMP	GREENWOOD PL., NW1/4, SEC 28, T12S, R2W		SWF/LF
ESCONDIDO	S101311431	EAST ESCONDIDO DUMP	WEST HWY 78 / 4 MILES SE ESCON		WMUDS/SWAT
ESCONDIDO	S107737683	SAN PASQUAL ACADEMY	SAN PASQUAL ROAD / HWY 78		SWF/LF
ESCONDIDO	S105155600	BENTON DUMP	STILWATER GLEN		SWF/LF
FALLBROOK	1003879096	FALLBROOK ANNEX	NAVAL WEAPONS STA SEAL BCH	92028	CERC-NFRAP
FALLBROOK	S107619890	RAINBOW FARM, LLC	0 PALA RD	92028	LUST, SAN DIEGO CO. SAM
FALLBROOK	S102066289	FALLBROOK BURNSITE	STONEPOST WY	92028	SWF/LF, San Diego Co. HMMD
PALA	S107143788	PALA CASINO MINI MART	1152 HWY 76	92059	HAZNET
PALA	S106923790	CAL-MAT PALA	HWY 76 7MI E I-15	92059	SWEEPS UST
PALA	S106827866	CALMAT - PALA	HY 76 7 MI E HY I 15	92059	EMI
PALA	S106090104	PALA BAND OF MISSION INDIANS	11152 HIGHWAY 76 - INDIAN RESER-	92059	HAZNET
PALA	S105938012	HANSON AGGREGATES - PALA	10331 HY 76 4 MILES EAST OF I-	92059	LUST, EMI, SAN DIEGO CO. SAM
PALA	S105936962	CALMAT - PALA	HY 76 HIGHWAY 76 (7 MI E OF I1	92059	EMI
PALA	S100931409	CALMAT CO/PALA	HWY 76 E I15 PALA INDIAN RES	92059	HAZNET
PALA	1005415471	BROWN BULK TRANSPORTATION INC	12802 HWY 76	92059	RCRA-SQG, FINDS
PALA	1009393223	ACORN MINI MARKET	HWY 76 & PALA MISSION ROAD	92059	INDIAN UST
PALA	S106927505	INDUSTRIAL ASPHALT PRODUCTS	HWY 76 6MI E I-15	92059	SWEEPS UST
PALA	1009393179	CALMAT / INDUSTRIAL ASPHALT	HIGHWAY 766.7 MILES EAST OF I-15	92059	INDIAN UST
PALA	1009394154	PALA STORE	P.O. BOX 154	92059	INDIAN LUST
PALA	1009393088	PALA STORE	P.O. BOX 154	92059	INDIAN UST
PALA	S108216188	PALA BAND OF MISSION INDIANS	N HENDERSON RD	92059	HAZNET
PALA	A100109443	PALA SITE	6.5 MILES E OF HWY 15	92059	AST
PALA	1004443628	CALMAT COMPANY PALA	7 MILES EAST OF HIGHWAY I 15 AT HIGHWAY 76	92059	FINDS
PALA	1007220465	PALA BAND OF MISSION INDIANS	TRUJILLO CREEK OF HENDERSON ROAD	92059	FINDS
PALA	S108216190	PALA RESERVATION	VALENZUELA	92059	HAZNET
PALA INDIAN RESERVAT	U001572033	PALA	6.7 MI. E. OF I 15 ON ST. RT.	92059	HIST UST
PALA INDIAN RESERVATI(	1007117511	PALA INDIAN RESERVATION	HIGHWAY 76 NEAR LILAC ROAD	92059	CERC-NFRAP
PAUMA VALLEY - PALA	U001572032	PACIFIC BELL (DB-119)	O U.S.HIGHWAY 76	92059	HIST UST
VALLEY CENTER	S105155595	VALLEY CENTER LANDFILL	28700 BLK AERIE RD.	92082	SWF/LF

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.

FEDERAL RECORDS

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: 01/25/2007
Date Data Arrived at EDR: 01/31/2007
Date Made Active in Reports: 03/12/2007
Number of Days to Update: 40

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2007
Next Scheduled EDR Contact: 07/30/2007
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 10
Telephone 206-553-8665

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

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/27/2006
Date Data Arrived at EDR: 11/01/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: Quarterly

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: 12/28/2006
Date Data Arrived at EDR: 01/31/2007
Date Made Active in Reports: 03/12/2007
Number of Days to Update: 40

Source: EPA
Telephone: N/A
Last EDR Contact: 05/03/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/26/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

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

Date of Government Version: 02/27/2007
Date Data Arrived at EDR: 03/21/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 37

Source: EPA
Telephone: 703-603-8960
Last EDR Contact: 03/21/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/20/2006
Date Data Arrived at EDR: 01/29/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 29

Source: EPA
Telephone: 703-603-8960
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/14/2007
Date Data Arrived at EDR: 03/20/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 38

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006
Date Data Arrived at EDR: 06/28/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 56

Source: EPA
Telephone: (415) 495-8895
Last EDR Contact: 05/04/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: Quarterly

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: 12/31/2006
Date Data Arrived at EDR: 01/24/2007
Date Made Active in Reports: 03/12/2007
Number of Days to Update: 47

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 04/24/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 11/28/2006
Date Data Arrived at EDR: 01/17/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 41

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 04/17/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: Annually

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: 01/24/2007
Date Data Arrived at EDR: 01/31/2007
Date Made Active in Reports: 04/04/2007
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 04/02/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 01/24/2007
Date Data Arrived at EDR: 01/31/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 04/02/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 02/08/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Semi-Annually

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 09/20/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 63

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 04/02/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Varies

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

Date of Government Version: 01/29/2007
Date Data Arrived at EDR: 01/31/2007
Date Made Active in Reports: 04/04/2007
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/12/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Semi-Annually

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: 08/23/2006
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 35

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/23/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Varies

ROD: Records Of Decision
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/27/2007
Date Data Arrived at EDR: 03/27/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 31

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/27/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/08/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 82

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 03/20/2007
Next Scheduled EDR Contact: 06/18/2007
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

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: 12/31/2004
Date Data Arrived at EDR: 06/22/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 62

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 04/27/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 04/16/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 02/26/2007
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 02/26/2007
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/13/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 45

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/12/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: Annually

RADINFO: Radiation Information Database

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

Date of Government Version: 01/30/2007
Date Data Arrived at EDR: 01/31/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 05/03/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: Quarterly

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: 12/01/2006
Date Data Arrived at EDR: 01/08/2007
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 3

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 04/27/2007
Next Scheduled EDR Contact: 06/25/2007
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: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: No Update Planned

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: 11/06/2006
Date Data Arrived at EDR: 02/02/2007
Date Made Active in Reports: 04/04/2007
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/16/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUCIS: Land Use Control Information System
LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 03/26/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 02/14/2007
Date Data Arrived at EDR: 02/28/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 41

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/28/2007
Next Scheduled EDR Contact: 05/28/2007
Data Release Frequency: Varies

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: 10/17/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 43

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 03/02/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Annually

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

Date of Government Version: 01/11/2007
Date Data Arrived at EDR: 01/26/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 32

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/02/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Quarterly

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: 11/15/2006
Date Data Arrived at EDR: 12/28/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 32

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/28/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Semi-Annually

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: 01/18/2007
Date Data Arrived at EDR: 01/23/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 35

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 04/02/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/13/2007
Number of Days to Update: 38

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/06/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

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: 02/26/2007
Next Scheduled EDR Contact: 05/28/2007
Data Release Frequency: No Update Planned

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

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: 02/27/2007
Date Data Arrived at EDR: 02/28/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/28/2007
Next Scheduled EDR Contact: 05/28/2007
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 04/30/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: No Update Planned

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: 03/12/2007
Date Data Arrived at EDR: 03/15/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 22

Source: Integrated Waste Management Board
Telephone: 916-341-6320
Last EDR Contact: 03/15/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Quarterly

CA WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 03/19/2007
Date Data Arrived at EDR: 03/21/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 03/21/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Quarterly

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: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 05/29/2001
Date Made Active in Reports: 07/26/2001
Number of Days to Update: 58

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 04/23/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/11/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 16

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 04/11/2007
Next Scheduled EDR Contact: 07/09/2007
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

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: 04/12/2007
Next Scheduled EDR Contact: 07/16/2007
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: 02/05/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Varies

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: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
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: 04/02/2007
Next Scheduled EDR Contact: 07/02/2007
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: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2007
Date Data Arrived at EDR: 01/23/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 04/25/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Quarterly

LUST REG 4: Underground Storage Tank Leak List

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

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

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 03/27/2007
Next Scheduled EDR Contact: 06/25/2007
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: 02/12/2007
Next Scheduled EDR Contact: 05/14/2007
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: 04/06/2007
Next Scheduled EDR Contact: 07/09/2007
Data Release Frequency: Quarterly

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 04/10/2007
Date Data Arrived at EDR: 04/11/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 16

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 04/11/2007
Next Scheduled EDR Contact: 07/09/2007
Data Release Frequency: Quarterly

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

SLIC: Statewide SLIC Cases

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

Date of Government Version: 04/10/2007
Date Data Arrived at EDR: 04/11/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 16

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 04/11/2007
Next Scheduled EDR Contact: 07/09/2007
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: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
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: 04/06/2007
Next Scheduled EDR Contact: 07/09/2007
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 02/12/2007
Next Scheduled EDR Contact: 05/14/2007
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 04/23/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 04/05/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 04/02/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
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: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
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: 04/06/2006
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 35

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 04/03/2007
Next Scheduled EDR Contact: 07/03/2007
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 03/13/2007
Date Data Arrived at EDR: 03/14/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 23

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 03/12/2007
Next Scheduled EDR Contact: 05/28/2007
Data Release Frequency: Annually

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 04/10/2007
Date Data Arrived at EDR: 04/11/2007
Date Made Active in Reports: 05/03/2007
Number of Days to Update: 22

Source: SWRCB
Telephone: 916-480-1028
Last EDR Contact: 04/11/2007
Next Scheduled EDR Contact: 07/09/2007
Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 02/05/2007
Date Data Arrived at EDR: 02/06/2007
Date Made Active in Reports: 03/21/2007
Number of Days to Update: 43

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 03/26/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 02/09/2007
Date Data Arrived at EDR: 02/09/2007
Date Made Active in Reports: 03/23/2007
Number of Days to Update: 42

Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 04/30/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: Quarterly

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 1980'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

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/23/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

NOTIFY 65: Proposition 65 Records
Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

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

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 04/12/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: No Update Planned

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: 04/03/2007
Date Data Arrived at EDR: 04/05/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/05/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Semi-Annually

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: 02/27/2007
Date Data Arrived at EDR: 02/28/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/28/2007
Next Scheduled EDR Contact: 05/28/2007
Data Release Frequency: Quarterly

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: 04/18/2005
Date Data Arrived at EDR: 04/18/2005
Date Made Active in Reports: 05/06/2005
Number of Days to Update: 18

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 04/10/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

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

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/13/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 24

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 04/27/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Varies

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: 12/31/2006
Date Data Arrived at EDR: 03/07/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 30

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/23/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Varies

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: 02/27/2007
Date Data Arrived at EDR: 02/28/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/28/2007
Next Scheduled EDR Contact: 05/28/2007
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.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/20/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 44

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 02/06/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Annually

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 27

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 04/17/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: Varies

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: 02/27/2007
Date Data Arrived at EDR: 02/28/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/28/2007
Next Scheduled EDR Contact: 05/28/2007
Data Release Frequency: Quarterly

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 02/08/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/01/2006
Date Data Arrived at EDR: 12/01/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 59

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/06/2006
Date Data Arrived at EDR: 10/04/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 35

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
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: 01/04/2005
Date Data Arrived at EDR: 01/21/2005
Date Made Active in Reports: 02/28/2005
Number of Days to Update: 38

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Minnesota, Mississippi and North Carolina.

Date of Government Version: 08/24/2006
Date Data Arrived at EDR: 09/11/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 58

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Semi-Annually

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: 02/19/2007
Date Data Arrived at EDR: 02/27/2007
Date Made Active in Reports: 04/04/2007
Number of Days to Update: 36

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Quarterly

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

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/04/2007
Number of Days to Update: 34

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 02/21/2007
Data Release Frequency: Quarterly

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

Date of Government Version: 03/30/2007
Date Data Arrived at EDR: 03/30/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 28

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 01/11/2007
Date Data Arrived at EDR: 01/12/2007
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 17

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 09/06/2006
Date Data Arrived at EDR: 10/04/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 35

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 08/24/2006
Date Data Arrived at EDR: 09/11/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 58

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 03/26/2007
Date Data Arrived at EDR: 03/27/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 31

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 12/01/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 59

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004
Date Data Arrived at EDR: 12/29/2004
Date Made Active in Reports: 02/04/2005
Number of Days to Update: 37

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 02/19/2007
Date Data Arrived at EDR: 02/27/2007
Date Made Active in Reports: 04/04/2007
Number of Days to Update: 36

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/04/2007
Number of Days to Update: 34

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/31/2007
Date Data Arrived at EDR: 02/02/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 25

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/23/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 02/02/2007
Date Data Arrived at EDR: 02/02/2007
Date Made Active in Reports: 03/21/2007
Number of Days to Update: 47

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/23/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/27/2007
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 36

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 02/26/2007
Next Scheduled EDR Contact: 05/28/2007
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List

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

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 17

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/16/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 12/06/2006
Date Data Arrived at EDR: 12/07/2006
Date Made Active in Reports: 01/04/2007
Number of Days to Update: 28

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 04/12/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

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

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 07/07/1999
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 05/16/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/31/2007
Date Data Arrived at EDR: 04/12/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 15

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 11/13/2006
Next Scheduled EDR Contact: 02/12/2007
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 02/13/2007
Date Data Arrived at EDR: 03/09/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 28

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 02/13/2007
Next Scheduled EDR Contact: 05/14/2007
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/27/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 31

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 03/14/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Varies

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

Date of Government Version: 12/04/2006
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 02/12/2007
Next Scheduled EDR Contact: 05/14/2007
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 12/14/2006
Date Data Arrived at EDR: 12/15/2006
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 39

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 05/14/2007
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/20/2007
Date Data Arrived at EDR: 02/21/2007
Date Made Active in Reports: 03/21/2007
Number of Days to Update: 28

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 02/12/2007
Next Scheduled EDR Contact: 05/14/2007
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 01/26/2007
Date Data Arrived at EDR: 02/20/2007
Date Made Active in Reports: 03/21/2007
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 04/30/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 17

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 04/09/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Semi-Annually

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 04/24/2007
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 04/09/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/20/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 17

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/07/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/20/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 17

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/07/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/20/2007
Date Made Active in Reports: 04/12/2007
Number of Days to Update: 23

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/07/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Quarterly

PLACER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 04/04/2007
Date Data Arrived at EDR: 04/05/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 22

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 02/06/2007
Date Data Arrived at EDR: 02/07/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 20

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 04/16/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 02/06/2007
Date Data Arrived at EDR: 02/07/2007
Date Made Active in Reports: 03/21/2007
Number of Days to Update: 42

Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 04/16/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Contaminated Sites

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 01/31/2007
Date Data Arrived at EDR: 02/16/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 11

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 05/01/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 01/31/2007
Date Data Arrived at EDR: 02/15/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 12

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 05/01/2007
Next Scheduled EDR Contact: 07/30/2007
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 03/23/2007
Date Data Arrived at EDR: 03/27/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 31

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

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

Date of Government Version: 05/16/2005
Date Data Arrived at EDR: 05/18/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 29

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 04/05/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 11/01/2006
Date Data Arrived at EDR: 01/03/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 21

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Varies

Environmental Case Listing

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

Date of Government Version: 01/24/2007
Date Data Arrived at EDR: 02/27/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 38

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 04/04/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversite Facilities

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

Date of Government Version: 03/08/2007
Date Data Arrived at EDR: 03/13/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 24

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 03/08/2007
Date Data Arrived at EDR: 03/13/2007
Date Made Active in Reports: 04/12/2007
Number of Days to Update: 30

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 03/05/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Joaquin Co. UST

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

Date of Government Version: 04/06/2007
Date Data Arrived at EDR: 04/10/2007
Date Made Active in Reports: 04/24/2007
Number of Days to Update: 14

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 04/02/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

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

Date of Government Version: 01/24/2007
Date Data Arrived at EDR: 01/25/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 33

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 04/09/2007
Next Scheduled EDR Contact: 07/09/2007
Data Release Frequency: Annually

Fuel Leak List

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

Date of Government Version: 04/11/2007
Date Data Arrived at EDR: 04/12/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 15

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 04/09/2007
Next Scheduled EDR Contact: 07/09/2007
Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/26/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/26/2007
Date Data Arrived at EDR: 03/27/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 31

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 03/26/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Varies

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 04/03/2007
Date Data Arrived at EDR: 04/04/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 23

Source: City of San Jose Fire Department
Telephone: 408-277-4659
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/04/2007
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 01/08/2007
Date Data Arrived at EDR: 02/06/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 21

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/26/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 01/02/2007
Date Data Arrived at EDR: 01/16/2007
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 7

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/26/2007
Next Scheduled EDR Contact: 06/25/2007
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/22/2007
Date Data Arrived at EDR: 01/23/2007
Date Made Active in Reports: 02/27/2007
Number of Days to Update: 35

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 04/23/2007
Next Scheduled EDR Contact: 07/23/2007
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 12/31/0005
Date Data Arrived at EDR: 01/05/2006
Date Made Active in Reports: 01/31/2006
Number of Days to Update: 26

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 05/04/2007
Next Scheduled EDR Contact: 07/02/2007
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 11/28/2006
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/11/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Quarterly

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

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 09/05/2006
Date Made Active in Reports: 10/05/2006
Number of Days to Update: 30

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/19/2007
Next Scheduled EDR Contact: 05/21/2007
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 02/28/2007
Date Data Arrived at EDR: 03/23/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 35

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/14/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Quarterly

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

Date of Government Version: 12/28/2006
Date Data Arrived at EDR: 01/23/2007
Date Made Active in Reports: 03/21/2007
Number of Days to Update: 57

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/10/2007
Next Scheduled EDR Contact: 07/09/2007
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 02/05/2007
Date Data Arrived at EDR: 02/20/2007
Date Made Active in Reports: 03/21/2007
Number of Days to Update: 29

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 04/30/2007
Next Scheduled EDR Contact: 07/16/2007
Data Release Frequency: Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 03/16/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 01/01/2007
Date Data Arrived at EDR: 01/04/2007
Date Made Active in Reports: 02/13/2007
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/05/2007
Next Scheduled EDR Contact: 07/02/2007
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: 10/26/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/05/2007
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 03/02/2007
Next Scheduled EDR Contact: 05/28/2007
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 81

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/16/2007
Next Scheduled EDR Contact: 06/11/2007
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 04/09/2007
Date Data Arrived at EDR: 04/12/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 03/19/2007
Next Scheduled EDR Contact: 06/18/2007
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 04/24/2007
Next Scheduled EDR Contact: 07/09/2007
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PALA SUBSTATION
PALA ROAD
ESCONDIDO, CA 92059

TARGET PROPERTY COORDINATES

Latitude (North):	33.35710 - 33' 21' 25.6"
Longitude (West):	117.1114 - 117' 6' 41.0"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	489635.4
UTM Y (Meters):	3690689.5
Elevation:	343 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33117-C1 PALA, CA
Most Recent Revision:	1988
North Map:	33117-D1 PECHANGA, CA
Most Recent Revision:	1988
West Map:	33117-C2 BONSALL, CA
Most Recent Revision:	1988

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).

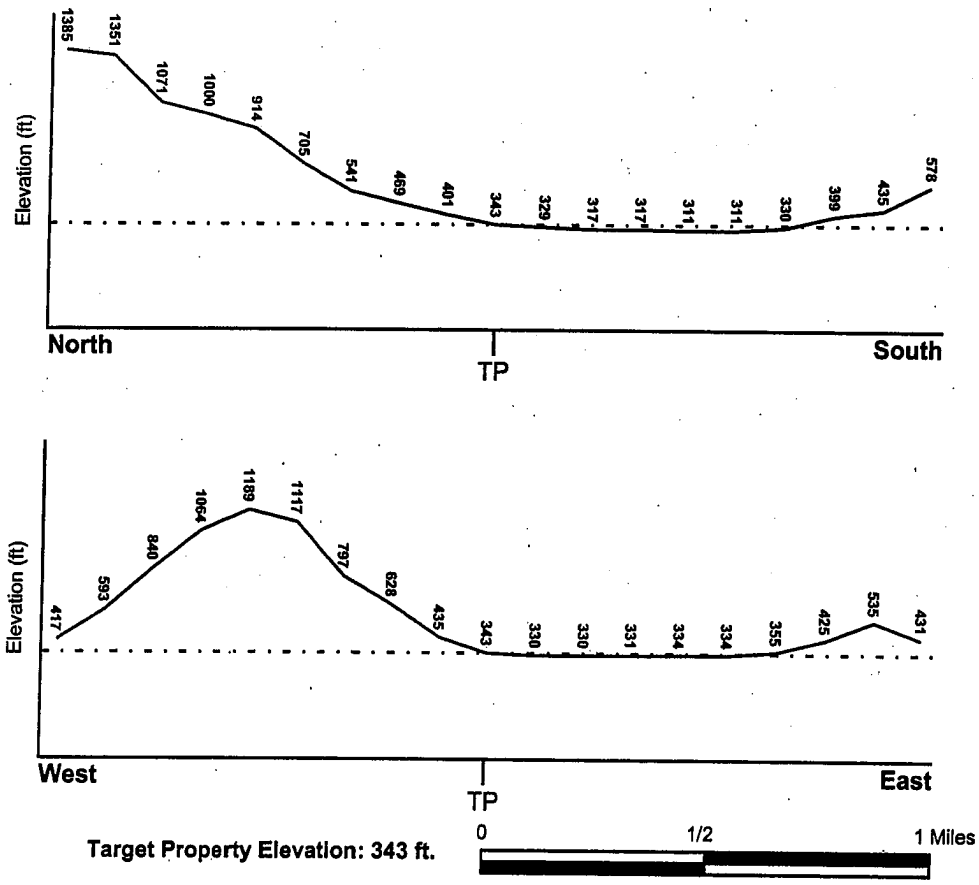
TOPOGRAPHIC INFORMATION

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 ESE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 343 ft.

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
SAN DIEGO, CA	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
PALA	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:	Mesozoic
System:	Cretaceous
Series:	Cretaceous granitic rocks
Code:	Kg *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	LAS POSAS
Soil Surface Texture:	stony - fine sandy loam
Hydrologic Group:	Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel:	HIGH
Depth to Bedrock Min:	> 20 inches
Depth to Bedrock Max:	> 40 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	12 inches	stony - fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10
2	12 inches	32 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.06	Max: 7.80 Min: 6.60
3	32 inches	36 inches	weathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: unweathered bedrock
fine sandy loam
loam
gravelly - coarse sand

Surficial Soil Types: unweathered bedrock
fine sandy loam
loam
gravelly - coarse sand

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: unweathered bedrock
stratified

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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
A2	USGS3127300	1/8 - 1/4 Mile ENE
B3	USGS3127304	1/4 - 1/2 Mile ENE
B4	USGS3127303	1/4 - 1/2 Mile ENE
B5	USGS3127305	1/4 - 1/2 Mile ENE
C8	USGS3127299	1/4 - 1/2 Mile East
D10	USGS3127285	1/4 - 1/2 Mile ESE
E12	USGS3127250	1/4 - 1/2 Mile SSE
F17	USGS3127313	1/4 - 1/2 Mile ENE
F18	USGS3127314	1/4 - 1/2 Mile ENE
F19	USGS3127312	1/4 - 1/2 Mile ENE
F20	USGS3127315	1/4 - 1/2 Mile ENE
21	USGS3127295	1/2 - 1 Mile East
22	USGS3127434	1/2 - 1 Mile SSW
G25	USGS3127427	1/2 - 1 Mile SSW
G26	USGS3127428	1/2 - 1 Mile SSW
H27	USGS3127147	1/2 - 1 Mile ENE
I29	USGS3127174	1/2 - 1 Mile NE

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

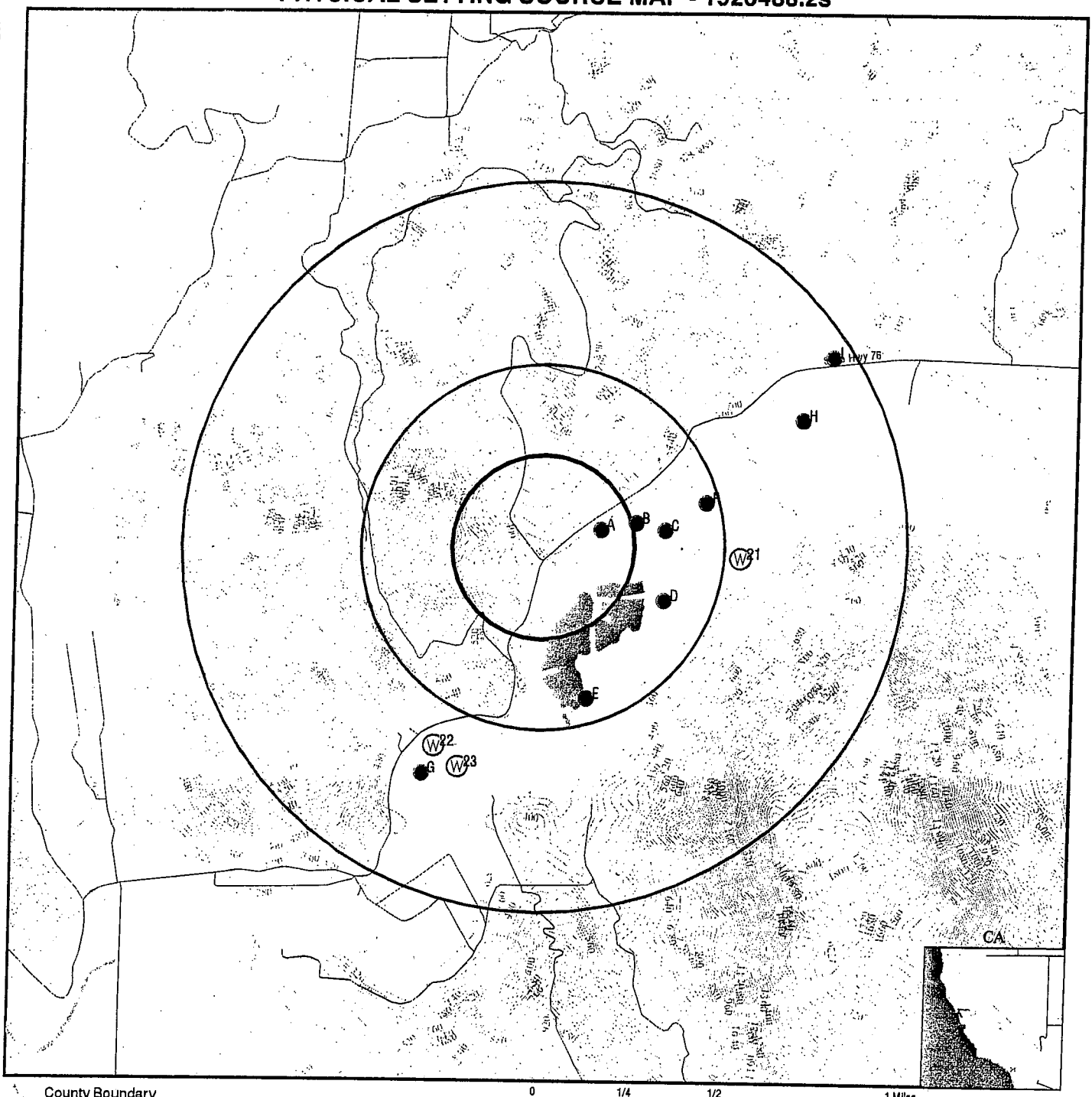
MAP ID	WELL ID	LOCATION FROM TP
A1	CADW00000002512	1/8 - 1/4 Mile ENE
B6	CADW00000002517	1/4 - 1/2 Mile ENE
B7	CADW00000002516	1/4 - 1/2 Mile ENE
C9	CADW00000002513	1/4 - 1/2 Mile East
D11	CADW00000002497	1/4 - 1/2 Mile ESE
E13	CADW00000002461	1/4 - 1/2 Mile SSE
F14	CADW00000002523	1/4 - 1/2 Mile ENE
F15	CADW00000002524	1/4 - 1/2 Mile ENE
F16	CADW00000002525	1/4 - 1/2 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
23	9373	1/2 - 1 Mile SSW
G24	CADW00000002444	1/2 - 1 Mile SSW
H28	CADW00000002554	1/2 - 1 Mile ENE
I30	CADW00000002583	1/2 - 1 Mile ENE

PHYSICAL SETTING SOURCE MAP - 1920488.2s



County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

SITE NAME: Pala Substation ADDRESS: Pala Road Escondido CA 92059 LAT/LONG: 33.3571 / 117.1114	CLIENT: Haley & Aldrich CONTACT: Kasra Nikkhah INQUIRY #: 1920488.2s DATE: May 07, 2007 7:37 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **ENE** **1/8 - 1/4 Mile** **Lower**	**CA WELLS**	**CADW00000002512**

Longn:	-117.1078		
Latn:	33.3578		
Stwellno:	09S02W32A005S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	950399	County:	San Diego
State:	CA	Gw name:	San Luis Rey Watershed
District:	Southern District		
Descriptio:	Undetermined		

A2 **ENE** **1/8 - 1/4 Mile** **Lower**	**FED USGS**	**USGS3127300**

Agency cd:	USGS	Site no:	332128117062801
Site name:	009S002W32A005S		
Latitude:	332128		
Longitude:	1170628	Dec lat:	33.3578101
Dec lon:	-117.10864207	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	330.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	24.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	14.00	

B3
ENE
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127304**

Agency cd:	USGS	Site no:	332129117062202
Site name:	009S002W32A003S		
Latitude:	332129		
Longitude:	1170622	Dec lat:	33.35808789
Dec lon:	-117.10697535	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	330.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19600101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	50.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	20.00	

B4
ENE
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127303**

Agency cd:	USGS	Site no:	332129117062201
Site name:	009S002W32A002S		
Latitude:	332129		
Longitude:	1170622	Dec lat:	33.35808789
Dec lon:	-117.10697535	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	330.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	12.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	10.00	

B5
ENE
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127305**

Agency cd:	USGS	Site no:	332129117062203
Site name:	009S002W32A006S		
Latitude:	332129		
Longitude:	1170622	Dec lat:	33.35808789
Dec lon:	-117.10697535	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	335.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19520101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1960-11-04
Water quality data end date:	1961-01-04	Water quality data count:	3
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

B6
ENE
1/4 - 1/2 Mile
Lower

CA WELLS **CADW00000002517**

Longn:	-117.1061		
Latn:	33.3581		
Stwellno:	09S02W32A003S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

B7
ENE
1/4 - 1/2 Mile
Lower

CA WELLS **CADW00000002516**

Longn:	-117.1061		
Latn:	33.3581		
Stwellno:	09S02W32A002S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

C8
East
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127299**

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	332128117061701
Site name:	009S002W32A004S		
Latitude:	332128		
Longitude:	1170617	Dec lat:	33.35781013
Dec lon:	-117.10558642	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	330.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19630101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	117	Hole depth:	117
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	10.00	

C9
East
1/4 - 1/2 Mile
Lower

CA WELLS **CADW00000002513**

Longn:	-117.1047		
Latn:	33.3578		
Stwellno:	09S02W32A004S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
D10 **ESE** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS3127285**

Agency cd:	USGS	Site no:	332118117061701
Site name:	009S002W32A001S		
Latitude:	332118		
Longitude:	1170617	Dec lat:	33.35503243
Dec lon:	-117.10558644	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	PALA	Map scale:	24000
Altitude:	330.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1960-11-04
Water quality data end date:	1960-11-04	Water quality data count:	1
Ground water data begin date:	1966-08-01	Ground water data end date:	1985-12-26
Ground water data count:	90		

Ground-water levels, Number of Measurements: 90

Date	Feet below Surface	Feet to Sealevel
1985-12-26	11.80	
1985-08-14	12.62	
1985-05-01	10.83	
1984-12-17	11.49	
1984-08-29	12.23	
1984-04-30	10.25	
1983-12-08	9.10	
1983-08-29	7.86	
1983-02-25	8.17	
1982-08-24	9.04	
1982-04-13	7.00	
1981-11-25	8.94	
1981-09-16	8.80	
1981-07-14	9.92	
1981-04-07	8.39	

Date	Feet below Surface	Feet to Sealevel
1985-10-17	12.99	
1985-06-06	11.44	
1985-02-11	10.97	
1984-11-06	12.14	
1984-06-25	11.57	
1984-02-15	10.84	
1983-10-18	8.55	
1983-07-08	7.77	
1982-12-15	8.93	
1982-07-02	8.49	
1982-03-02	7.44	
1981-10-16	8.72	
1981-08-07	10.23	
1981-06-03	8.42	
1981-03-11	8.37	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-02-18	8.99		1980-12-09	8.95	
1980-11-03	4.88		1980-10-08	4.43	
1980-07-30	3.67		1980-07-04	3.79	
1980-06-26	3.58		1980-05-14	4.09	
1980-04-03	3.91		1980-02-05	6.10	
1979-12-27	8.71		1979-11-16	8.27	
1979-10-17	8.42		1979-09-12	8.02	
1979-08-14	8.01		1979-07-18	7.90	
1979-06-13	7.57		1979-05-08	6.39	
1979-04-11	6.60		1979-03-20	8.17	
1979-02-05	8.95		1979-01-04	9.68	
1978-11-15	7.44		1978-10-11	8.38	
1978-09-07	7.55		1978-07-21	6.77	
1978-03-23	5.65		1978-01-27	6.75	
1977-12-20	10.32		1977-11-18	10.42	
1977-09-28	10.28		1977-08-26	9.98	
1977-07-22	9.60		1977-06-09	9.25	
1977-04-22	9.18		1977-03-23	9.15	
1977-02-03	9.13		1976-12-17	10.12	
1976-11-19	10.20		1976-10-07	10.16	
1976-09-03	10.34		1976-07-29	9.97	
1976-06-16	9.42		1976-03-30	8.55	
1976-01-21	9.39		1975-12-10	9.62	
1975-11-06	9.77		1975-09-26	9.64	
1975-08-26	9.27		1975-07-29	8.58	
1975-06-16	8.02		1975-05-22	8.92	
1975-04-22	7.81		1975-03-10	7.98	
1975-01-29	8.41		1972-09-29	7.33	
1972-04-19	6.18		1971-09-30	6.70	
1966-08-18	8.67		1966-08-01	9.00	

D11
ESE
1/4 - 1/2 Mile
Lower

CA WELLS **CADW00000002497**

Longn:	-117.1047		
Latn:	33.355		
Stwellno:	09S02W32A001S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

E12
SSE
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127250**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	332104117063001
Site name:	009S002W32G001S		
Latitude:	332104		
Longitude:	1170630	Dec lat:	33.35114362
Dec lon:	-117.1091977	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	PALA	Map scale:	24000
Altitude:	320.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1960-11-04
Water quality data end date:	1960-11-04	Water quality data count:	1
Ground water data begin date:	1966-08-01	Ground water data end date:	1985-05-01
Ground water data count:	24		

Ground-water levels, Number of Measurements: 24

Date	Feet below Surface	Feet to Sealevel
1985-05-01	10.02	
1984-04-30	9.82	
1983-07-08	8.63	
1982-03-02	7.09	
1981-03-11	5.73	
1980-05-14	6.05	
1979-03-20	10.32	
1978-03-23	5.97	
1977-03-23	8.25	
1976-03-30	7.84	
1972-04-19	6.98	
1966-08-19	10.50	

Date	Feet below Surface	Feet to Sealevel
1984-11-14	10.55	
1983-12-08	8.73	
1982-12-15	8.82	
1981-10-29	7.58	
1980-10-08	5.88	
1979-09-12	9.82	
1978-10-12	9.85	
1977-09-28	9.35	
1976-08-06	8.53	
1975-06-16	7.90	
1971-09-30	7.56	
1966-08-01	10.00	

E13
SSE
1/4 - 1/2 Mile
Lower

CA WELLS **CADW00000002461**

Longn:	-117.1083		
Latn:	33.3511		
Stwellno:	09S02W32G001S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

F14
ENE
1/4 - 1/2 Mile
Lower

CA WELLS **CADW00000002523**

Longn:	-117.1028		
Latn:	33.3589		
Stwellno:	09S02W29R001S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

F15
ENE
1/4 - 1/2 Mile
Lower

CA WELLS **CADW00000002524**

Longn:	-117.1028		
Latn:	33.3589		
Stwellno:	09S02W29R003S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

F16
ENE
1/4 - 1/2 Mile
Lower

CA WELLS **CADW00000002525**

Longn:	-117.1028		
Latn:	33.3589		
Stwellno:	09S02W29R004S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
F17 **ENE** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS3127313**

Agency cd:	USGS	Site no:	332132117061002
Site name:	009S002W29R002S		
Latitude:	332132		
Longitude:	1170610	Dec lat:	33.35892122
Dec lon:	-117.10364191	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	335.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Margarita. California. Area = 731 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	59.0	Hole depth:	59.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

F18 **ENE** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS3127314**

Agency cd:	USGS	Site no:	332132117061003
Site name:	009S002W29R003S		
Latitude:	332132		
Longitude:	1170610	Dec lat:	33.35892122
Dec lon:	-117.10364191	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported

Altitude:	335.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Margarita. California. Area = 731 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	59.0	Hole depth:	59.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1971-09-01	Ground water data end date:	1971-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1971-09-01	9.00	

F19
ENE
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127312**

Agency cd:	USGS	Site no:	332132117061001
Site name:	009S002W29R001S		
Latitude:	332132		
Longitude:	1170610	Dec lat:	33.35892122
Dec lon:	-117.10364191	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	335.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Margarita. California. Area = 731 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

Peak flow data count: 0
Water quality data end date:0000-00-00
Ground water data begin date: 1966-08-01
Ground water data count: 1

Water quality data begin date: 0000-00-00
Water quality data count: 0
Ground water data end date: 1966-08-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	10.00	

F20
ENE
1/4 - 1/2 Mile
Lower

FED USGS **USGS3127315**

Agency cd:	USGS	Site no:	332132117061004
Site name:	009S002W29R004S		
Latitude:	332132		
Longitude:	1170610	Dec lat:	33.35892122
Dec lon:	-117.10364191	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	335.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Santa Margarita. California. Area = 731 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	54.0	Hole depth:	54.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1971-09-01	Ground water data end date:	1971-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1971-09-01	7.00	

21
East
1/2 - 1 Mile
Lower

FED USGS **USGS3127295**

Agency cd:	USGS	Site no:	332124117060701
Site name:	009S002W33D001S		
Latitude:	332124.2		
Longitude:	1170607.2	Dec lat:	33.35672222
Dec lon:	-117.102	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	PALA	Map scale:	24000
Altitude:	331		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19780629
Date inventoried:	20040715	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	80	Hole depth:	95
Source of depth data:	driller		
Project number:	9677BHM22		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

22
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS3127434**

Agency cd:	USGS	Site no:	332057117065601
Site name:	009S002W32Z001S		
Latitude:	332057		
Longitude:	1170656	Dec lat:	33.34919918
Dec lon:	-117.11642016	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	303.00		
Altitude method:	Level or other surveying method		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

23
SSW
1/2 - 1 Mile
Lower

CA WELLS **9373**

Water System Information:

Prime Station Code:	09S/02W-32L01 S	User ID:	37C
FRDS Number:	3701785001	County:	San Diego
District Number:	67	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	332054.0 1170652.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	3701785		
System Name:	JOE LUCIO DAIRY		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

G24
SSW
1/2 - 1 Mile
Lower

CA WELLS **CADW00000002444**

Longn:	-117.1161		
Latn:	33.3481		
Stwellno:	09S02W32L001S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

G25
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS3127427**

Agency cd:	USGS	Site no:	332053117065801
Site name:	009S002W32L001S		
Latitude:	332053		
Longitude:	1170658	Dec lat:	33.3480881
Dec lon:	-117.11697574	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	PALA	Map scale:	24000
Altitude:	310.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19570101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	85.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1963-07-21
Water quality data end date:	1985-08-21	Water quality data count:	13
Ground water data begin date:	1966-08-01	Ground water data end date:	1966-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-08-01	13.00	

G26
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS3127428**

Agency cd:	USGS	Site no:	332053117065802
Site name:	009S002W32L002S		
Latitude:	332053		
Longitude:	1170658	Dec lat:	33.3480881
Dec lon:	-117.11697574	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	310.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	66.0	Hole depth:	66.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

H27
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS3127147**

Agency cd:	USGS	Site no:	332144117055401
Site name:	009S002W28N001S		
Latitude:	332144		
Longitude:	1170554	Dec lat:	33.36225449
Dec lon:	-117.0991973	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	340.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1953-07-10
Water quality data end date:	1959-08-03	Water quality data count:	8
Ground water data begin date:	1966-09-01	Ground water data end date:	1966-09-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1966-09-01	13.00	

H28
ENE
1/2 - 1 Mile
Lower

CA WELLS **CADW00000002554**

Longn:	-117.0983		
Latn:	33.3622		
Stwellno:	09S02W28N001S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

I29
NE
1/2 - 1 Mile
Higher

FED USGS **USGS3127174**

Agency cd:	USGS	Site no:	332153117054901
Site name:	009S002W28L001S		
Latitude:	332153		
Longitude:	1170549	Dec lat:	33.36475443
Dec lon:	-117.09780835	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	073
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	350.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	San Luis ReyEscondido. California. Area = 766 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1967-02-01	Ground water data end date:	1967-02-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1967-02-01	4.00	

I30
ENE
1/2 - 1 Mile
Higher

CA WELLS **CADW00000002583**

Longn:	-117.0969		
Latn:	33.3647		
Stwellno:	09S02W28L001S		
Districtco:	3		
Wellusecod:	Z		
Countycode:	37		
Gwcode:	900700	County:	San Diego
State:	CA	Gw name:	San Luis Rey Valley
District:	Southern District		
Descriptio:	Undetermined		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for SAN DIEGO County: 3

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 SAN DIEGO COUNTY, CA

Number of sites tested: 30

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.677 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.400 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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EDR® Environmental Data Resources Inc

"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Kasra Nikkhah
Haley & Aldrich
9040 Friars Rd.
San Diego, CA 92108

Order Date: 5/4/2007 **Completion Date:** 5/4/2007
Inquiry #: 1920488.3
P.O. #: NA
Site Name: Pala Substation
Address: Pala Road
City/State: Escondido, CA 92059
Cross Streets:

Customer Project: Pala Substation
1172961KEN 619-285-7115

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

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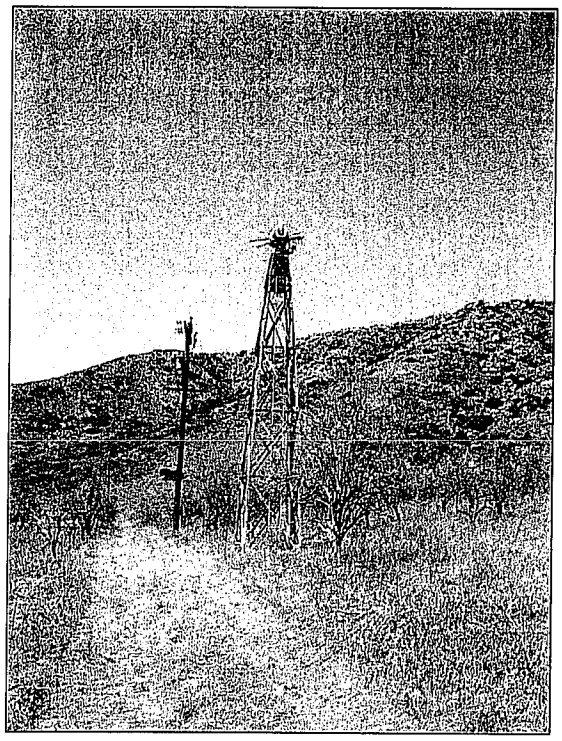
Section Divider:
APPENDIX D

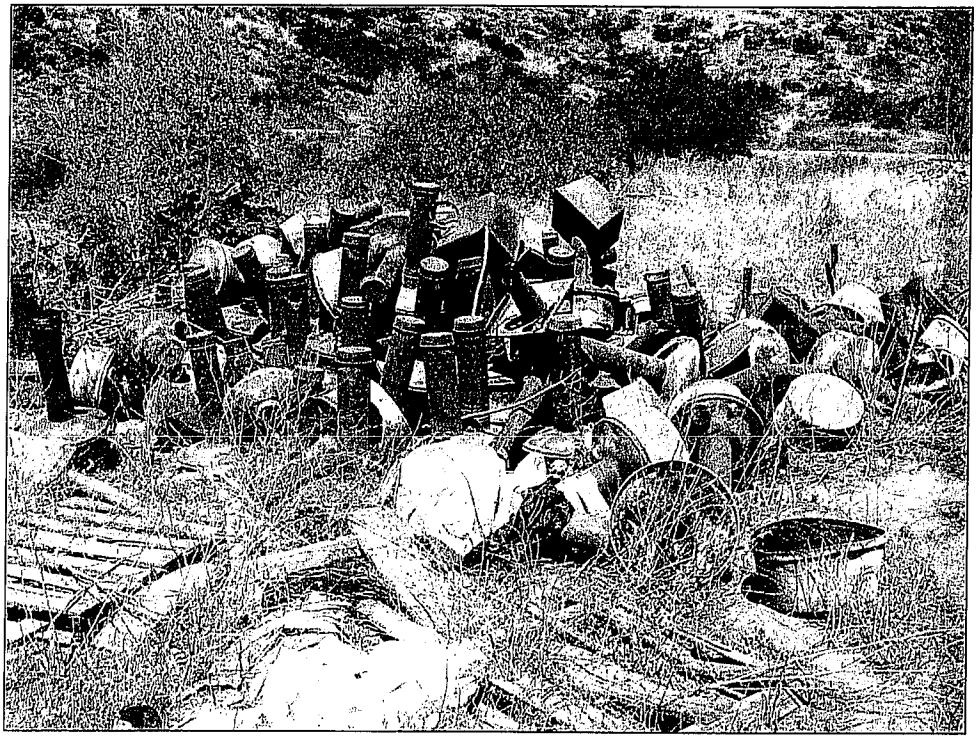
APPENDIX D

Site Photographs

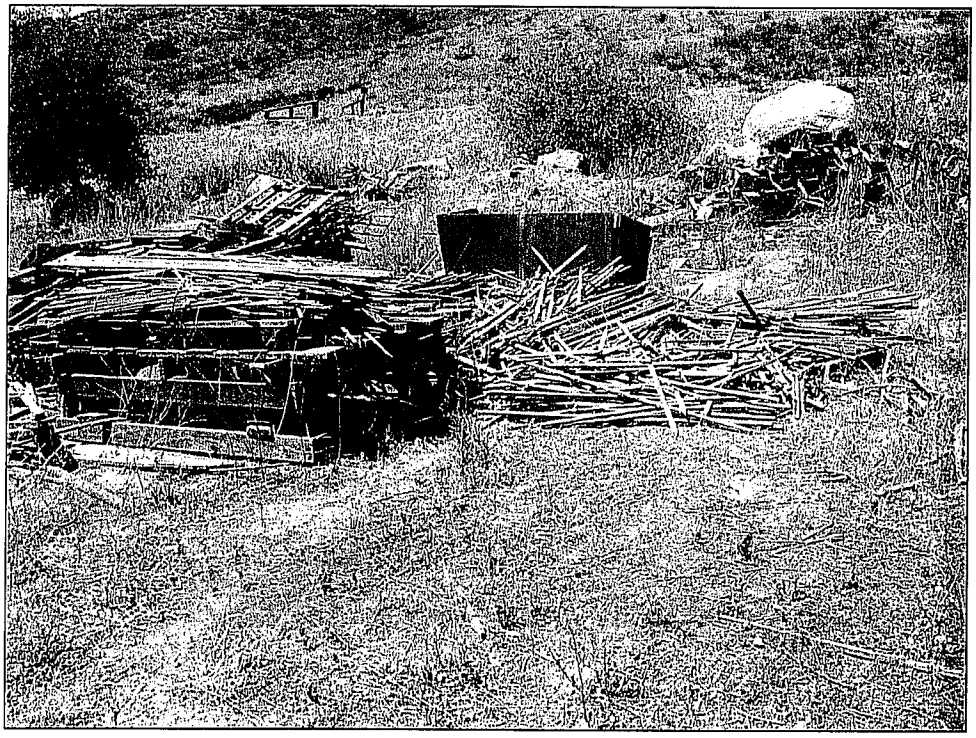


Photograph 1. Electrical transformer in central portion of the lemon grove.

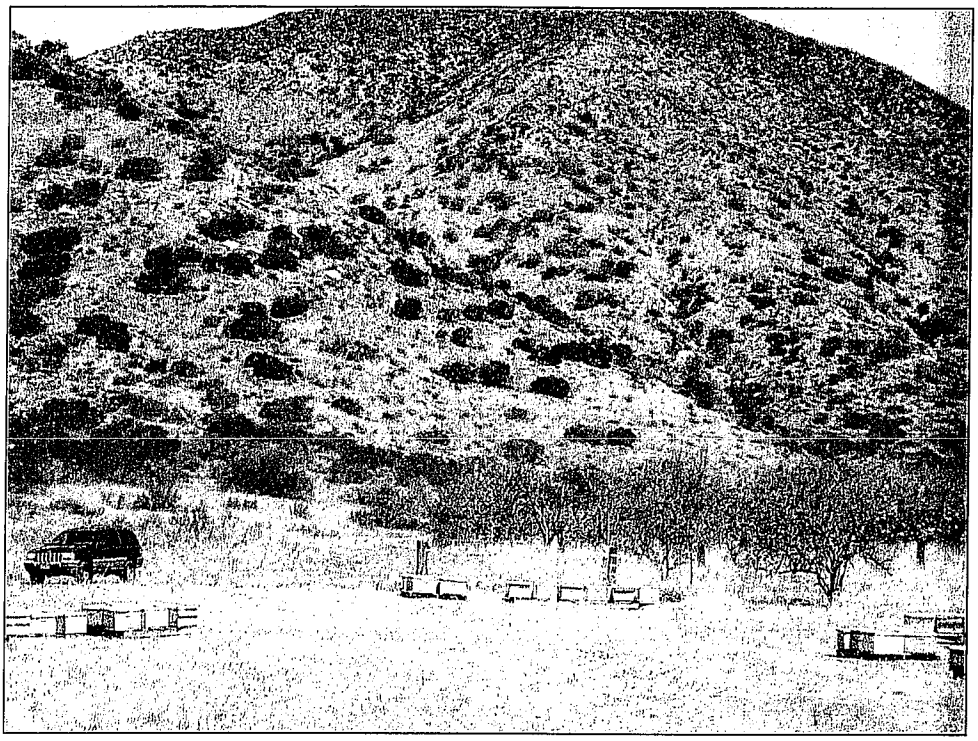
Photograph 2. Remnants of a bonfire, north of the lemon grove.



Photograph 3. Storage of metal piping to the west of the lemon grove.

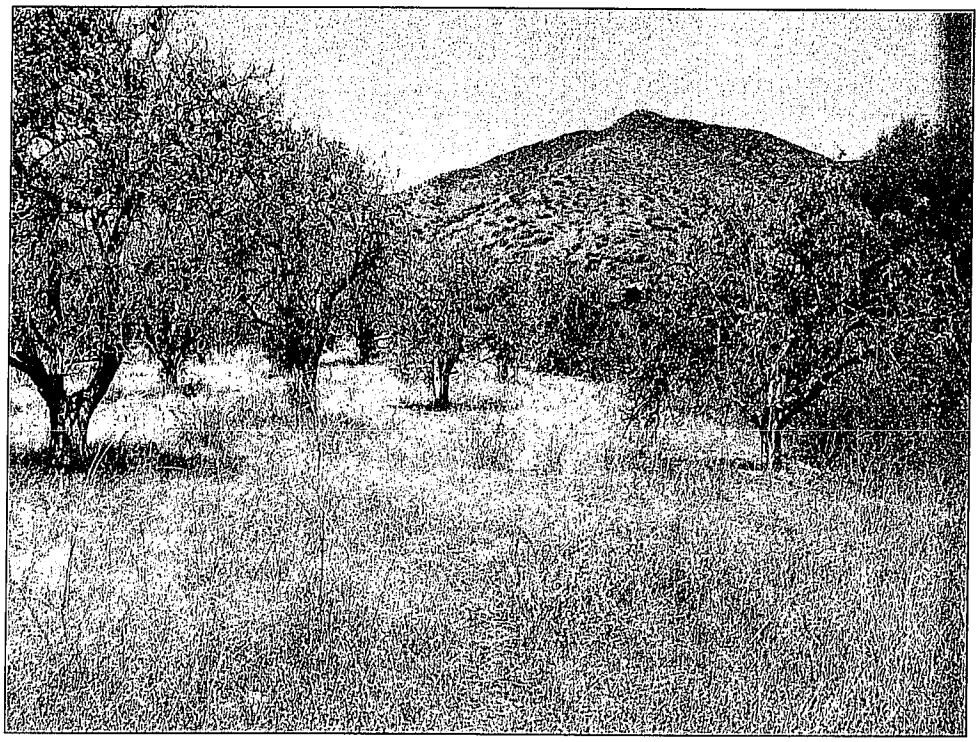


Photograph 4. Storage of wood to the west of the lemon grove.

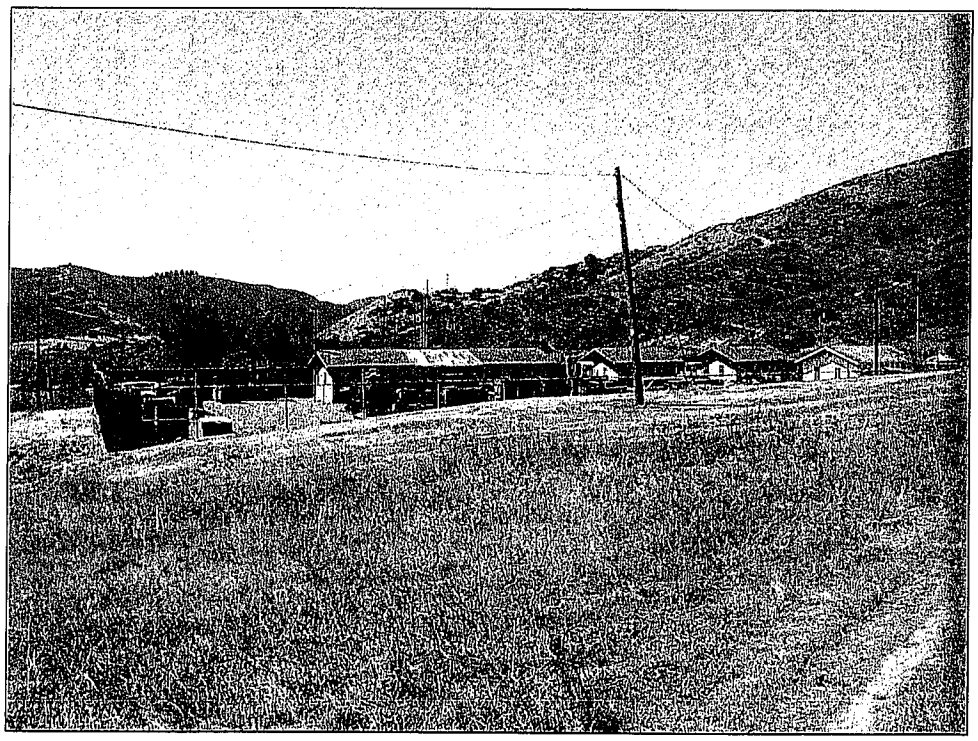


Photograph 5. View to the north west of beehives located west of lemon grove.

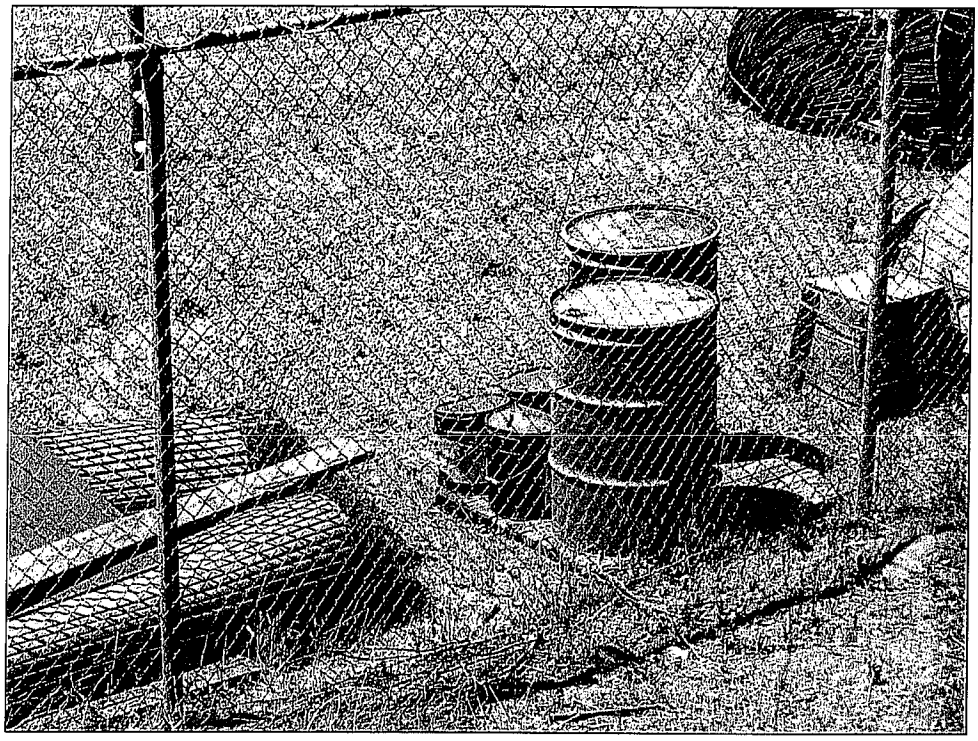
Photograph 6. View to the west of grassland in the northern portion of the site.



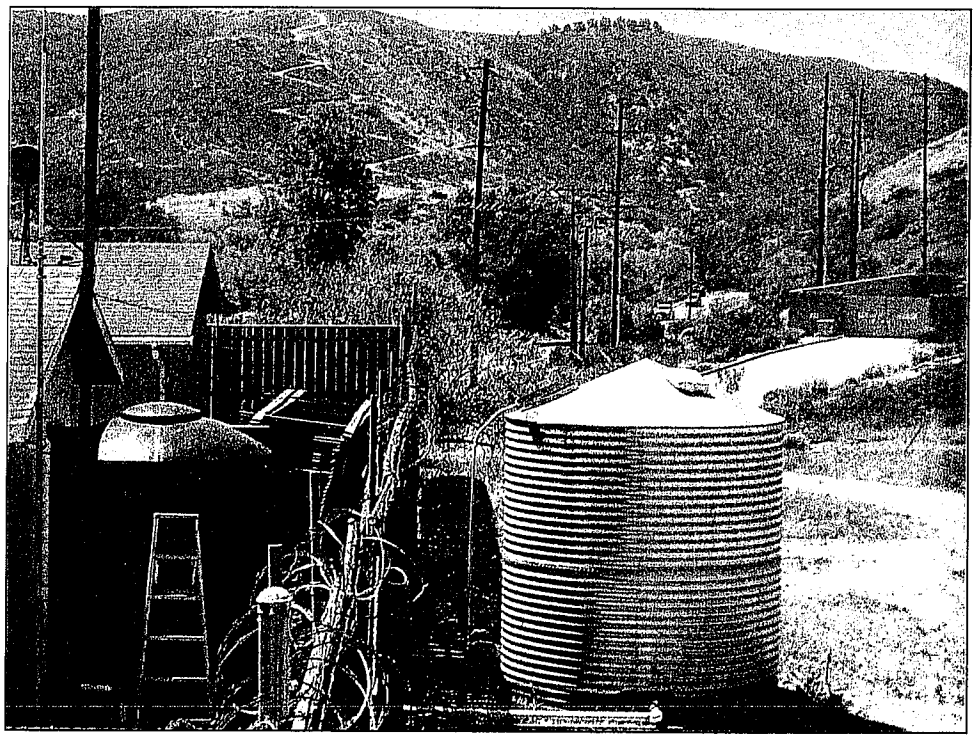
Photograph 7. View of the lemon grove to the east.



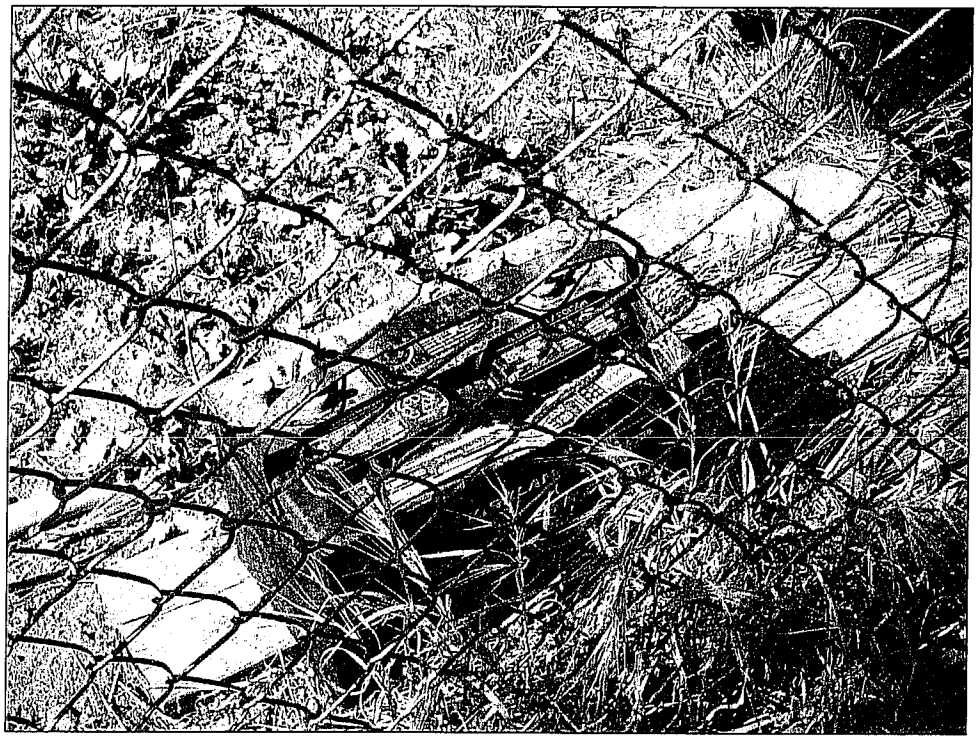
Photograph 8. View of the enclosed compound to the south west.



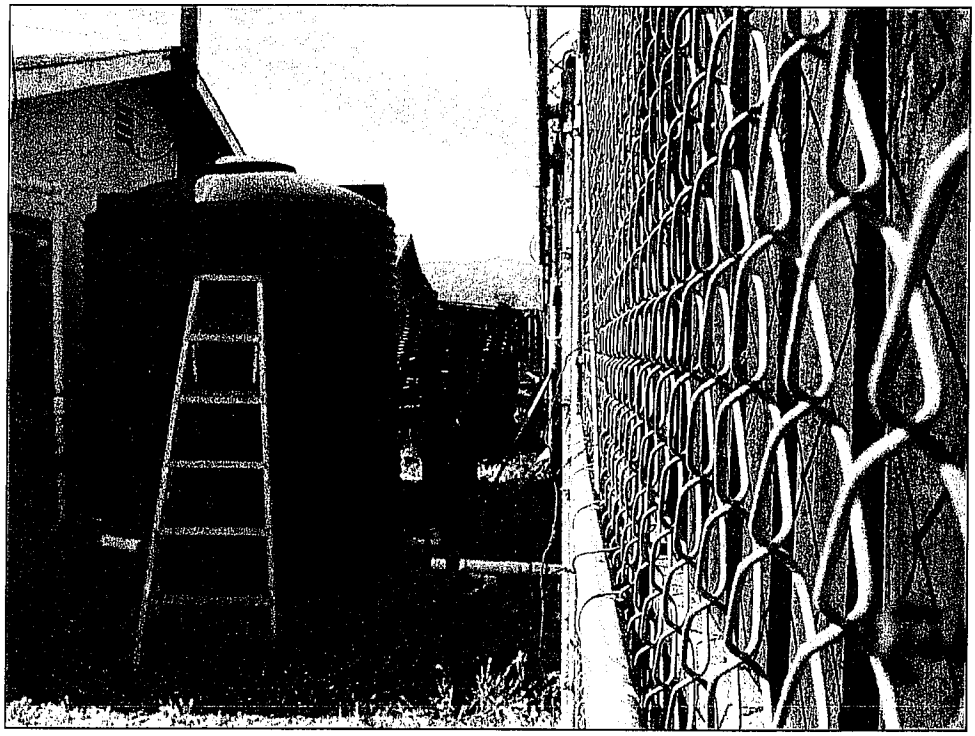
Photograph 9. View of metal drums and containers in north western area of the enclosed compound.



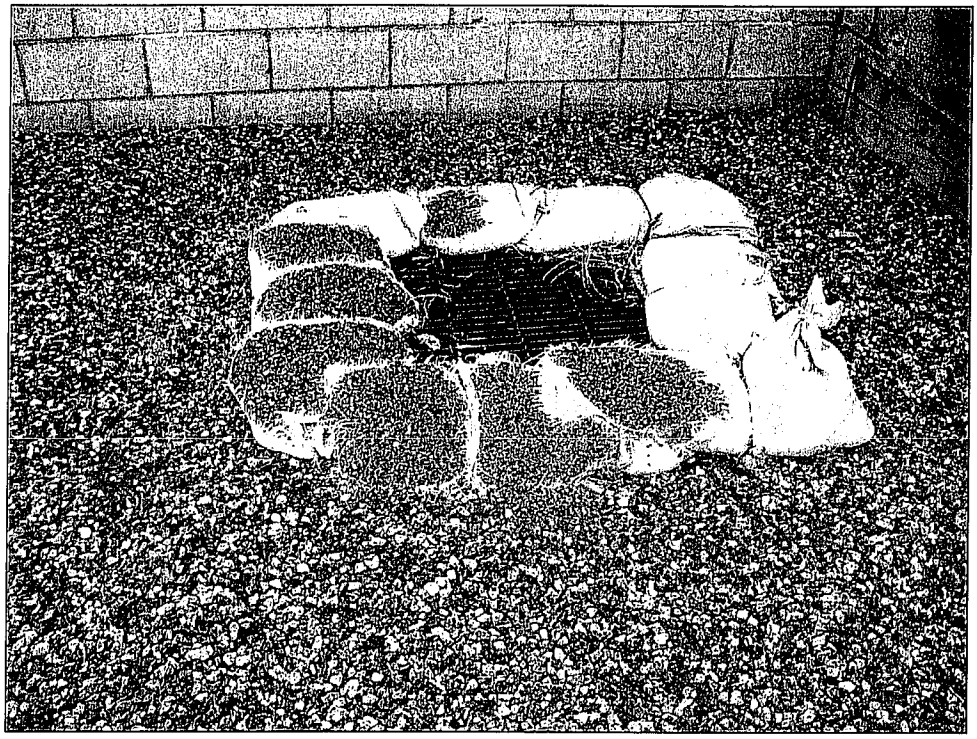
Photograph 10. View of water tank located west of the enclosed compound.



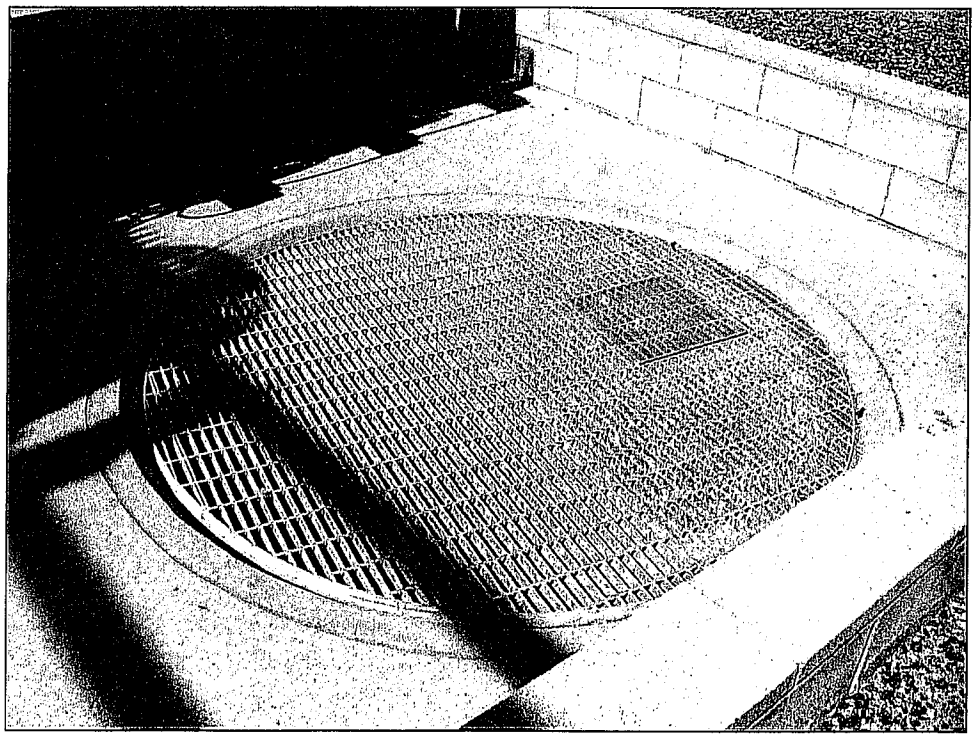
Photograph 11. View of vehicle battery in the northern portion of the enclosed compound.



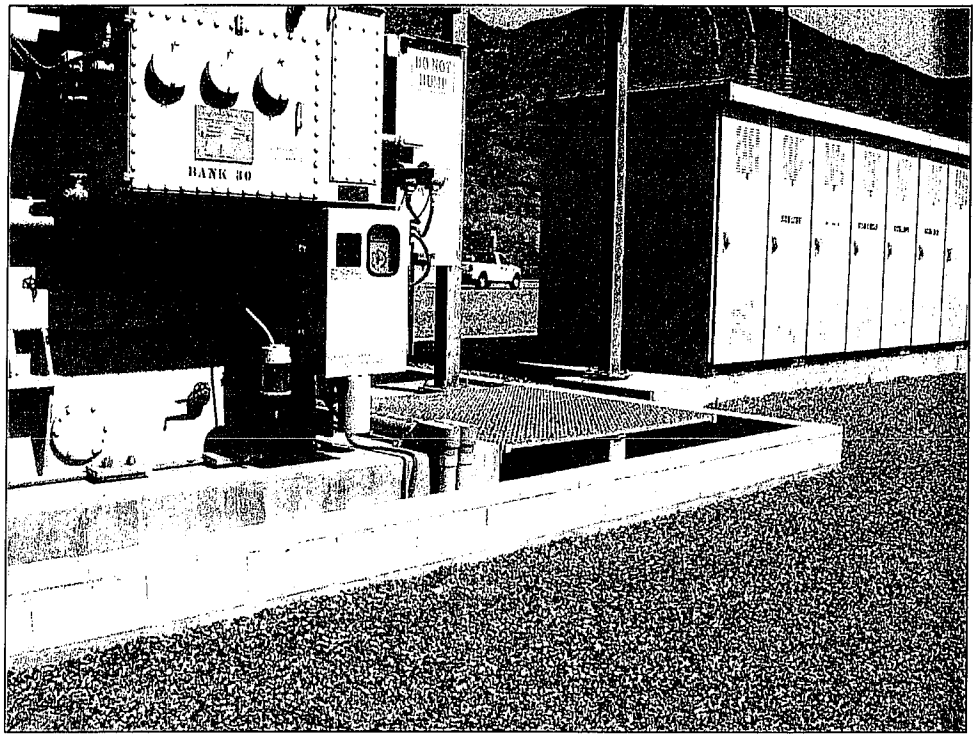
Photograph 12. View to the south of the water tank located within the enclosed compound.



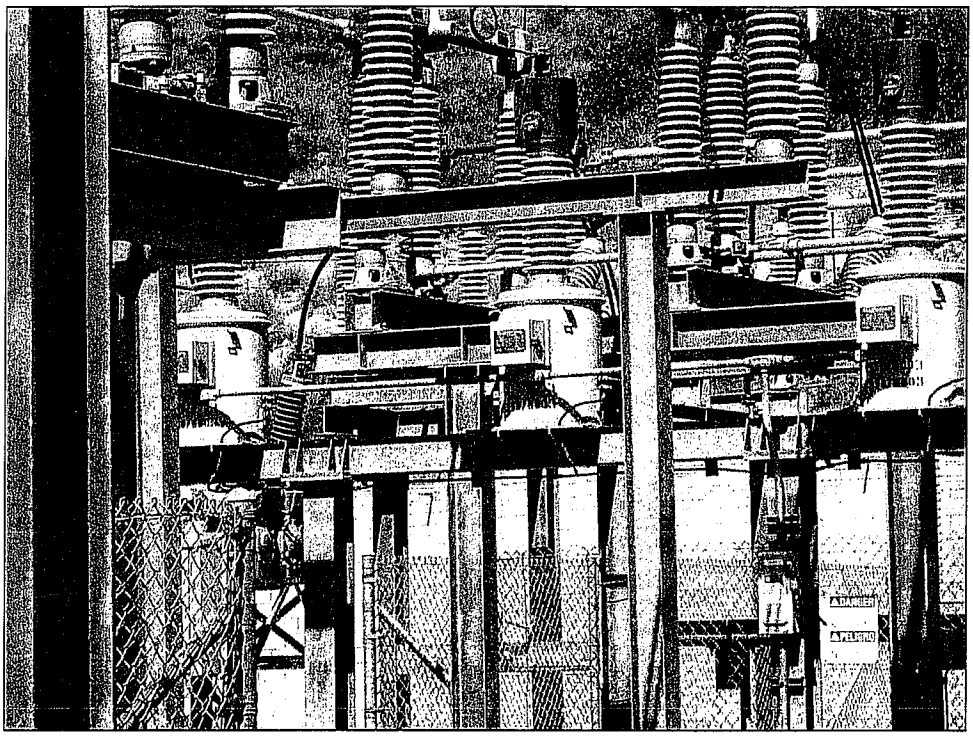
Photograph 13. View of the catch basin in south west portion of the substation.



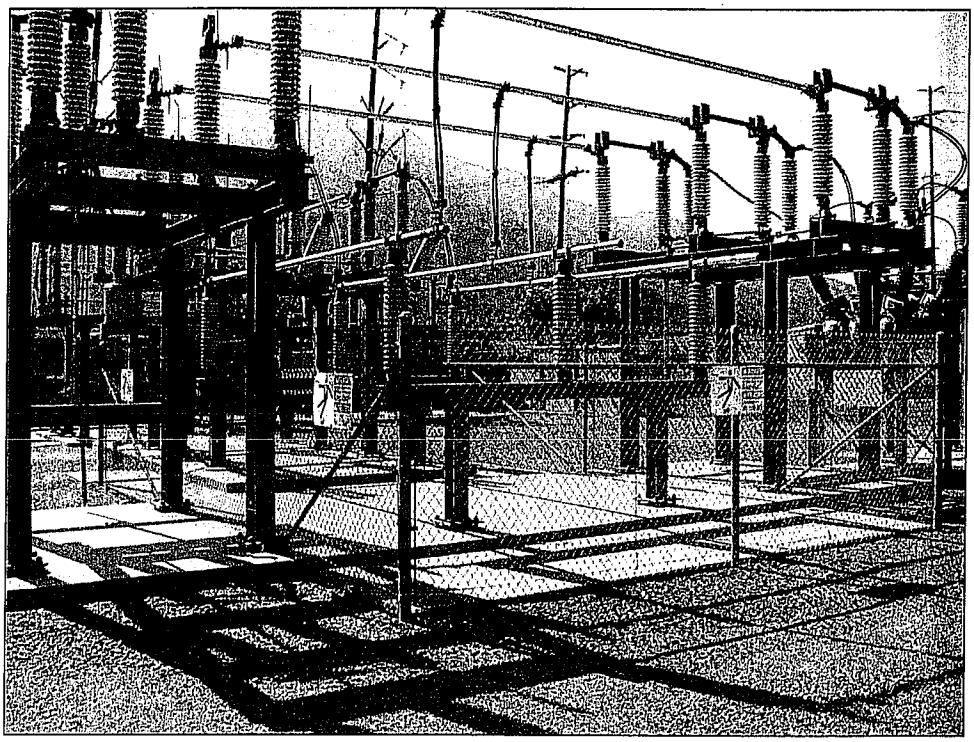
Photograph 14. View of sump within secondary containment surrounding the large oil transformer within the substation.



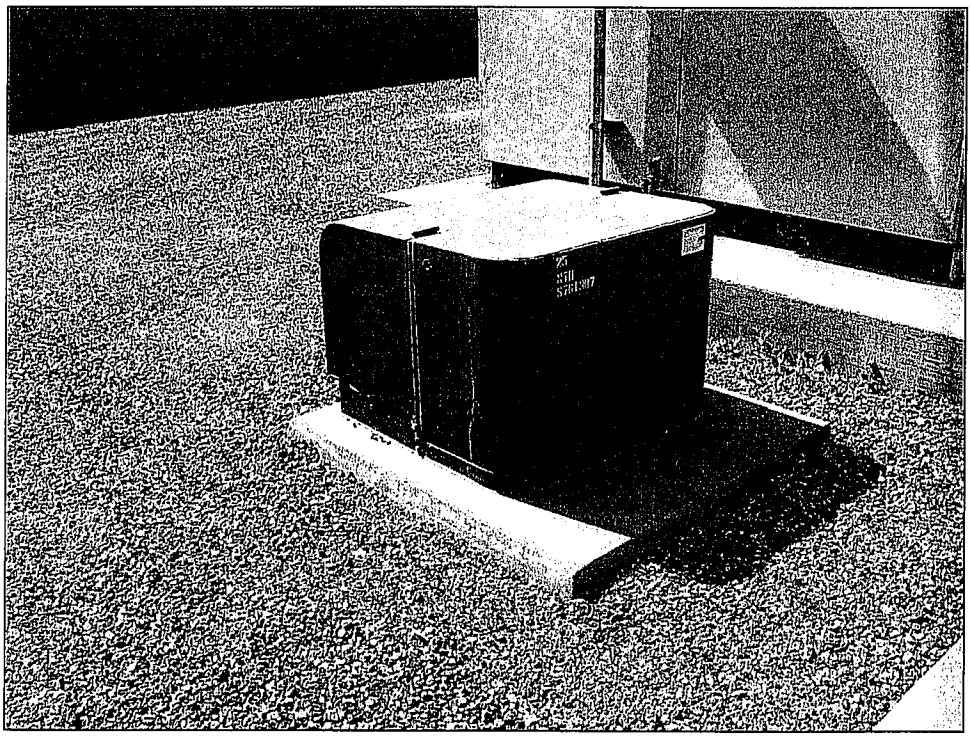
Photograph 15. View to the north of secondary containment surrounding the large oil transformer within the substation.



Photograph 16. View to the north west of the oil transformers within the substation.



Photograph 17. View to the south west of the circuit breakers within the substation.



Photograph 18. View to the west of the small oil transformer within the substation.

Section Divider:
APPENDIX E

APPENDIX E

Mitigation Negative Declaration correspondence with DTSC

2001051129
2001051129

MITIGATION NEGATIVE DECLARATION

SAN DIEGO GAS & ELECTRIC COMPANY
PALA SUBSTATION PROJECT
Application No. 01-01-050

Lead Agency:

CALIFORNIA PUBLIC UTILITIES COMMISSION

505 Van Ness Avenue
San Francisco, CA 94102
Tel: (415) 703-1729
Contact: Beth Shipley

Prepared by:

DUDEK
& ASSOCIATES, INC.
Professional Teams for Complex Projects

605 Third Street
Encinitas, CA 92024
Tel.: (760) 942-5147

MAY 2001

SECTION 1.0
INTRODUCTION

1.1 SUMMARY OF PROJECT DESCRIPTION

San Diego Gas & Electric Company (SDG&E) is a public utility corporation engaged principally in the business of providing electric service to a portion of Orange County, California, and electric and gas service to San Diego County, California. On January 29, 2001, SDG&E filed Application No. 01-01-050 pursuant to the California Public Utilities Commission (CPUC) General Order No. 131-D requesting authority for a Permit To Construct and Operate the Pala Substation project. The proposed Pala Substation would expand and replace the existing 43-year old substation with newer and more reliable equipment and would eliminate a 19 percent overload on the existing single bank substation. The existing Pala Substation and expansion site are located in northern San Diego County in the unincorporated Pala/Pauma subregional planning area. The proposed substation at full buildout is planned to be 56 MVA with two 28 MVA transformers and eight 12 kV (kilovolt) circuits. A 10-foot high wall will enclose the substation area (approximately 36,000 square feet) and landscaping will be established from the beginning of the project (see *Section 2, Project Description,* for further details).

1.2 AUTHORITY TO PREPARE A MITIGATED NEGATIVE DECLARATION

The CPUC is the lead agency pursuant to the California Environmental Quality Act (CEQA) and is responsible for authorizing the construction of the Pala Substation project. The CPUC's process for granting a Permit to Construct is focused on consideration of the environmental issues and concerns surrounding the project as proposed. In compliance with requirements of CEQA, an Initial Study was prepared for the project. This environmental study is specific to the construction of the Pala Substation at the proposed site.

Based on the findings of the Initial Study/Environmental Evaluation (see *Section 4, Initial Study/ Environmental Checklist* and *Section 5, Discussion of Environmental Impacts*) and support of the proposed project by the Pala/Pauma Sponsor Group (letter dated March 19, 2001), the CPUC has made the determination that a Mitigated Negative Declaration (MND) is the appropriate environmental document to be prepared in compliance with CEQA. As provided for by CEQA §21064.5, an MND may be prepared for a project subject to CEQA when an Initial Study has identified potentially significant effects on the environment but revisions

in the project have been made where clearly no significant effect on the environment would occur.

This draft MND has been prepared in conformance with §15070, subsection (a), of the State CEQA Guidelines. The purpose of the MND and the Initial Study/Environmental Evaluation is to determine the potential significant impacts associated with the proposed Pala Substation project and incorporate mitigation measures into the project design as necessary to reduce or eliminate the significant or potentially significant effects of the project.

1.3 CONTENT AND FORMAT OF MITIGATED NEGATIVE DECLARATION

This MND includes the following:

Section 1.0, Introduction: Provides an Introduction to the MND.

Section 2.0, Project Description: Provides a detailed description of the proposed project evaluated in this MND. This section also includes project purpose and need, location, site selection, project characteristics, construction, operation and maintenance and measures incorporated into the project to reduce environmental impacts.

Section 3.0, Proposed Finding of No Significant Effect: Provides finding that the project would not have a significant effect on the environment and rationale supporting this finding.

Sections 4.0 – 5.0, Initial Study/Environmental Discussion: Provides an analysis of environmental issues and concerns surrounding the project.

Section 6.0, Electric Magnetic Fields (EMF): Describes the CPUC's current policy regarding EMF exposure.

Sections 7.0 and 8.0, Report Preparation/References: Provides report preparation personnel and references.

SECTION 8.0
REFERENCES

8.1 LITERATURE CITED

- Affinis. 2000. *Letter report on archaeological resources at the SDG&E Pala Substation.* August 30.
- California Division of Mines and Geology. 1997. *Fault-Rupture Hazard Zones in California.* Special Publication 42 (Revised).
- Demere, Thomas A. and Stephen L. Walsh. 1994. *Paleontological Resources: County of San Diego.* August.
- Ecological Ventures California. 2000. *Field Survey Form, Pala Substation expansion Site Assessment.* July 28.
- Geocon. 2000. *Geological Investigation: Pala 69/12 kV Substation Expansion, San Diego County, California.* September 12.
- O'Farrell, Michael J. 2000. *Letter Report on Stephens' Kangaroo Rat Survey.* August 31.
- *San Diego, County of.*

  1987. *Land Use element: Pala-Pauma Subregional Plan.* July 28.
  1986. *Pala-Pauma Subregional Plan: Part XVII. Amended May 7.*

- *SDG&E Preliminary Environmental Assessment*, January 29, 2001. Available for review at the California Public Utilities Commission, 505 Van Ness Avenue, Room 4007, San Francisco, California 94102.
- *SDG&E Preliminary Environmental Assessment*, Supplemental Information, March 29, 2000.
- *SDG&E Subregional Natural Community Conservation Program Plan,* December 15, 1995.
- *SDG&E EMF Design Guidelines for Transmission, Distribution and Substation Facilities,* May 23, 1999.

8.2 PERSONS CONSULTED

- Joe Chisholm, Chairman, Pala-Pauma Sponsor Group

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

July 2, 2001

Ms. Beth Shipley
California Public Utilities Commission
505 Van Ness Avenue, Room 4007
San Francisco, California 94102

MITIGATED NEGATIVE DECLARATION FOR THE SAN DIEGO GAS & ELECTRIC COMPANY PALA SUBSTATION CPUC APPLICATION NO. - SCH # 2001051129

Dear Ms. Shipley:

The Department of Toxic Substances Control (DTSC) has received your Negative Declaration (ND) for the above-mentioned Project on June 29, 2001. Unfortunately, DTSC did not receive the report in time to submit its comments by 6/22/01. However, DTSC is submitting its comments no matter, hoping they will be incorporated into the ND.

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 at the Project site have resulted in any release of hazardous wastes/substances at the Project area.

2) The ND needs to identify any known or potentially contaminated site within the proposed Project area. The ND mentions the possibility for the presence of PCB's in the equipment containing cooling oil. 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 which government agency will provide appropriate regulatory oversight.

4) Investigate the presence of lead paints and asbestos containing materials (ACMs) in the currently existing building structures. If the presence of lead or ACMs are suspected, proper precautions should be taken during demolition activities. Additionally, the contaminants should be remediated in compliance

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with the California environmental regulations.

5) An environmental assessment should be conducted at the site to evaluate whether the site is contaminated with hazardous substances from the potential past and current uses including storage, transport, generation and disposal of toxic and hazardous waste/materials.

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 them rather than placing them in another location. Land Disposal Restrictions (LDR) are applicable to these soils. Also, if the project is planning to import soil to backfill the areas excavated, proper sampling should be conducted to make sure that the imported soil is free of contamination.

7) The ND shows less than significant hazard to the public or environment impact is expected through the routine transport, use, or disposal of hazardous materials. Therefore, the potential exists for the inadvertent release of hazardous materials from the future uses of hazardous materials. It should be addressed in detail in the ND.

8) The ND shows significant hazard impact is expected, therefore, the potential exists for the inadvertent release of hazardous materials from the future uses and storage of hazardous material. It should be addressed in detail in the ND.

9) The ND shows that less than significant hazard to the public is expected with future uses of the site, therefore, potential uses and storage of hazardous materials at the site should be addressed in the ND. 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. Include that information in the ND.

10) 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 general 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 is necessary to determine if an expedited response action is required to reduce existing or potential threats to public health or the environment. If it is not an immediate threat, final remedy should be implemented in compliance with state regulations

and policies rather than excavation of soil prior to any assessments.

11) The ND indicates that there was prior vegitation on the project site, therefore, onsite soils could contain pesticide residue. The site may have contributed to soil and groundwater contamination. Proper investigation and remedial actions should be conducted at the site prior to the new development.

12) A groundwater investigation may also be necessary based on the nature of on-site contaminants and the depth to the groundwater.

13) If during construction of the project, soil and/or groundwater contamination is suspected, stop construction in the area 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 which government agency will 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 or to meet/discuss this matter further, 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
State Clearinghouse
1400 Tenth Street
Sacramento, California 95814

Mr. Guenther W. Moskat, Chief
Planning and Environmental Analysis Section
CEQA Tracking Center
Department of Toxic Substances Control
P.O. Box 806
Sacramento, California 95812-0806

Sempra Energy

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101 Ash Street HQ-11B
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jdodson@sempra.com

July 31, 2001

Roosevelt A. Grant III
Analysis Branch, Energy Division
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102-3298

Re: San Diego Gas & Electric Company
Application for a Permit to Construct Pala Substation
Expansion, Application No. 01-01-050
Mitigated Negative Declaration

Dear Mr. Grant:

SDG&E recently received a copy of the July 2, 2001, letter from the California Department of Toxic Substances Control ("DTSC") commenting upon the draft Mitigated Negative Declaration ("MND"). DTSC comments that a site assessment needs to be conducted at the existing Pala substation to determine whether current or historic operations have resulted in any release of hazardous wastes/substances at the project site[1] and that the MND needs to evaluate whether conditions at the site pose a threat to human health or the environment.

DTSC states that the MND must evaluate whether conditions at the site pose a threat to human health or the environment[2], the mechanism for any required investigation and/or remediation[3], the presence of any lead paints or asbestos containing materials ("ACM") with appropriate precautions during demolition.[4]

Section 5.7 of the MND[5] states, with respect to the project including the removal of the existing Pala substation, as follows:

> The removal of the existing substation equipment will begin after facilities are installed so that uninterrupted electric service would be provided to customers. Prior to dismantling and demolition, all equipment containing cooling oil will be tested for PCBs. If PCBs are present, the oil will be disposed of utilizing all applicable federal, state and local requirements to a facility authorized to accept

[1] DTSC July 2, 2001, letter to Beth Shipley at the Commission, Comment Nos. 1 and 5.
[2] Id at p. 1, Comment No. 2
[3] Id at p. 1, Comment No. 3
[4] Id at p. 1, Comment No. 4
[5] MND at p. 5-16

> hazardous waste. If the oil is not contaminated, it will be sold and transferred to a fuel oil storage and distribution company for use. After all of the cooling oil has been safely removed, the existing substation will be dismantled and all hardware that is reusable will be refurbished at SDG&E's Kearny Mesa facility for use at other SDG&E substations with similar equipment. Material that cannot be reused, such as wiring, metal works and similar material will be disposed of at an approved landfill or sold and transferred to a recycling company. Any asphalt and concrete from the equipment pad area would be removed with standard construction and demolition equipment, sold and transferred to a concrete and asphalt recycling company.
>
> All transport, handling, use, and disposal of substances such as petroleum products, solvents, and paints related to construction, operation, and maintenance of the substation shall comply with all federal, state and local laws regulating the management and use of hazardous materials.

SDG&E is not aware of any significant releases of oil, PCBs, or any hazardous substance on the project site. In any event, "[a] condition requiring compliance with environmental regulations, such as set forth in Section 5.7 of the MND, is a common and reasonable mitigation measure,"[6] where the agency had meaningful information reasonably justifying an expectation of mitigation of environmental effects.[7] Moreover, SDG&E's commitment to test for any hazardous PCBs in oil-filled equipment also serves as meaningful mitigation.[8]

Section 5.7 of the MND, not only states that SDG&E will comply with all federal, state and local laws regarding the management and use of hazardous materials concerning their transportation, handling, use and disposal, it also sets forth the prudent method SDG&E will employ to test for PCBs, to dispose of any PCB oil, to dispose of non-PCB oil, and the reuse, recycling and disposal, as appropriate, of hardware, wiring, concrete and asphalt. The MND found that the project would not create a significant hazard through the transportation, use, or disposal of hazardous materials. This is especially true with the application of these measures. Accordingly, no further assessment measures need to be expressed in the MND.

SDG&E respectfully refers the Commission to the foregoing in response to DTSC Comment Nos. 6, 7 and 8, except to clarify that no "significant hazard impact is expected" as set forth in Comment No. 8. The project would result in no impact or less than significant impacts for "Hazards and Hazardous Materials."[9]

---

[6] Leonoff v. Monterey County Board of Supervisors, 222 Cal.App.3d 1337, 1355, 272 Cal.Rptr. 372 (1990).
[7] Id.
[8] Laurel Heights Improvement Assn. V. Regents of the University of California, 47 Cal.3d 376, 412, 253.
[9] MND at pp. 4-8, 4-9, 5-16 and 5-17

SDG&E respectfully refers the Commission to the foregoing in response to DTSC Comment Nos. 6, 7 and 8, except to clarify that no "significant hazard impact is expected" as set forth in Comment No. 8. The project would result in no impact or less than significant impacts for "Hazards and Hazardous Materials."[9]

In response to DTSC Comment No. 9, SDG&E respectfully refers DTSC to Section 5.7 of the MND, where, in part, it is stated that all use of hazardous materials and disposal of hazardous wastes would be in compliance with state Title 22 and federal Title 40 requirements, including the oil spill control and counter measure plan (SCCP) required by Title 40 CFR Section 112.7. No transformer oil or used oil would be stored on site and no extraordinary risk of accidental explosion or release is anticipated.

In response to Comment Nos. 10, 11, 12 and 13, SDG&E would remediate any hazardous substance encountered, if any, in accordance with local, state and federal law and regulations. Otherwise, SDG&E refers the Commission to its foregoing responses to DTSC's comment letter.

If you have any questions or comments, please feel free to give me a call at (619) 699-5106.

Sincerely,

James R. Dodson

JRD:jlv

cc: John Porteous – Dudek & Associates
Mary Turley – Regulatory Affairs

Halssam Y. Salloum
Unit Chief
Southern California Cleanup Operations Branch
DTSC

Guenther W. Moskat, Chief
Planning and Environmental Analysis Section
CEQA Tracking Center
DTSC

[9] MND at pp. 4-8, 4-9, 5-16 and 5-17

APPENDIX E

2007 HALEY & ALDRICH PHASE II

SUBSURFACE SOIL AND GROUNDWATER INVESTIGATION
SAN DIEGO GAS & ELECTRIC PALA SUBSTATION
PALA ROAD
PALA, CALIFORNIA

by

Haley & Aldrich, Inc.
San Diego, California

for

SDG&E
8315 CENTURY PARK CT, CT21E
SAN DIEGO, CA 92123

File No. 34503-001
31 May 2007

HALEY & ALDRICH

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HaleyAldrich.com

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31 May 2007
File No. 34503-001

San Diego Gas & Electric
8315 Century Park CT, CT21E
San Diego, CA 92123

Attention: Ms. Barbara Montgomery
Subject: Subsurface Soil and Groundwater Investigation
SDG&E Pala Substation, Pala Road
Pala, California

Dear Ms. Montgomery:

Haley & Aldrich, Inc. (Haley & Aldrich) is pleased to submit the results of the Subsurface Soil and Groundwater Investigation performed at the San Diego Gas & Electricity (SDG&E) Pala Substation Property (subject site) located on Pala Road, in Pala, California (herein referred to as the "subject site" (Figure 1).

BACKGROUND

Haley & Aldrich understands that the subject site is planned for use as a peaking generation facility, operated by SDG&E. Based on the historical information obtained form the site visit with SDG&E representatives and the result of a Phase I Environmental Site Assessment study conducted by Haley & Aldrich, REC's (listed below) and current side conditions, five locations were chosen to evaluate soil and groundwater conditions at the subject site.

REC #1: Potential presence of pesticides/herbicides in soil under the lemon groves and other areas of the site

REC #2: Presence of septic tank near/at enclosed compound

PRE-FIELD ACTIVITIES

Prior to commencement of field activities, Haley & Aldrich prepared a site-specific health and safety plan (HASP) for the subject site. The HASP outlines potential chemical and physical hazards at the subject site. A boring permit for two borings anticipated to collect ground water samples were obtained from San Diego County DEH prior to advancing the borings. A copy of the approved permit is included in Appendix A.

In addition, at least 48 hours prior to initiation of intrusive field tasks, Underground Service Alert (USA) was notified of our intent to conduct subsurface investigations. USA contacted utility owners of record within the subject site vicinity and notified them of our intention to conduct subsurface investigations in proximity to buried utilities. Utility owners of record, or their designated agents, were expected to clearly mark the position of their utilities on the

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ground surface throughout the area designated for investigation. Also, ULS Services Corporation (ULS), a private utility clearance service locator, was contracted to perform utility clearance in the vicinity of each of the sampling locations. ULS performed utility clearance on 24 May 2007 prior to the commencement of subsurface sampling activities.

SUBSURFACE FIELD INVESTIGATION

Haley & Aldrich oversaw the subsurface field investigation on 24 May 2007. InterPhase Environmental Services advanced 5 soil borings at the subject site to depths ranging between 5 and 25 feet below ground surface (bgs) using a direct-push Geoprobe drill rig. Figure 2 shows the soil boring locations. Soil boring DP01 was advanced to a depth of 25 feet bgs in the northeast portion of the subject site, soil borings DP02, DP03, DP04 and DP05 were advanced to a depth of 5 feet bgs.

Soil samples were collected at 1, 2 and 4 feet bgs from borings DP01, DP02, DP03, DP04, and DP05. Groundwater was not encountered in the two borings planned for sampling; therefore groundwater samples were not collected. Soil samples were screened in the field for volatile organic compounds with a photoionization detector (PID). Soil samples were collected in acetate sleeves, capped with Teflon sheeting, end caps, labeled, placed in individually sealable plastic bags, and placed in an ice filled cooler. The soil samples were then transported to CalScience Environmental Laboratories, Inc, a California-certified laboratory, under standard chain of custody protocols. After completion of sampling at each boring, the boreholes were backfilled with hydrated bentonite.

The 1-foot soil samples from all borings were analyzed for the following:

- Total petroleum hydrocarbons (TPH) as gasoline (TPHg) and diesel (TPHd) by U.S. Environmental Protection Agency (EPA) Method 8015M;
- Pesticides following EPA Method 8081.
- 1, 2-dibromo-3-chloropropane (DBCP);
- Chlorinated herbicides following EPA Method 8150 or equivalent
- Metals following EPA Method 6010
- Volatile Organic Compounds (VOCs) by EPA Method 8260B

The 2-foot samples from borings were analyzed for:

- Total petroleum hydrocarbons (TPH) as gasoline (TPHg) and diesel (TPHd) by U.S. Environmental Protection Agency (EPA) Method 8015M;
- Polychlorinated biphenyls (PCBs) by EPA Method 8082;

The remaining samples were put on hold at the laboratory for future analysis if necessary.

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SOIL SAMPLE ANALYTICAL RESULTS

Tables I through VII summarize soil sample analytical results. Laboratory analytical reports are included in Appendix B. Discussion with Ms Barbara Montgomery of SDG&E modified the metals analysis to include Title 22 Metals instead of only Arsenic. The following is a summary of the analytical results.

- Table I summarizes TPH concentrations in soil at the subject site. A review of Table I indicates that TPH was not detected above laboratory reporting limits in the soil samples analyzed.

- The following metals were detected in soil above laboratory reporting limits: arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, Selenium, vanadium, and zinc (Table II). A Comparison of detected metal concentrations to background concentrations, as shown in Table III, indicates metal concentrations are within the range of naturally occurring levels published by the Cal/EPA for Southern California, except for selenium. A maximum selenium concentration of 3.79 mg/kg was observed in one sample (DP04-SS-04) at approximately 4-foot bgs. This concentration is three orders of magnitude less than the California Human Health Screening Levels (CHHSL's) for industrial use (4800 mg/kg), published by the California Environmental Protection Agency (CAL EPA). In addition this concentration is approximately two orders of magnitude below the industrial Preliminary Remediation Goals (PRG's) established by the United State EPA (510 mg/kg). Furthermore, the concentrations and distribution of detected metals in soil are not indicative of site-wide metals impacts, as the maximum concentration was observed in the uphill orchard portion of the site.

- PCBs were not detected above laboratory reporting limits in the soil samples analyzed from the subject site (Table IV).

- Herbicides and pesticides were not detected above laboratory reporting limits in the soil samples analyzed from the subject site (Tables V&VI).

- VOCs including DBCP were not detected above laboratory reporting limits in the soil samples analyzed from the subject site (Table VII).

CONCLUSIONS

- Concentrations of TPH, PCBs, VOC's including DBCP, herbicides, and pesticides were not detected in soil samples analyzed from the subject site.

- In general, metals detected in soil samples collected and analyzed from the subject site are within the range of naturally occurring levels published by the Cal/EPA for southern California, except for Selenium. The observed Selenium concentration are

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orders of magnitude less than the CHHSL's and PRG's for industrial site use and do not warrant further action.

Based on this limited investigation and the analytical results detected, additional activities do not appear warranted at the Site.

We appreciate the opportunity to provide services to you on this project. Please do not hesitate to call if you have any questions or comments.

Sincerely yours,
HALEY & ALDRICH, INC.

Nidal Samara
Environmental Engineer

Robert Manriquez, PG
Senior Geologist

PROFESSIONAL GEOLOGIST
ROBERT L. MANRIQUEZ
No. 7407
STATE OF CALIFORNIA

Enclosures:

- Table I – Soil Analytical Data - Total Petroleum Hydrocarbons
- Table II – Metals
- Table III – Soil Analytical Data – Summary of Background Metals Concentrations
- Table IV – Soil Analytical Data – Polychlorinated Biphenyls
- Table V – Soil Analytical Data – Volatile Organic Compounds
- Table VI – Soil Analytical Data – Polyaromatic Hydrocarbons
- Table VII – Soil Analytical Data – Herbicides and Pesticides
- Figure 1 – Project Locus
- Figure 2 – Site Plan and Soil Boring Locations
- Appendix A – Approved boring permit document
- Appendix B – Laboratory Analytical Reports

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TABLE I
SUMMARY OF ANALYTICAL DATA - TOTAL PETROLEUM HYDROCARBONS
SDG&E PALA SUBSTATION
PALA, CALIFORNIA

LOCATION DESIGNATION **SAMPLE DESIGNATION** **DEPTH (FEET)** **SAMPLING DATE**	DP01 DP01-SS-010 1 05/24/07	DP01 DP01-SS-020 2 05/24/07	DP02 DP02-SS-010 1 05/24/07	DP02 DP02-SS-020 2 05/24/07	DP03 DP03-SS-010 1 05/24/07	DP03 DP03-SS-020 2 05/24/07	DP04 DP04-SS-010 1 05/24/07	DP04 DP04-SS-020 2 05/24/07	DP05 DP05-SS-010 1 05/24/07	DP05 DP05-SS-020 2 05/24/07
PHC AS DIESEL FUEL	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
PHC AS GASOLINE	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (MG/KG)

TABLE II
SUMMARY OF ANALYTICAL DATA - METALS
SDG&E PALA SUBSTATION
PALA, CALIFORNIA

LOCATION DESIGNATION	DP01	DP01	DP02	DP03	DP03	DP04	DP04	DP05
SAMPLE DESIGNATION	DP01-SS-010	DP01-SS-020	DP02-SS-010	DP03-SS-010	DP03-SS-020	DP04-SS-010	DP04-SS-040	DP05-SS-010
DEPTH (FEET)	1	2	1	1	2	1	4	1
SAMPLING DATE	05/24/07	05/24/07	05/24/07	05/24/07	05/24/07	05/24/07	05/24/07	05/24/07
Metals								
ANTIMONY	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75	<0.75
ARSENIC	**1.54**	**1.81**	**1.7**	**0.905**	**0.86**	**1.9**	**1.22**	**1.54**
BARIUM	**59.7**	**59.6**	**87**	**63**	**32**	**66.1**	**53.6**	**95.8**
BERYLLIUM	<0.250	<0.25	**0.259**	<0.25	<0.25	<0.25	<0.25	<0.25
CADMIUM	<0.5	<0.5	<0.5	<0.5	<0.50	<0.50	<0.50	<0.50
CHROMIUM	**8.55**	**9.72**	**18.6**	**18.5**	**10.8**	**17.8**	**34.9**	**8.48**
COBALT	**4.98**	**5.47**	**9.21**	**7.98**	**4.32**	**9.26**	**23.1**	**7.27**
COPPER	**9.06**	**9.88**	**19.7**	**18.2**	**12.5**	**22.7**	**19.1**	**9.94**
LEAD	**2.43**	**2.28**	**3.35**	**2.25**	**2.15**	**3.13**	**4.45**	**2.39**
MERCURY	<0.0835	<0.0835	<0.0835	<0.0835	<0.0835	<0.0835	<0.0835	<0.0835
MOLYBDENUM	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
NICKEL	**4.09**	**4.11**	**8.3**	**10.8**	**6.05**	**11**	**17.8**	**10.4**
SELENIUM	**1.37**	**2.08**	**1.3**	**1.01**	<0.75	**2.14**	**3.79**	**2.06**
SILVER	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
THALLIUM	<0.75	<0.75	<0.75	**1.08**	**1.31**	**1.09**	<0.75	**1.99**
VANADIUM (FUME OR DUST)	**35.9**	**39.1**	**50.8**	**38.2**	**30.3**	**33.8**	**63.3**	**16.4**
ZINC	**21.1**	**29.1**	**46.3**	**34**	**25.4**	**29.5**	**24.9**	**8.87**

CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (MG/KG)

TABLE III
SUMMARY OF BACKGROUND METALS CONCENTRATIONS OBTAINED FROM L
SDG&E PALA SUBSTATION
PALA, CALIFORNIA

Metals	Source: USGS 1984 Western U.S. Minimum	Geometric Mean	Arithmetic Mean	Maximum	C MI	Source: Cal-EPA 1992 alifornia (23 Agricultural and Urban Sites in tern and Southern Los Angeles Area) Geometric Mean	Arithmetic Mean	Maximum	Background Concentration in California Maximum Reported	Maximum Detected Concentration in Onsite Soil Samples Maximum	Does Maximum Detected Site Concentration Exceed Literature Background Concentration?
Antimony (Sb)	< 1	0.47	0.62	2.6		---	---	1.90	1.95	<0.75	No
Arsenic (As)	< 0.10	5.5	7.0	97		---	---	15.2	31.2	1.9	No
Barium (Ba)	70	580	670	5,000		---	---	560	1,400	95.8	No
Beryllium (Be)	< 1	0.68	0.97	15		---	---	1.2	2.7	0.259	No
Cadmium (Cd)	---	---	---	---		---	---	1.45	1.7	<0.5	No
Chromium (Cr)	3	41	56	2,000		---	---	32.6	1,579	34.9	No
Cobalt (Co)	< 3	7.1	9.0	50		---	---	23.2	46.9	23.1	No
Copper (Cu)	2	21	27	300		---	---	54.0	258	22.7	No
Lead (Pb)	< 10	17	20	700		---	---	189.4	189.4	4.45	No
Mercury (Hg)	< 0.01	0.046	0.065	4.6		---	---	0.60	0.9	<0.0835	No
Molybdenum (Mo)	< 3	0.85	1.1	7		---	---	1.40	9.60	<0.25	No
Nickel (Ni)	< 5	15	19	700		---	---	28.2	509	17.8	No
Selenium (Se)	< 0.1	0.23	0.34	4.3		---	---	---	1.3	3.79	Yes
Silver (Ag)	---	---	---	---		---	---	0.75	8.3	<0.25	No
Thallium (Th)	2.4	9.1	9.8	31		---	---	35.0	36.2	1.99	No
Vanadium (V)	7	70	88	500		---	---	84.8	288	63.3	No
Zinc (Zn)	10	55	65	2,100		---	---	247	354	46.3	No

Note: Maximum Reported Background Concentration in California does not include
Concentrations in units of milligrams per kilogram (mg/kg)
--- = Not Evaluated
NA = Not applicable

Background Sources

USGS 1984: Element Concentrations in Soils and Other Surficial Materials of the C
Professional Paper 1270 by H.T. Shackette and J. G. Boerngen (Western U.S. Dat
Kearney Foundation 1996: Background Concentrations of Trace and Major Eleme
Science, Division of Agriculture and Natural Resources, University of California
Cal-EPA 1991: Background Levels of Trace Elements in Southern California Soils
Environmental Protection Agency, Contract No. 89-T0081 by University of Californ
Bradford, G.R., R.J. Arkley, P.F. Pratt, and F.L. Blair. 1967. Total Content of Nine
Soils Profiles of California. Hilgardia 38:541-556.
Cal-EPA 1992: Background Levels of Trace Elements in Southern California Soils
Protection Agency, Contract No. 89-T0081 by University of California, Riverside, C

TABLE IV
SUMMARY OF ANALYTICAL DATA - POLYCHLORINATED BIPHENYLS
SDG&E PALA SUBSTATION
PALA, CALIFORNIA

LOCATION DESIGNATION **SAMPLE DESIGNATION** **DEPTH (FEET)** **SAMPLING DATE**	DP01 DP01-SS-020 2 05/24/07	DP02 DP02-SS-020 2 05/24/07	DP03 DP03-SS-020 2 05/24/07	DP04 DP04-SS-020 2 05/24/07	DP05 DP05-SS-020 2 05/24/07
PCB					
Aroclor 1016	<50	<50	<50	<50	<50
Aroclor 1221	<50	<50	<50	<50	<50
Aroclor 1232	<50	<50	<50	<50	<50
Aroclor 1242	<50	<50	<50	<50	<50
Aroclor 1248	<50	<50	<50	<50	<50
Aroclor 1254	<50	<50	<50	<50	<50
Aroclor 1260	<50	<50	<50	<50	<50
Aroclor 1262	<50	<50	<50	<50	<50

CONCENTRATIONS IN MICROGRAMS PER KILOGRAM (UG/KG)

TABLE V
SUMMARY OF ANALYTICAL DATA - PESTICIDES
SDG&E PALA SUBSTATION
PALA, CALIFORNIA

LOCATION DESIGNATION SAMPLE DESIGNATION DEPTH (FEET) SAMPLING DATE	DP01 DP01-SS-010 1 05/24/07	DP02 DP02-SS-010 1 05/24/07	DP03 DP03-SS-010 1 05/24/07	DP04 DP04-SS-010 1 05/24/07	DP05 DP05-SS-010 1 05/24/07
1,1,1-TRICHLORO-2,2-BIS (P-METHOXPHENYL)-ETHAN	<5	<5	<5	<5	<5
4,4-DDD	<5	<5	<5	<5	<5
4,4-DDE	<5	<5	<5	<5	<5
4,4-DDT	<5	<5	<5	<5	<5
A-BENZENE HEXOCHLORIDE	<5	<5	<5	<5	<5
ALDRIN	<5	<5	<5	<5	<5
B-BENZENE HEXOCHLORIDE	<5	<5	<5	<5	<5
CAMPHECHLOR	<5	<5	<5	<5	<5
CHLORDANE	<100	<100	<100	<100	<100
DELTA-BHC	<50	<50	<50	<50	<50
DIELDRIN	<5	<5	<5	<5	<5
ENDOSULFAN I	<5	<5	<5	<5	<5
ENDOSULFAN II	<5	<5	<5	<5	<5
ENDOSULFAN SULFATE	<5	<5	<5	<5	<5
ENDRIN	<5	<5	<5	<5	<5
ENDRIN ALDEHYDE	<5	<5	<5	<5	<5
ENDRIN KETONE	<5	<5	<5	<5	<5
GAMMA-BHC	<5	<5	<5	<5	<5
HEPTACHLOR	<5	<5	<5	<5	<5
HEPTACHLOR EPOXIDE	<5	<5	<5	<5	<5

CONCENTRATIONS IN MICROGRAMS PER KILOGRAM (UG/KG)

TABLE VI
SUMMARY OF ANALYTICAL DATA - HERBICIDES
SDG&E PALA SUBSTATION
PALA, CALIFORNIA

LOCATION DESIGNATION **SAMPLE DESIGNATION** **DEPTH (FEET)** **SAMPLING DATE**	DP01 DP01-SS-010 1 05/24/07	DP02 DP02-SS-010 1 05/24/07	DP03 DP03-SS-010 1 05/24/07	DP04 DP04-SS-010 1 05/24/07	DP05 DP05-SS-010 1 05/24/07
2,2-DICHLOR0PROPIONIC ACID	<250	<250	<250	<250	<250
2,4,5-T	<10	<10	<10	<10	<10
2,4,5-TP (Silvex)	<10	<10	<10	<10	<10
2,4-D	<100	<100	<100	<100	<100
2,4-DB	<100	<100	<100	<100	<100
DICAMBA	<10	<10	<10	<10	<10
DICHLORPROP	<100	<100	<100	<100	<100
DINITROBUTYL PHENOL	<50	<50	<50	<50	<50
MCPA (2-METHYL-4-CHLOROPHENOXYACETIC	<10000	<10000	<10000	<10000	<10000
MCPP	<10000	<10000	<10000	<10000	<10000

CONCENTRATIONS IN MICROGRAMS PER KILOGRAM (UG/KG)

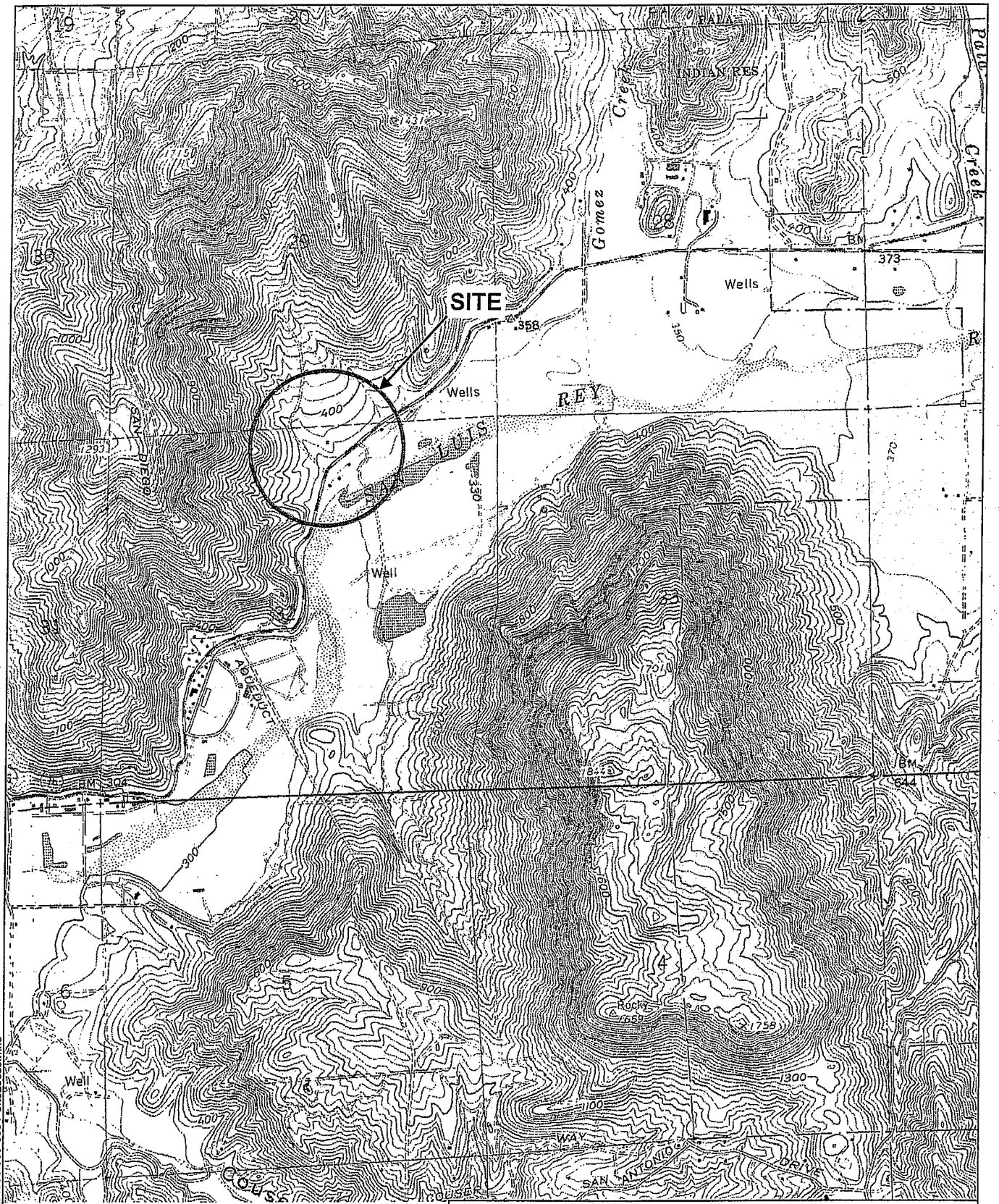
TABLE VII
SUMMARY OF ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
SDG&E PALA SUBSTATION
PALA, CALIFORNIA

LOCATION DESIGNATION	DP01	DP02	DP03	DP04	DP05
SAMPLE DESIGNATION	DP01-SS-010	DP02-SS-010	DP03-SS-010	DP04-SS-010	DP05-SS-010
DEPTH (FEET)	1	1	1	1	1
SAMPLING DATE	05/24/07	05/24/07	05/24/07	05/24/07	05/24/07
VOLATILE ORGANIC COMPOUNDS					
1,1,1,2-TETRACHLORROETHANE	<5	<5	<5	<5	<5
1,1,1-TRICHLOROETHANE	<5	<5	<5	<5	<5
1,1,2,2-TETRACHLOROETHANE	<5	<5	<5	<5	<5
1,1,2-TRICHLOROETHANE	<5	<5	<5	<5	<5
1,1-DICHLOROETHANE	<5	<5	<5	<5	<5
1,1-DICHLOROETHYLENE	<5	<5	<5	<5	<5
1,1-DICHLOROPROPENE	<5	<5	<5	<5	<5
1,2,3-TRICHLOROBENZENE	<10	<10	<10	<10	<10
1,2,3-TRICHLOROPROPANE	<5	<5	<5	<5	<5
1,2,4-TRICHLOROBENZENE	<5	<5	<5	<5	<5
1,2,4-TRIMETHYLBENZENE	<5	<5	<5	<5	<5
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<10	<10	<10	<10	<10
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE	<5	<5	<5	<5	<5
1,2-DICHLOROBENZENE	<5	<5	<5	<5	<5
1,2-DICHLOROETHANE	<5	<5	<5	<5	<5
1,2-DICHLOROPROPANE	<5	<5	<5	<5	<5
1,3,5-TRIMETHYLBENZENE	<5	<5	<5	<5	<5
1,3-DICHLOROPROPANE	<5	<5	<5	<5	<5
1,4-DICHLOROBENZENE	<5	<5	<5	<5	<5
2,2-DICHLOROPROPANE	<5	<5	<5	<5	<5
2-BUTANONE	<50	<50	<50	<50	<50
2-CHLOROTOLUENE	<5	<5	<5	<5	<5
2-PHENYLBUTANE	<5	<5	<5	<5	<5
4-CHLOROTOLUENE	<5	<5	<5	<5	<5
4-METHYL-2-PENTANONE	<50	<50	<50	<50	<50
ACETONE	<120	<120	<120	<120	<120
BENZENE	<5	<5	<5	<5	<5
BROMOBENZENE	<5	<5	<5	<5	<5
BROMODICHLOROMETHANE	<5	<5	<5	<5	<5
BROMOMETHANE	<25	<25	<25	<25	<25
CARBON DISULFIDE	<50	<50	<50	<50	<50
CARBON TETRACHLORIDE	<5	<5	<5	<5	<5
CFC-11	<50	<50	<50	<50	<50
CFC-12	<5	<5	<5	<5	<5
CHLORINATED FLUOROCARBON (FREON 113	<50	<50	<50	<50	<50

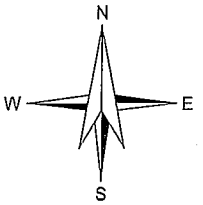
TABLE VII
SUMMARY OF ANALYTICAL DATA - VOLATILE ORGANIC COMPOUNDS
SDG&E PALA SUBSTATION
PALA, CALIFORNIA

LOCATION DESIGNATION	DP01	DP02	DP03	DP04	DP05
SAMPLE DESIGNATION	DP01-SS-010	DP02-SS-010	DP03-SS-010	DP04-SS-010	DP05-SS-010
DEPTH (FEET)	1	1	1	1	1
SAMPLING DATE	05/24/07	05/24/07	05/24/07	05/24/07	05/24/07
CHLOROBENZENE	<5	<5	<5	<5	<5
CHLOROBROMOMETHANE	<5	<5	<5	<5	<5
CHLORODIBROMOMETHANE	<5	<5	<5	<5	<5
CHLOROETHANE	<5	<5	<5	<5	<5
CHLOROFORM	<5	<5	<5	<5	<5
CHLOROMETHANE	<5	<5	<5	<5	<5
CIS-1,2-DICHLOROETHENE	<25	<25	<25	<25	<25
CIS-1,3-DICHLOROPROPENE	<5	<5	<5	<5	<5
CYMENE	<5	<5	<5	<5	<5
DIBROMOMETHANE	<5	<5	<5	<5	<5
DICHLOROMETHANE	<5	<5	<5	<5	<5
ETHYLBENZENE	<50	<50	<50	<50	<50
ISOPROPYLBENZENE	<5	<5	<5	<5	<5
M-DICHLOROBENZENE	<5	<5	<5	<5	<5
METHYL N-BUTYL KETONE	<5	<5	<5	<5	<5
METHYLBENZENE	<50	<50	<50	<50	<50
METHYL-T-BUTYL ETHER (MTBE)	<5	<5	<5	<5	<5
NAPHTHALENE	<5	<5	<5	<5	<5
N-BUTYLBENZENE	<50	<50	<50	<50	<50
N-PROPYLBENZENE	<5	<5	<5	<5	<5
O-XYLENE	<5	<5	<5	<5	<5
P/M-XYLENES	<5	<5	<5	<5	<5
STYRENE (MONOMER)	<5	<5	<5	<5	<5
TERT-BUTYLBENZENE	<5	<5	<5	<5	<5
TETRACHLOROETHENE	<5	<5	<5	<5	<5
TRANS-1,2-DICHLOROETHENE	<5	<5	<5	<5	<5
TRANS-1,3-DICHLOROPROPENE	<5	<5	<5	<5	<5
TRIBOMOMETHANE	<5	<5	<5	<5	<5
TRICHLOROETHYLENE	<5	<5	<5	<5	<5
VINYL ACETATE	<5	<5	<5	<5	<5
VINYL CHLORIDE	<50	<50	<50	<50	<50
	<5	<5	<5	<5	<5

CONCENTRATIONS IN MICROGRAMS PER KILOGRAM (UG/KG)



SITE COORDINATES: 33°21'26.60"N 117° 6'41.0"W



U.S.G.S. QUADRANGLE: PALA, PECHANGA AND BONSALL CA

HALEY & ALDRICH

PALA SUBSTATION
PALA ROAD
PALA, CALIFORNIA

SITE LOCUS

SCALE: 1:24,000
MAY 2007

FIGURE 1

G:\34503_Pala\Global\GIS\MapProjects\34503-000-0001-SiteLocus.mxd

NOTES:

1-ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2-SOURCE OF AERIAL IMAGES ARE GOOGLE EARTH.
3-IMAGES HAVE BEEN GEOREFERENCED BASED ON USGS AERIAL PHOTOS IN UTM ZONE 15 N (RMS ERROR < 1 FOOT).

N
W E
S

0 200 400
SCALE IN FEET

HALEY & ALDRICH

PALA SUBSTATION
PALA ROAD
PALA, CALIFORNIA

SITE PLAN

SCALE: AS SHOWN
MAY 2007

FIGURE 2

G:\34503_Pala\Global\GIS\MapProjects\34503-0002-0002-SitePlan-Phase II.mxd

APPENDIX A

APPROVED BORING PERMIT

PERMIT #LMON104810
A.P.N. #110-072-06; 110-150-02; ; 110-072-26; 110-370-01
EST #NONE

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION
MONITORING WELL PROGRAM

GEOTECHNICAL BORING CONSTRUCTION PERMIT

SITE NAME: SDG&E PALA SUBSTATION

SITE ADDRESS: 10330 PALA RD., PALA CA 92059

PERMIT FOR: **2 SOIL BORINGS**

PERMIT APPROVAL DATE: MAY 15, 2007

PERMIT EXPIRES ON: SEPTEMBER 12, 2007

RESPONSIBLE PARTY: SAN DIEGO GAS & ELECTRIC

PERMIT CONDITIONS:

1. All borings must be sealed from the bottom of the boring to the ground surface with an approved sealing material as specified in California Well Standards Bulletin 74-90, Part III, Section 19.D. **Drill cuttings are not an acceptable fill material.**

2. Placement of any sealing material at a depth greater than 30 feet must be done using the tremie method.

3. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, E- 4. (**http://www.sdcounty.ca.gov/deh/lwq/sam/manual_guidelines.html**). In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

4. **This work is not connected to any known unauthorized release of hazardous substances. Any contamination found in the course of drilling and sampling must be reported to DEH.** Within 60 days of completing work, submit a well/boring construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

5. This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at 619) 338-2339.

APPROVED BY _____ Date: 5.15.2007
AMELIA CESEÑA

NOTIFIED: _____

DEH:SAM-9075

APPENDIX B

LABORATORY ANALYTICAL REPORTS

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

May 31, 2007

Additional requested analyses have been added to the original report.

Barbara Montgomery
San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Subject: **Calscience Work Order No.: 07-05-1777**
Client Reference: SDG&E / Pala Substation

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/24/2007 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Ranjit K. K. Clarke

Calscience Environmental
Laboratories, Inc.
Ranjit Clarke
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric		Date Received:	05/24/07
6555 Nancy Ridge Road, Suite 300		Work Order No:	07-05-1777
San Diego, CA 92121-3221		Preparation:	EPA 3050B
		Method:	EPA 6010B

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP01-SS-010	**07-05-1777-1**	**05/24/07**	**Solid**	**ICP 5300**	**05/24/07**	**05/24/07**	**070524L10**

Parameter	Result	RL	DF	Qual	Units
Arsenic	1.30	0.750	1		mg/kg

DP02-SS-010	**07-05-1777-4**	**05/24/07**	**Solid**	**ICP 5300**	**05/24/07**	**05/24/07**	**070524L10**

Parameter	Result	RL	DF	Qual	Units
Arsenic	1.70	0.750	1		mg/kg

DP03-SS-010	**07-05-1777-7**	**05/24/07**	**Solid**	**ICP 5300**	**05/24/07**	**05/24/07**	**070524L10**

Parameter	Result	RL	DF	Qual	Units
Arsenic	0.775	0.750	1		mg/kg

DP04-SS-010	**07-05-1777-10**	**05/24/07**	**Solid**	**ICP 5300**	**05/24/07**	**05/24/07**	**070524L10**

Parameter	Result	RL	DF	Qual	Units
Arsenic	1.77	0.750	1		mg/kg

DP05-SS-010	**07-05-1777-13**	**05/24/07**	**Solid**	**ICP 5300**	**05/24/07**	**05/24/07**	**070524L10**

Parameter	Result	RL	DF	Qual	Units
Arsenic	1.54	0.750	1		mg/kg

Method Blank	**097-01-002-9,293**	**N/A**	**Solid**	**ICP 5300**	**05/24/07**	**05/24/07**	**070524L10**

Parameter	Result	RL	DF	Qual	Units
Arsenic	ND	0.750	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: 05/24/07
Work Order No: 07-05-1777
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP01-SS-010	**07-05-1777-1**	**05/24/07**	**Solid**	**ICP 5300**	**05/30/07**	**05/30/07**	**070530L02**

Comment(s): -Mercury was analyzed on 5/30/2007 2:26:21 PM with batch 070530L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	1.54	0.750	1		Molybdenum	ND	0.250	1	
Barium	59.7	0.500	1		Nickel	4.09	0.250	1	
Beryllium	ND	0.250	1		Selenium	1.37	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	8.55	0.250	1		Thallium	ND	0.750	1	
Cobalt	4.98	0.250	1		Vanadium	35.9	0.250	1	
Copper	9.06	0.500	1		Zinc	24.1	1.00	1	
Lead	2.43	0.500	1						

DP01-SS-020	**07-05-1777-2**	**05/24/07**	**Solid**	**ICP 5300**	**05/30/07**	**05/30/07**	**070530L02**

Comment(s): -Mercury was analyzed on 5/30/2007 2:28:35 PM with batch 070530L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	1.81	0.750	1		Molybdenum	ND	0.250	1	
Barium	59.6	0.500	1		Nickel	4.11	0.250	1	
Beryllium	ND	0.250	1		Selenium	2.08	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	9.72	0.250	1		Thallium	ND	0.750	1	
Cobalt	5.47	0.250	1		Vanadium	39.1	0.250	1	
Copper	9.88	0.500	1		Zinc	29.1	1.00	1	
Lead	2.28	0.500	1						

DP02-SS-010	**07-05-1777-4**	**05/24/07**	**Solid**	**ICP 5300**	**05/30/07**	**05/30/07**	**070530L02**

Comment(s): -Mercury was analyzed on 5/30/2007 2:30:49 PM with batch 070530L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	1.28	0.750	1		Molybdenum	ND	0.250	1	
Barium	87.0	0.500	1		Nickel	8.30	0.250	1	
Beryllium	0.259	0.250	1		Selenium	1.30	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	18.6	0.250	1		Thallium	ND	0.750	1	
Cobalt	9.21	0.250	1		Vanadium	50.8	0.250	1	
Copper	19.7	0.500	1		Zinc	46.3	1.00	1	
Lead	3.35	0.500	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: 05/24/07
Work Order No: 07-05-1777
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP03-SS-010	**07-05-1777-7**	**05/24/07**	**Solid**	**ICP 5300**	**05/30/07**	**05/30/07**	**070530L02**

Comment(s): -Mercury was analyzed on 5/30/2007 2:33:04 PM with batch 070530L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	0.905	0.750	1		Molybdenum	ND	0.250	1	
Barium	63.0	0.500	1		Nickel	10.8	0.250	1	
Beryllium	ND	0.250	1		Selenium	1.01	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	18.5	0.250	1		Thallium	1.08	0.750	1	
Cobalt	7.98	0.250	1		Vanadium	38.2	0.250	1	
Copper	18.2	0.500	1		Zinc	34.0	1.00	1	
Lead	2.25	0.500	1						

DP03-SS-020	**07-05-1777-8**	**05/24/07**	**Solid**	**ICP 5300**	**05/30/07**	**05/30/07**	**070530L02**

Comment(s): -Mercury was analyzed on 5/30/2007 2:35:19 PM with batch 070530L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	0.860	0.750	1		Molybdenum	ND	0.250	1	
Barium	32.0	0.500	1		Nickel	6.05	0.250	1	
Beryllium	ND	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	10.8	0.250	1		Thallium	1.31	0.750	1	
Cobalt	4.32	0.250	1		Vanadium	30.3	0.250	1	
Copper	12.5	0.500	1		Zinc	25.4	1.00	1	
Lead	2.15	0.500	1						

DP04-SS-010	**07-05-1777-10**	**05/24/07**	**Solid**	**ICP 5300**	**05/30/07**	**05/30/07**	**070530L02**

Comment(s): -Mercury was analyzed on 5/30/2007 2:37:35 PM with batch 070530L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	1.90	0.750	1		Molybdenum	ND	0.250	1	
Barium	66.1	0.500	1		Nickel	11.0	0.250	1	
Beryllium	ND	0.250	1		Selenium	2.14	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	17.8	0.250	1		Thallium	1.09	0.750	1	
Cobalt	9.26	0.250	1		Vanadium	33.8	0.250	1	
Copper	22.7	0.500	1		Zinc	29.5	1.00	1	
Lead	3.13	0.500	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: 05/24/07
Work Order No: 07-05-1777
Preparation: EPA 3050B / EPA 7471A Total
Method: EPA 6010B / EPA 7471A
Units: mg/kg

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP04-SS-040	**07-05-1777-12**	**05/24/07**	**Solid**	**ICP 5300**	**05/30/07**	**05/30/07**	**070530L02**

Comment(s): -Mercury was analyzed on 5/30/2007 2:39:51 PM with batch 070530L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	1.22	0.750	1		Molybdenum	ND	0.250	1	
Barium	53.6	0.500	1		Nickel	17.8	0.250	1	
Beryllium	ND	0.250	1		Selenium	3.79	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	34.9	0.250	1		Thallium	ND	0.750	1	
Cobalt	23.1	0.250	1		Vanadium	63.3	0.250	1	
Copper	19.1	0.500	1		Zinc	24.9	1.00	1	
Lead	4.45	0.500	1						

DP05-SS-010	**07-05-1777-13**	**05/24/07**	**Solid**	**ICP 5300**	**05/30/07**	**05/30/07**	**070530L02**

Comment(s): -Mercury was analyzed on 5/30/2007 2:48:38 PM with batch 070530L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Mercury	ND	0.0835	1	
Arsenic	1.36	0.750	1		Molybdenum	ND	0.250	1	
Barium	95.8	0.500	1		Nickel	10.4	0.250	1	
Beryllium	ND	0.250	1		Selenium	2.06	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	8.48	0.250	1		Thallium	1.99	0.750	1	
Cobalt	7.27	0.250	1		Vanadium	16.4	0.250	1	
Copper	9.94	0.500	1		Zinc	8.87	1.00	1	
Lead	2.39	0.500	1						

Method Blank	**099-04-007-4,660**	**N/A**	**Solid**	**Mercury**	**05/30/07**	**05/30/07**	**070530L01**

Parameter	Result	RL	DF	Qual
Mercury	ND	0.0835	1	

Method Blank	**097-01-002-9,304**	**N/A**	**Solid**	**ICP 5300**	**05/30/07**	**05/30/07**	**070530L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.750	1		Lead	ND	0.500	1	
Arsenic	ND	0.750	1		Molybdenum	ND	0.250	1	
Barium	ND	0.500	1		Nickel	ND	0.250	1	
Beryllium	ND	0.250	1		Selenium	ND	0.750	1	
Cadmium	ND	0.500	1		Silver	ND	0.250	1	
Chromium	ND	0.250	1		Thallium	ND	0.750	1	
Cobalt	ND	0.250	1		Vanadium	ND	0.250	1	
Copper	ND	0.500	1		Zinc	ND	1.00	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric		Date Received:	05/24/07
6555 Nancy Ridge Road, Suite 300		Work Order No:	07-05-1777
San Diego, CA 92121-3221		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP01-SS-010	**07-05-1777-1**	**05/24/07**	**Solid**	**GC 23**	**05/24/07**	**05/25/07**	**070524B06**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	95	61-145	

DP01-SS-020	**07-05-1777-2**	**05/24/07**	**Solid**	**GC 23**	**05/24/07**	**05/25/07**	**070524B06**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	105	61-145	

DP02-SS-010	**07-05-1777-4**	**05/24/07**	**Solid**	**GC 23**	**05/24/07**	**05/25/07**	**070524B06**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	61-145	

DP02-SS-020	**07-05-1777-5**	**05/24/07**	**Solid**	**GC 23**	**05/24/07**	**05/25/07**	**070524B06**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	107	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric		Date Received:	05/24/07
6555 Nancy Ridge Road, Suite 300		Work Order No:	07-05-1777
San Diego, CA 92121-3221		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP03-SS-010	**07-05-1777-7**	**05/24/07**	**Solid**	**GC 23**	**05/24/07**	**05/25/07**	**070524B06**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	61-145	

DP03-SS-020	**07-05-1777-8**	**05/24/07**	**Solid**	**GC 23**	**05/24/07**	**05/25/07**	**070524B06**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	61-145	

DP04-SS-010	**07-05-1777-10**	**05/24/07**	**Solid**	**GC 23**	**05/24/07**	**05/25/07**	**070524B06**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	95	61-145	

DP04-SS-020	**07-05-1777-11**	**05/24/07**	**Solid**	**GC 23**	**05/24/07**	**05/25/07**	**070524B06**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	105	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric		Date Received:	05/24/07
6555 Nancy Ridge Road, Suite 300		Work Order No:	07-05-1777
San Diego, CA 92121-3221		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP05-SS-010	**07-05-1777-13**	**05/24/07**	**Solid**	**GC 23**	**05/24/07**	**05/25/07**	**070524B06**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	61-145	

DP05-SS-020	**07-05-1777-14**	**05/24/07**	**Solid**	**GC 23**	**05/24/07**	**05/25/07**	**070524B06**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	61-145	

Method Blank	**099-12-275-729**	**N/A**	**Solid**	**GC 23**	**05/24/07**	**05/24/07**	**070524B06**

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	5.0	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	92	61-145	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric		Date Received:	05/24/07
6555 Nancy Ridge Road, Suite 300		Work Order No:	07-05-1777
San Diego, CA 92121-3221		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP01-SS-010	**07-05-1777-1**	**05/24/07**	**Solid**	**GC 24**	**05/24/07**	**05/24/07**	**070524B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	79	42-126	

DP01-SS-020	**07-05-1777-2**	**05/24/07**	**Solid**	**GC 24**	**05/24/07**	**05/24/07**	**070524B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	80	42-126	

DP02-SS-010	**07-05-1777-4**	**05/24/07**	**Solid**	**GC 24**	**05/24/07**	**05/24/07**	**070524B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	80	42-126	

DP02-SS-020	**07-05-1777-5**	**05/24/07**	**Solid**	**GC 24**	**05/24/07**	**05/24/07**	**070524B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	79	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: 05/24/07
Work Order No: 07-05-1777
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP03-SS-010	**07-05-1777-7**	**05/24/07**	**Solid**	**GC 24**	**05/24/07**	**05/24/07**	**070524B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	80	42-126	

DP03-SS-020	07-05-1777-8	05/24/07	Solid	GC 24	05/24/07	05/24/07	070524B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	78	42-126	

DP04-SS-010	07-05-1777-10	05/24/07	Solid	GC 24	05/24/07	05/24/07	070524B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	80	42-126	

DP04-SS-020	07-05-1777-11	05/24/07	Solid	GC 24	05/24/07	05/24/07	070524B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	79	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric		Date Received:	05/24/07
6555 Nancy Ridge Road, Suite 300		Work Order No:	07-05-1777
San Diego, CA 92121-3221		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP05-SS-010	**07-05-1777-13**	**05/24/07**	**Solid**	**GC 24**	**05/24/07**	**05/24/07**	**070524B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	79	42-126	

DP05-SS-020	**07-05-1777-14**	**05/24/07**	**Solid**	**GC 24**	**05/24/07**	**05/24/07**	**070524B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	80	42-126	

Method Blank	**099-12-279-735**	**N/A**	**Solid**	**GC 24**	**05/24/07**	**05/24/07**	**070524B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene - FID	78	42-126	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: 05/24/07
Work Order No: 07-05-1777
Preparation: EPA 8151A
Method: EPA 8151A
Units: ug/kg

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP01-SS-010	**07-05-1777-1**	**05/24/07**	**Solid**	**GC 0**	**05/24/07**	**05/25/07**	**070524L13**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	114	30-130	

DP02-SS-010	**07-05-1777-4**	**05/24/07**	**Solid**	**GC 0**	**05/24/07**	**05/25/07**	**070524L13**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	57	30-130	

DP03-SS-010	**07-05-1777-7**	**05/24/07**	**Solid**	**GC 0**	**05/24/07**	**05/25/07**	**070524L13**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	105	30-130	

DP04-SS-010	**07-05-1777-10**	**05/24/07**	**Solid**	**GC 0**	**05/24/07**	**05/25/07**	**070524L13**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	103	30-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric		Date Received:	05/24/07
6555 Nancy Ridge Road, Suite 300		Work Order No:	07-05-1777
San Diego, CA 92121-3221		Preparation:	EPA 8151A
		Method:	EPA 8151A
		Units:	ug/kg
Project: SDG&E / Pala Substation			Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP05-SS-010	**07-05-1777-13**	**05/24/07**	**Solid**	**GC 0**	**05/24/07**	**05/25/07**	**070524L13**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	118	30-130	

Method Blank	**095-01-033-644**	**N/A**	**Solid**	**GC 0**	**05/24/07**	**05/25/07**	**070524L13**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	250	1		2,4-D	ND	100	1	
Dicamba	ND	10	1		2,4,5-TP (Silvex)	ND	10	1	
MCPP	ND	10000	1		2,4,5-T	ND	10	1	
MCPA	ND	10000	1		2,4-DB	ND	100	1	
Dichlorprop	ND	100	1		Dinoseb	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual
2,4-Dichlorophenylacetic acid	103	30-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: 05/24/07
Work Order No: 07-05-1777
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP01-SS-010	**07-05-1777-1**	**05/24/07**	**Solid**	**GC 16**	**05/24/07**	**05/25/07**	**070524L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	5.0	1		Endrin	ND	5.0	1	
Gamma-BHC	ND	5.0	1		Endrin Aldehyde	ND	5.0	1	
Beta-BHC	ND	5.0	1		4,4'-DDD	ND	5.0	1	
Heptachlor	ND	5.0	1		Endosulfan II	ND	5.0	1	
Delta-BHC	ND	5.0	1		4,4'-DDT	ND	5.0	1	
Aldrin	ND	5.0	1		Endosulfan Sulfate	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1		Methoxychlor	ND	5.0	1	
Endosulfan I	ND	5.0	1		Chlordane	ND	50	1	
Dieldrin	ND	5.0	1		Toxaphene	ND	100	1	
4,4'-DDE	ND	5.0	1		Endrin Ketone	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	84	50-130		2,4,5,6-Tetrachloro-m-Xylene	89	50-130	

DP02-SS-010	**07-05-1777-4**	**05/24/07**	**Solid**	**GC 16**	**05/24/07**	**05/25/07**	**070524L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	5.0	1		Endrin	ND	5.0	1	
Gamma-BHC	ND	5.0	1		Endrin Aldehyde	ND	5.0	1	
Beta-BHC	ND	5.0	1		4,4'-DDD	ND	5.0	1	
Heptachlor	ND	5.0	1		Endosulfan II	ND	5.0	1	
Delta-BHC	ND	5.0	1		4,4'-DDT	ND	5.0	1	
Aldrin	ND	5.0	1		Endosulfan Sulfate	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1		Methoxychlor	ND	5.0	1	
Endosulfan I	ND	5.0	1		Chlordane	ND	50	1	
Dieldrin	ND	5.0	1		Toxaphene	ND	100	1	
4,4'-DDE	ND	5.0	1		Endrin Ketone	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	73	50-130		2,4,5,6-Tetrachloro-m-Xylene	76	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric		Date Received:	05/24/07
6555 Nancy Ridge Road, Suite 300		Work Order No:	07-05-1777
San Diego, CA 92121-3221		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP03-SS-010	**07-05-1777-7**	**05/24/07**	**Solid**	**GC 16**	**05/24/07**	**05/25/07**	**070524L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	5.0	1		Endrin	ND	5.0	1	
Gamma-BHC	ND	5.0	1		Endrin Aldehyde	ND	5.0	1	
Beta-BHC	ND	5.0	1		4,4'-DDD	ND	5.0	1	
Heptachlor	ND	5.0	1		Endosulfan II	ND	5.0	1	
Delta-BHC	ND	5.0	1		4,4'-DDT	ND	5.0	1	
Aldrin	ND	5.0	1		Endosulfan Sulfate	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1		Methoxychlor	ND	5.0	1	
Endosulfan I	ND	5.0	1		Chlordane	ND	50	1	
Dieldrin	ND	5.0	1		Toxaphene	ND	100	1	
4,4'-DDE	ND	5.0	1		Endrin Ketone	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	77	50-130		2,4,5,6-Tetrachloro-m-Xylene	82	50-130	

DP04-SS-010	**07-05-1777-10**	**05/24/07**	**Solid**	**GC 16**	**05/24/07**	**05/25/07**	**070524L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	5.0	1		Endrin	ND	5.0	1	
Gamma-BHC	ND	5.0	1		Endrin Aldehyde	ND	5.0	1	
Beta-BHC	ND	5.0	1		4,4'-DDD	ND	5.0	1	
Heptachlor	ND	5.0	1		Endosulfan II	ND	5.0	1	
Delta-BHC	ND	5.0	1		4,4'-DDT	ND	5.0	1	
Aldrin	ND	5.0	1		Endosulfan Sulfate	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1		Methoxychlor	ND	5.0	1	
Endosulfan I	ND	5.0	1		Chlordane	ND	50	1	
Dieldrin	ND	5.0	1		Toxaphene	ND	100	1	
4,4'-DDE	ND	5.0	1		Endrin Ketone	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	71	50-130		2,4,5,6-Tetrachloro-m-Xylene	82	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric		Date Received:	05/24/07
6555 Nancy Ridge Road, Suite 300		Work Order No:	07-05-1777
San Diego, CA 92121-3221		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg
Project: SDG&E / Pala Substation			Page 3 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP05-SS-010	**07-05-1777-13**	**05/24/07**	**Solid**	**GC 16**	**05/24/07**	**05/25/07**	**070524L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	5.0	1		Endrin	ND	5.0	1	
Gamma-BHC	ND	5.0	1		Endrin Aldehyde	ND	5.0	1	
Beta-BHC	ND	5.0	1		4,4'-DDD	ND	5.0	1	
Heptachlor	ND	5.0	1		Endosulfan II	ND	5.0	1	
Delta-BHC	ND	5.0	1		4,4'-DDT	ND	5.0	1	
Aldrin	ND	5.0	1		Endosulfan Sulfate	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1		Methoxychlor	ND	5.0	1	
Endosulfan I	ND	5.0	1		Chlordane	ND	50	1	
Dieldrin	ND	5.0	1		Toxaphene	ND	100	1	
4,4'-DDE	ND	5.0	1		Endrin Ketone	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	79	50-130		2,4,5,6-Tetrachloro-m-Xylene	82	50-130	

Method Blank	**099-12-537-50**	**N/A**	**Solid**	**GC 16**	**05/24/07**	**05/25/07**	**070524L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	5.0	1		Endrin	ND	5.0	1	
Gamma-BHC	ND	5.0	1		Endrin Aldehyde	ND	5.0	1	
Beta-BHC	ND	5.0	1		4,4'-DDD	ND	5.0	1	
Heptachlor	ND	5.0	1		Endosulfan II	ND	5.0	1	
Delta-BHC	ND	5.0	1		4,4'-DDT	ND	5.0	1	
Aldrin	ND	5.0	1		Endosulfan Sulfate	ND	5.0	1	
Heptachlor Epoxide	ND	5.0	1		Methoxychlor	ND	5.0	1	
Endosulfan I	ND	5.0	1		Chlordane	ND	50	1	
Dieldrin	ND	5.0	1		Toxaphene	ND	100	1	
4,4'-DDE	ND	5.0	1		Endrin Ketone	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	77	50-130		2,4,5,6-Tetrachloro-m-Xylene	85	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric		Date Received:	05/24/07
6555 Nancy Ridge Road, Suite 300		Work Order No:	07-05-1777
San Diego, CA 92121-3221		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP01-SS-020	**07-05-1777-2**	**05/24/07**	**Solid**	**GC 7**	**05/30/07**	**05/31/07**	**070530L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	50	1		Aroclor-1248	ND	50	1	
Aroclor-1221	ND	50	1		Aroclor-1254	ND	50	1	
Aroclor-1232	ND	50	1		Aroclor-1260	ND	50	1	
Aroclor-1242	ND	50	1		Aroclor-1262	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Decachlorobiphenyl	105	50-130			2,4,5,6-Tetrachloro-m-Xylene	101	50-130		

DP02-SS-020	**07-05-1777-5**	**05/24/07**	**Solid**	**GC 7**	**05/30/07**	**05/31/07**	**070530L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	50	1		Aroclor-1248	ND	50	1	
Aroclor-1221	ND	50	1		Aroclor-1254	ND	50	1	
Aroclor-1232	ND	50	1		Aroclor-1260	ND	50	1	
Aroclor-1242	ND	50	1		Aroclor-1262	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Decachlorobiphenyl	107	50-130			2,4,5,6-Tetrachloro-m-Xylene	100	50-130		

DP03-SS-020	**07-05-1777-8**	**05/24/07**	**Solid**	**GC 7**	**05/30/07**	**05/31/07**	**070530L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	50	1		Aroclor-1248	ND	50	1	
Aroclor-1221	ND	50	1		Aroclor-1254	ND	50	1	
Aroclor-1232	ND	50	1		Aroclor-1260	ND	50	1	
Aroclor-1242	ND	50	1		Aroclor-1262	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Decachlorobiphenyl	104	50-130			2,4,5,6-Tetrachloro-m-Xylene	96	50-130		

DP04-SS-020	**07-05-1777-11**	**05/24/07**	**Solid**	**GC 7**	**05/30/07**	**05/31/07**	**070530L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	50	1		Aroclor-1248	ND	50	1	
Aroclor-1221	ND	50	1		Aroclor-1254	ND	50	1	
Aroclor-1232	ND	50	1		Aroclor-1260	ND	50	1	
Aroclor-1242	ND	50	1		Aroclor-1262	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Decachlorobiphenyl	97	50-130			2,4,5,6-Tetrachloro-m-Xylene	91	50-130		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric		Date Received:	05/24/07
6555 Nancy Ridge Road, Suite 300		Work Order No:	07-05-1777
San Diego, CA 92121-3221		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP05-SS-020	**07-05-1777-14**	**05/24/07**	**Solid**	**GC 7**	**05/30/07**	**05/31/07**	**070530L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	50	1		Aroclor-1248	ND	50	1	
Aroclor-1221	ND	50	1		Aroclor-1254	ND	50	1	
Aroclor-1232	ND	50	1		Aroclor-1260	ND	50	1	
Aroclor-1242	ND	50	1		Aroclor-1262	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	50-130		2,4,5,6-Tetrachloro-m-Xylene	92	50-130	

Method Blank	**099-12-535-50**	**N/A**	**Solid**	**GC 7**	**05/30/07**	**05/31/07**	**070530L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	50	1		Aroclor-1248	ND	50	1	
Aroclor-1221	ND	50	1		Aroclor-1254	ND	50	1	
Aroclor-1232	ND	50	1		Aroclor-1260	ND	50	1	
Aroclor-1242	ND	50	1		Aroclor-1262	ND	50	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	103	50-130		2,4,5,6-Tetrachloro-m-Xylene	92	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric		Date Received:	05/24/07
6555 Nancy Ridge Road, Suite 300		Work Order No:	07-05-1777
San Diego, CA 92121-3221		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP01-SS-010	07-05-1777-1	05/24/07	Solid	GC/MS JJ	05/24/07	05/24/07	070524L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	118	73-139		1,2-Dichloroethane-d4	126	73-145	
Toluene-d8	96	90-108		1,4-Bromofluorobenzene	83	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric		Date Received:	05/24/07
6555 Nancy Ridge Road, Suite 300		Work Order No:	07-05-1777
San Diego, CA 92121-3221		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: SDG&E / Pala Substation			Page 2 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP02-SS-010	**07-05-1777-4**	**05/24/07**	**Solid**	**GC/MS JJ**	**05/24/07**	**05/24/07**	**070524L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	118	73-139		1,2-Dichloroethane-d4	130	73-145	
Toluene-d8	94	90-108		1,4-Bromofluorobenzene	79	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received:	05/24/07
Work Order No:	07-05-1777
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/kg

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP03-SS-010	07-05-1777-7	05/24/07	Solid	GC/MS JJ	05/24/07	05/24/07	070524L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	120	73-139		1,2-Dichloroethane-d4	128	73-145	
Toluene-d8	94	90-108		1,4-Bromofluorobenzene	82	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric		Date Received:	05/24/07
6555 Nancy Ridge Road, Suite 300		Work Order No:	07-05-1777
San Diego, CA 92121-3221		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: SDG&E / Pala Substation			Page 4 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP04-SS-010	07-05-1777-10	05/24/07	Solid	GC/MS JJ	05/24/07	05/24/07	070524L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	121	73-139		1,2-Dichloroethane-d4	129	73-145	
Toluene-d8	95	90-108		1,4-Bromofluorobenzene	80	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric		Date Received:	05/24/07
6555 Nancy Ridge Road, Suite 300		Work Order No:	07-05-1777
San Diego, CA 92121-3221		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/kg
Project: SDG&E / Pala Substation			Page 5 of 6

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
DP05-SS-010	07-05-1777-13	05/24/07	Solid	GC/MS JJ	05/24/07	05/24/07	070524L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	121	73-139		1,2-Dichloroethane-d4	128	73-145	
Toluene-d8	95	90-108		1,4-Bromofluorobenzene	80	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: 05/24/07
Work Order No: 07-05-1777
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: SDG&E / Pala Substation

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-005-14,153**	**N/A**	**Solid**	**GC/MS JJ**	**05/24/07**	**05/24/07**	**070524L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	120	1		1,3-Dichloropropane	ND	5.0	1	
Benzene	ND	5.0	1		2,2-Dichloropropane	ND	5.0	1	
Bromobenzene	ND	5.0	1		1,1-Dichloropropene	ND	5.0	1	
Bromochloromethane	ND	5.0	1		c-1,3-Dichloropropene	ND	5.0	1	
Bromodichloromethane	ND	5.0	1		t-1,3-Dichloropropene	ND	5.0	1	
Bromoform	ND	5.0	1		Ethylbenzene	ND	5.0	1	
Bromomethane	ND	25	1		2-Hexanone	ND	50	1	
2-Butanone	ND	50	1		Isopropylbenzene	ND	5.0	1	
n-Butylbenzene	ND	5.0	1		p-Isopropyltoluene	ND	5.0	1	
sec-Butylbenzene	ND	5.0	1		Methylene Chloride	ND	50	1	
tert-Butylbenzene	ND	5.0	1		4-Methyl-2-Pentanone	ND	50	1	
Carbon Disulfide	ND	50	1		Naphthalene	ND	50	1	
Carbon Tetrachloride	ND	5.0	1		n-Propylbenzene	ND	5.0	1	
Chlorobenzene	ND	5.0	1		Styrene	ND	5.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	5.0	1	
Chloroform	ND	5.0	1		1,1,2,2-Tetrachloroethane	ND	5.0	1	
Chloromethane	ND	25	1		Tetrachloroethene	ND	5.0	1	
2-Chlorotoluene	ND	5.0	1		Toluene	ND	5.0	1	
4-Chlorotoluene	ND	5.0	1		1,2,3-Trichlorobenzene	ND	10	1	
Dibromochloromethane	ND	5.0	1		1,2,4-Trichlorobenzene	ND	5.0	1	
1,2-Dibromo-3-Chloropropane	ND	10	1		1,1,1-Trichloroethane	ND	5.0	1	
1,2-Dibromoethane	ND	5.0	1		1,1,2-Trichloroethane	ND	5.0	1	
Dibromomethane	ND	5.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1	
1,2-Dichlorobenzene	ND	5.0	1		Trichloroethene	ND	5.0	1	
1,3-Dichlorobenzene	ND	5.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,4-Dichlorobenzene	ND	5.0	1		1,2,4-Trimethylbenzene	ND	5.0	1	
Dichlorodifluoromethane	ND	5.0	1		Trichlorofluoromethane	ND	50	1	
1,1-Dichloroethane	ND	5.0	1		1,3,5-Trimethylbenzene	ND	5.0	1	
1,2-Dichloroethane	ND	5.0	1		Vinyl Acetate	ND	50	1	
1,1-Dichloroethene	ND	5.0	1		Vinyl Chloride	ND	5.0	1	
c-1,2-Dichloroethene	ND	5.0	1		p/m-Xylene	ND	5.0	1	
t-1,2-Dichloroethene	ND	5.0	1		o-Xylene	ND	5.0	1	
1,2-Dichloropropane	ND	5.0	1		Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	114	73-139		1,2-Dichloroethane-d4	120	73-145	
Toluene-d8	96	90-108		1,4-Bromofluorobenzene	83	71-113	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: 05/24/07
Work Order No: 07-05-1777
Preparation: EPA 3050B
Method: EPA 6010B

Project: SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-05-1779-1	**Solid**	**ICP 5300**	**05/24/07**	**05/24/07**	**070524S10**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	106	102	75-125	4	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: 05/24/07
Work Order No: 07-05-1777
Preparation: EPA 3050B
Method: EPA 6010B

Project SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-05-1974-1	**Solid**	**ICP 5300**	**05/30/07**	**05/30/07**	**070530S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	42	46	50-115	8	0-20	3
Arsenic	90	94	75-125	3	0-20	
Barium	4X	4X	75-125	4X	0-20	Q
Beryllium	93	96	75-125	3	0-20	
Cadmium	91	92	75-125	1	0-20	
Chromium	91	95	75-125	3	0-20	
Cobalt	99	98	75-125	0	0-20	
Copper	100	102	75-125	1	0-20	
Lead	125	110	75-125	4	0-20	
Molybdenum	105	84	75-125	10	0-20	
Nickel	102	101	75-125	1	0-20	
Selenium	85	90	75-125	5	0-20	
Silver	92	93	75-125	1	0-20	
Thallium	50	71	75-125	35	0-20	3,4
Vanadium	93	95	75-125	1	0-20	
Zinc	4X	4X	75-125	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: 05/24/07
Work Order No: 07-05-1777
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
DP05-SS-020	**Solid**	**GC 23**	**05/24/07**	**05/25/07**	**070524S06**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	84	88	64-130	4	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: 05/24/07
Work Order No: 07-05-1777
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-05-1265-9	**Solid**	**GC 24**	**05/24/07**	**05/24/07**	**070524S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	94	96	48-114	2	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: 05/24/07
Work Order No: 07-05-1777
Preparation: EPA 7471A Total
Method: EPA 7471A

Project SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-05-1974-3	**Solid**	**Mercury**	**05/30/07**	**05/30/07**	**070530S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	88	84	84-138	4	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: 05/24/07
Work Order No: 07-05-1777
Preparation: EPA 8151A
Method: EPA 8151A

Project SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
DP04-SS-010	**Solid**	**GC 0**	**05/24/07**	**05/25/07**	**070524S13**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	96	93	30-130	3	0-30	
2,4,5-T	103	84	30-130	21	0-30	
2,4-DB	101	95	30-130	6	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: 05/24/07
Work Order No: 07-05-1777
Preparation: EPA 3545
Method: EPA 8081A

Project SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-05-1711-10	**Solid**	**GC 16**	**05/24/07**	**05/25/07**	**070524S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gamma-BHC	80	84	50-135	5	0-25	
Heptachlor	84	85	50-135	1	0-25	
Endosulfan I	85	93	50-135	8	0-25	
Dieldrin	89	93	50-135	4	0-25	
Endrin	96	99	50-135	3	0-25	
4,4'-DDT	93	98	50-135	5	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: 05/24/07
Work Order No: 07-05-1777
Preparation: EPA 3545
Method: EPA 8082

Project SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
DP01-SS-020	**Solid**	**GC 7**	**05/30/07**	**05/31/07**	**070530S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aroclor-1260	128	126	50-135	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: 05/24/07
Work Order No: 07-05-1777
Preparation: EPA 5030B
Method: EPA 8260B

Project SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-05-1534-7	**Solid**	**GC/MS JJ**	**05/24/07**	**05/24/07**	**070524S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	93	79-115	1	0-13	
Carbon Tetrachloride	103	98	55-139	5	0-15	
Chlorobenzene	89	85	79-115	4	0-17	
1,2-Dichlorobenzene	72	70	63-123	4	0-23	
1,1-Dichloroethene	94	92	69-123	2	0-16	
Toluene	94	90	79-115	4	0-15	
Trichloroethene	92	89	66-144	4	0-14	
Vinyl Chloride	92	89	60-126	4	0-14	
Methyl-t-Butyl Ether (MTBE)	96	96	68-128	0	0-14	
Tert-Butyl Alcohol (TBA)	71	71	44-134	1	0-37	
Diisopropyl Ether (DIPE)	89	88	75-123	2	0-12	
Ethyl-t-Butyl Ether (ETBE)	89	89	75-117	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	89	90	79-115	1	0-12	
Ethanol	87	89	42-138	3	0-28	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received:	N/A
Work Order No:	07-05-1777
Preparation:	EPA 3050B
Method:	EPA 6010B

Project: SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-9,293	Solid	ICP 5300	05/24/07	05/24/07	070524L10

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	95	95	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: N/A
Work Order No: 07-05-1777
Preparation: EPA 3050B
Method: EPA 6010B

Project: SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-002-9,304	Solid	ICP 5300	05/30/07	05/30/07	070530L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	94	103	80-120	9	0-20	
Arsenic	92	97	80-120	5	0-20	
Barium	97	104	80-120	7	0-20	
Beryllium	93	98	80-120	5	0-20	
Cadmium	97	103	80-120	6	0-20	
Chromium	97	104	80-120	7	0-20	
Cobalt	102	106	80-120	4	0-20	
Copper	92	97	80-120	5	0-20	
Lead	98	103	80-120	5	0-20	
Molybdenum	96	102	80-120	7	0-20	
Nickel	102	108	80-120	6	0-20	
Selenium	91	94	80-120	3	0-20	
Silver	93	100	80-120	7	0-20	
Thallium	92	97	80-120	6	0-20	
Vanadium	94	100	80-120	6	0-20	
Zinc	100	107	80-120	7	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: N/A
Work Order No: 07-05-1777
Preparation: EPA 3550B
Method: EPA 8015B (M)

Project: SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-275-729	Solid	GC 23	05/24/07	05/25/07	070524B06

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	92	96	75-123	4	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received:	N/A
Work Order No:	07-05-1777
Preparation:	EPA 5030B
Method:	EPA 8015B (M)

Project: SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-279-735	Solid	GC 24	05/24/07	05/24/07	070524B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	103	103	70-124	0	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received:	N/A
Work Order No:	07-05-1777
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project: SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-4,660	**Solid**	**Mercury**	**05/30/07**	**05/30/07**	**070530L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	100	99	87-117	0	0-3	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received: N/A
Work Order No: 07-05-1777
Preparation: EPA 8151A
Method: EPA 8151A

Project: SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-033-644	Solid	GC 0	05/24/07	05/25/07	070524L13

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	107	114	30-130	6	0-30	
2,4,5-T	118	126	30-130	6	0-30	
2,4-DB	120	127	30-130	6	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received:	N/A
Work Order No:	07-05-1777
Preparation:	EPA 3545
Method:	EPA 8081A

Project: SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-537-50	Solid	GC 16	05/24/07	05/25/07	070524L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gamma-BHC	87	84	50-135	4	0-25	
Heptachlor	75	76	50-135	1	0-25	
Endosulfan I	74	76	50-135	2	0-25	
Dieldrin	75	76	50-135	1	0-25	
Endrin	78	79	50-135	1	0-25	
4,4'-DDT	76	77	50-135	0	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

San Diego Gas & Electric		Date Received:	N/A
6555 Nancy Ridge Road, Suite 300		Work Order No:	07-05-1777
San Diego, CA 92121-3221		Preparation:	EPA 3545
		Method:	EPA 8082

Project: SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-535-50	Solid	GC 7	05/30/07	05/31/07	070530L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aroclor-1260	133	134	50-135	0	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

San Diego Gas & Electric
6555 Nancy Ridge Road, Suite 300
San Diego, CA 92121-3221

Date Received:	N/A
Work Order No:	07-05-1777
Preparation:	EPA 5030B
Method:	EPA 8260B

Project: SDG&E / Pala Substation

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-14,153	Solid	GC/MS JJ	05/24/07	05/24/07	070524L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	96	84-114	2	0-7	
Carbon Tetrachloride	101	104	66-132	3	0-12	
Chlorobenzene	96	97	87-111	1	0-7	
1,2-Dichlorobenzene	97	96	79-115	1	0-8	
1,1-Dichloroethene	90	92	73-121	1	0-12	
Toluene	97	99	78-114	2	0-7	
Trichloroethene	98	99	84-114	1	0-8	
Vinyl Chloride	84	85	63-129	2	0-15	
Methyl-t-Butyl Ether (MTBE)	98	101	77-125	2	0-11	
Tert-Butyl Alcohol (TBA)	70	67	47-137	4	0-27	
Diisopropyl Ether (DIPE)	90	92	76-130	2	0-8	
Ethyl-t-Butyl Ether (ETBE)	91	95	76-124	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	95	98	82-118	3	0-11	
Ethanol	78	75	59-131	3	0-21	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-05-1777

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 5/24/2007

Page 1 of 2

LABORATORY CLIENT: Haley & Aldrich (SDG&E)

ADDRESS: 9040 Friars Road # 220

CITY: San Diego STATE: CA ZIP: 92107

TEL: 619-280-9210 E-MAIL:

TURNAROUND TIME: ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: SDG&E Pala Substation

P.O. NO.:

PROJECT CONTACT: Nidal Samara.

LAB USE ONLY: 05-1777

SAMPLER(S): (PRINT) Nidal Samara

COELT LOG CODE

COOLER RECEIPT TEMP = °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G) 8015M	TPH (D) or	BTEX / MTBE (8260B) or	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	Pesticides 8081	Herbicides 8150	DBCP	arsenic Cold	
	DP01-SS-010	DP01	5/24/07	845	Soil	1	X													X	X	X	X	Run Hi TPH for VOCs PCBs, T-4
	020	DP01		850			X																	
	040	DP01		855				Hold																
	DP02-SS-010	DP02		930			X													X	X	X	X	same
	020	DP02		935			X																	
	040	DP03		940				Hold.																
	DP03-SS-010	DP03		1000			X													X	X	X	X	same
	020	DP03		1005			X																	
	040	DP03		1010				Hold																

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
	CEL	5/24/07	1330
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 5/24/07	Time: 1620
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/10/06 Revision

Q&Q Graphic 714-898-9702

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 5/24/07

Page 02 of 02

LABORATORY CLIENT: Haley & Aldrich.

ADDRESS: 9040 Friars Road #220

CITY: San Diego STATE: CA ZIP: 92108

TEL: 619-743-9000 E-MAIL:

TURNAROUND TIME: ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: PDA SDG&E Sub.

PROJECT CONTACT: Nidal Sunar.

SAMPLER(S): (PRINT) Nidal Sunar

COELT LOG CODE ☐☐☐☐

P.O. NO.:

LAB USE ONLY 05-1777

COOLER RECEIPT TEMP = °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (8015M)	TPH (D) or	BTEX / MTBE (8260B) or	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	Pesticides 8081	Herbicide 8150	DBCP	arsenic using 6010	
	DP04-SS-010		5/24	1025	Soil	1	X													X	X	X	X	Hi Run TPH, VOCs, PCBs, metals
	020			1027			X																	
	040			1030			Hold																	
	DP05-SS-010			1100			X													X	X	X	X	Hi Run TPH, VOCs, PCBs, Metals
	-020			1105			X																	
	-040			1115			Hold.																	

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
		5/24	1330
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 5/24/7	Time: 1620
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/10/06 Revision

Q&Q Graphic 714-898-8702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 0 5 - 1 7 7 7

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Haley + Aldrich DATE: 5/24/7

TEMPERATURE - SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- ____ Chilled, cooler with temperature blank provided.
- ____ Chilled, cooler without temperature blank.
- ✓ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ____ Ambient temperature.
- 3.7 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- ____ °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

Initial: [illegible]

CUSTODY SEAL INTACT:

Sample(s): ____ Cooler: ____ No (Not Intact) : ____ Not Present: ✓

Initial: [illegible]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: [illegible]

COMMENTS:

Ranjit Clarke

From: Samara, Nidal [NSamara@haleyaldrich.com]
Sent: Wednesday, May 30, 2007 9:39 AM
To: Ranjit Clarke
Subject: RE: Equis EDD: SDG&E / Pala Substation / CEL 07-05-1777 (05/24/07)

Ranjet,
Can you run the firsts sample from each boring (DP01-ss-010, DP02-ss-010, DP03-ss-010, Dp04-ss-010 and DP05-ss-010) for metals ASAP.

Nidal Samara
Staff Professional Engineer
Haley & Aldrich, Inc.
9040 Friars Road
Suite 220
San Diego, California 92108
Tel: 619.285.7134
Fax: 619.280.9415
NSamara@haleyaldrich.com
HaleyAldrich.com

-----Original Message-----
From: Ranjit Clarke [mailto:RClarke@calscience.com]
Sent: 29 May 2007 3:18 PM
To: Breitenbach, Beth; Samara, Nidal
Subject: Equis EDD: SDG&E / Pala Substation / CEL 07-05-1777 (05/24/07)

Attached is the Equis EDD for SDG&E / Pala Substation / CEL 07-05-1777 (05/24/07).

> Ranjit K. K. Clarke
> Project Manager
> Calscience Environmental
> Laboratories, Inc.
> 7440 Lincoln Way
> Garden Grove, CA 92841-1427
> Tel.: 714-895-5494 Ext. 129
> Fax : 714-894-7501
> rclarke@calscience.com
>
> > <<07051777.zip>>
>
> PRIVACY NOTICE:
> This email (and/or the documents attached to it) is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable Federal or State law. If the reader of this message is not the intended recipient or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this

Ranjit Clarke

From: Samara, Nidal [NSamara@haleyaldrich.com]
Sent: Wednesday, May 30, 2007 11:12 AM
To: Ranjit Clarke
Subject: RE: SDG&E Pala Substation / CEL 07-05-1777 (Preliminary) (05/24/07)

Ranjit,

Can you also run PCBs for the 2 foot samples DP01-ss-020, DP02-ss-020, DP03-ss-020, DP04-ss-020 and DP05-ss-020)

Nidal Samara
Staff Professional Engineer
Haley & Aldrich, Inc.
9040 Friars Road
Suite 220
San Diego, California 92108
Tel: 619.285.7134
Fax: 619.280.9415
NSamara@haleyaldrich.com
HaleyAldrich.com

-----Original Message-----
From: Ranjit Clarke [mailto:RClarke@calscience.com]
Sent: 30 May 2007 10:46 AM
To: Montgomery, Barbara; Samara, Nidal; Breitenbach, Beth
Subject: RE: SDG&E Pala Substation / CEL 07-05-1777 (Preliminary) (05/24/07)

No problem.

-----Original Message-----
From: Montgomery, Barbara [mailto:BMontgomery@semprautilities.com]
Sent: Wednesday, May 30, 2007 9:16 AM
To: Samara, Nidal; Breitenbach, Beth
Cc: Ranjit Clarke
Subject: RE: SDG&E Pala Substation / CEL 07-05-1777 (Preliminary) (05/24/07)

Can we have that ASAP by first thing tomorrow morning? Thank you.

-----Original Message-----
From: Samara, Nidal [mailto:NSamara@haleyaldrich.com]
Sent: Wednesday, May 30, 2007 9:08 AM
To: Montgomery, Barbara; Breitenbach, Beth
Cc: rclarke@calscience.com
Subject: RE: SDG&E Pala Substation / CEL 07-05-1777 (Preliminary) (05/24/07)

Ranjet,

APPENDIX F

2008 TRC PHASE II

21 Technology Drive
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

February 5, 2008

J-Power USA Development Company, Ltd.
1900 East Golf Road, Suite 1030
Schaumburg, Illinois 60173

ATTN: MR. STEVE THORNE

SITE: PALA SUBSTATION
10300 BLOCK OF PALA ROAD
PALA, CALIFORNIA

RE: SUPPLEMENTAL PHASE II SITE ASSESSMENT REPORT

INTRODUCTION

TRC conducted a supplemental Phase II site assessment investigation for the Pala Substation located at the 10300 block of Pala Road, Pala, California (herein after referred to as 'the Site'). The scope of work included the collection of soil samples at three locations at the Site and was based on the Soil and Groundwater Investigation Review letter dated July 18, 2007, prepared by TRC. A site vicinity map is presented in Figure 1.

OBJECTIVE

The objective of this investigation was to further examine subsurface soil conditions at the site prior to the lease of the property. Additional site assessment activities were to be conducted based on a review by TRC of an earlier site assessment performed in May 2007 (Haley & Aldrich, 2007) and TRC's April 2007 Phase I Environmental Site Assessment (ESA) Report.

SITE DESCRIPTION AND BACKGROUND

The subject property is approximately 54 acres in size and has been owned by San Diego Gas and Electric (SDG&E) since 1970. A portion of the property is currently being used by SDG&E as an electrical substation, and a smaller portion is being used as a residence for the site's caretaker. Approximately 40% of the land was used as a citrus grove in the past, but is no longer being maintained. There are two pole-mounted transformers located within the citrus grove portion of the Site.

TRC's Phase I ESA revealed no evidence of Recognized Environmental Conditions (RECs) in connection with the property, with the exception of the presence of the two pole-mounted transformers located onsite, and past potential herbicide/pesticide use in the citrus grove. Limited soil sampling of these areas was recommended. Limited soil sampling was also recommended in the residence/storage areas and storage sheds for the presence of petroleum and hydrocarbon-containing compounds.

At the request of SDG&E, and based on their own Phase I ESA, Haley & Aldrich conducted a subsurface soil and groundwater investigation at the Site on May 24, 2007. Five locations were chosen to evaluate soil and groundwater conditions at the Site.

Soil samples were collected at depths of 1, 2, and 4 feet below grade (fbg). Samples were submitted for laboratory analyses from the 1- and 2-foot depths, and the remaining samples were held at the laboratory for future analysis, if necessary. Groundwater was not encountered in the first boring drilled to 25 fbg, and therefore not sampled. Soil samples were tested for: total petroleum hydrocarbons as gasoline (TPH-G) and diesel (TPH-D); pesticides; 1, 2-dibromo-3-chloropropane (DBCP); chlorinated herbicides; metals; volatile organic compounds (VOCs); and polychlorinated biphenyls (PCBs).

The results of the soil sampling revealed:

- TPH was not detected above laboratory reporting limits;
- Metals (arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, selenium, vanadium, and zinc) were detected above laboratory reporting limits, but, with the exception of selenium, were determined to be within the range of naturally-occurring levels as published by the California Environmental Protection Agency (Cal-EPA). The maximum concentration of selenium (3.79 milligrams per kilogram [mg/kg]) was contained in Sample DP04-SS-04, which was collected from the uphill orchard portion of the Site;
- The maximum selenium concentration in Sample DP04-SS-04 is below the US EPA Region 9 Preliminary Remediation Goals (PRGs) for industrial re-use of 510 mg/kg;
- PCBs were not detected above laboratory reporting limits;
- Herbicides and pesticides were not detected above laboratory reporting limits; and
- VOCs, including DBCP, were not detected above laboratory reporting limits.

SUBSURFACE INVESTIGATION ACTIVITIES

Soil Sampling Activities

Based on the previous sampling data, TRC's Phase I ESA, and review of historical information, TRC believes that the Site has been adequately assessed for historical RECs, with two exceptions: 1) Two pole-mounted transformers ("western" and "eastern") were noted at the Site during TRC's April 6, 2007 site visit. During Haley & Aldrich's subsurface soil and groundwater investigation on May 24, 2007, soil samples were collected from the approximate location of the eastern transformer, but it is not clear if the samples were collected directly beneath the transformer. In addition, no samples were collected in the location of the western transformer; and 2) The Site's topographic low point (from within or near the creek bed) had not been sampled to assess the area in which surface contaminants could concentrate due to stormwater or irrigation runoff.

On November 28, 2007, soil samples were collected from beneath the western and eastern pole-mounted transformers (samples TRC-1 and TRC-2, respectively) and from the creek bed near Pala Road on the southeast corner of the property (TRC-3). Soil samples were collected from a depth of approximately six inches below grade using a stainless steel spade, placed in glass jars, sealed with Teflon tape and capped. Two additional soil samples were collected beneath the western and eastern turbines (TRC-4 and TRC-5) located adjacent to the pole-mounted transformers, but were not submitted for analysis. See Figure 2 for a site plan showing the sample locations.

Due to a larger than anticipated amount of sample volume required to perform all of the analyses requested for sample TRC-3, additional soil was collected from the same location in the creek bed on December 3, 2007 and submitted for laboratory analysis.

The soil samples were labeled with the project number, sample number, sampler's initials, and date and time of collection. After the soil sample was labeled and documented in the chain of custody record, it was placed in a cooler with ice at approximately 4 degrees Celsius prior to and during transport to a state-certified laboratory for analysis. Chain of custody protocol was followed for all soil samples collected for laboratory analysis. The chain of custody form accompanied the samples from the sampling locality to the laboratory, providing a continuous record of possession prior to analysis.

LABORATORY ANALYSIS

Three soil samples were submitted to a state certified laboratory (BC Laboratories in Bakersfield, California).

Soil samples TRC-1 and TRC-2 were analyzed for PCBs using EPA Method 8082.

Soil sample TRC-3 was analyzed for the following:

- PCBs using EPA Method 8082.
- Pesticides using EPA Method 8081.
- TPH-G and TPH-D using EPA Method 8015 modified.
- Chlorinated herbicides using EPA Method 8150.
- Title 22 metals (California Administrative Manual [CAM 17]) using EPA Method 6010/7471.
- VOCs including DBCP using EPA Method 8260B.

Refer to Attachment A for a copy of the Official Laboratory Reports and Chain of Custody Records.

FINDINGS AND CONCLUSIONS

Based on the results of field observations and laboratory analysis of soil samples, TRC makes the following findings and conclusions.

- PCBs were not detected in any of the three samples analyzed.

- TPH-D was detected in soil sample TRC-3 at a concentration of 7.7 mg/kg. While there is no US EPA soil PRG for diesel, a concentration is this range is regularly allowed to be left in place by the California Regional Water Quality Control Board.

- Benzene was detected in soil sample TRC-3 at a concentration of 0.0033J mg/kg. This concentration is below the US EPA residential soil PRG for benzene (0.64 mg/kg).

- TPH-G, pesticides, chlorinated herbicides, and VOCs (except benzene), were not detected above laboratory detection levels in sample TRC-3.

- The results of laboratory analysis of sample TRC-3 for metals indicate that soil concentrations are below the US EPA residential soil PRGs, except for arsenic. The arsenic concentration of 0.85 mg/kg exceeds the residential California modified PRG of 0.062 mg/kg. However, as discussed in the Users Guide and Background Technical Document for US EPA Region 9 PRG Table, California has a background range for arsenic of 0.59 to 11 mg/kg. Therefore, the arsenic concentration in sample TRC-3 falls within the California background range.

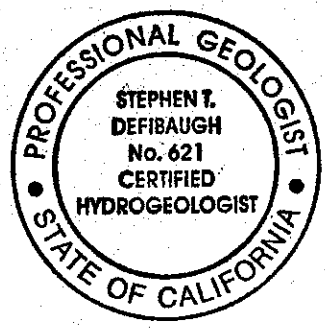
RECOMMENDATIONS

Based on the results of this investigation and earlier studies, TRC believes that the Site has been adequately assessed for historical RECs. No evidence of RECs in connection with the Site has been found. No further investigation is recommended at this time.

If you have any questions regarding this report, please call me at (949) 753-0101.

Sincerely,

TRC



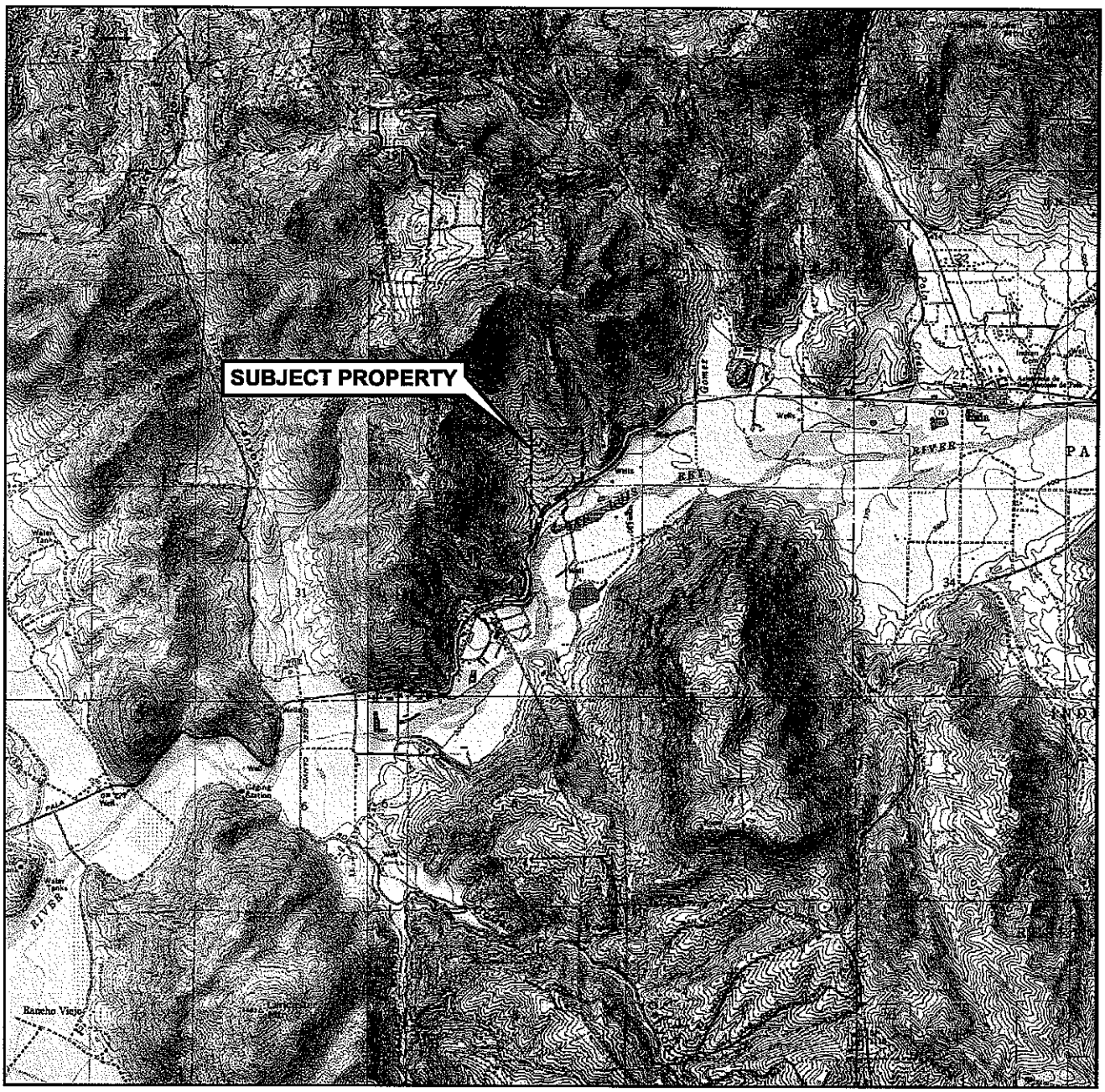
Stephen T. Defibaugh, P.G., C.HG.
Senior Geologist

Attachments: Figure 1 – Vicinity Map
Figure 2 – Site Plan Showing Soil Sample Locations

Attachment A – Official Laboratory Reports and Chain of Custody Records

N:\Projects\J Power Pala SPPE\Phase I and II\19 Phase II\Pala Letter Report for Soil Sampling.doc

FIGURES



N

0 1/2 1 1 1/2 2 MILES

SCALE 1:48,000

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map, 2000:
Pala, Bonsall, Temecula,
and Pechanga Quadrangles

TRC

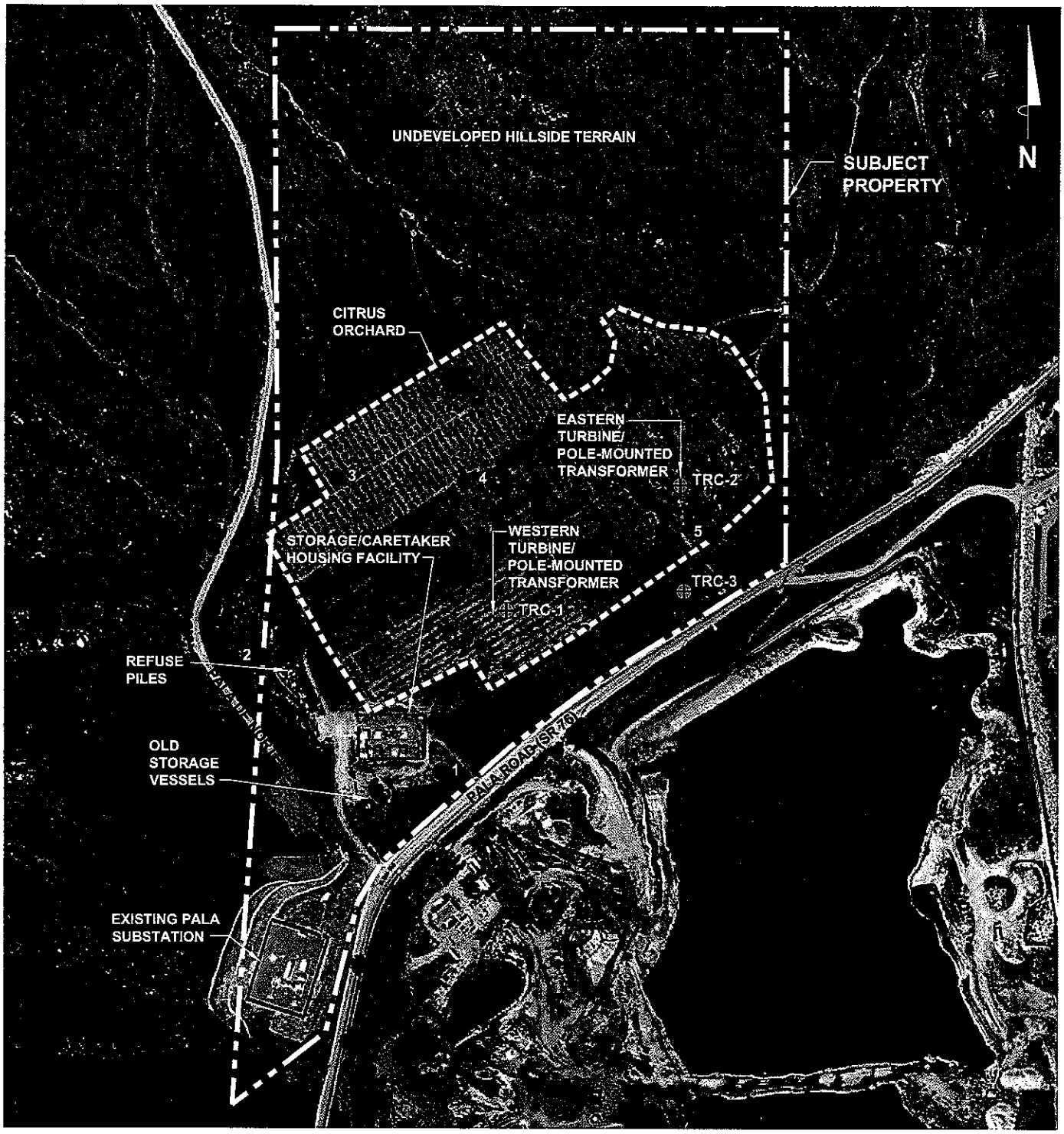
PROJECT: 125158

LOCATION:
PALA SUBSTATION
10300 BLOCK OF PALA ROAD
PALA, CALIFORNIA

VICINITY MAP

FIGURE 1

PS=1:1 L:□Graphics□ProjectsByNumber□29-xxxx□29-0319□PHASE 1 RPT□2903 19 VM.dwg Dec 27, 2007 - 2:40pm amartos



NOTE:

Soil Boring and Soil Sample Locations are Approximate.

SOURCE:

Google Earth Professional, 2005.

LEGEND

TRC-3 ⊕ Soil Sample (November 2007)

5 ● Soil Boring (May 2007)

APPROXIMATE SCALE (FEET)

0 300 600

TRC

PROJECT: 125158

FACILITY:

PALA SUBSTATION
10300 BLOCK OF PALA ROAD
PALA, CALIFORNIA

SITE PLAN SHOWING SOIL SAMPLE LOCATIONS

FIGURE 2

PS=1:1 L:□Graphics□ProjectsByNumber□29-xxxx□29-0319□PHASE 1 RPT□290319 SOIL SAMPLE LOCATIONS.dwg Feb 05, 2008 - 2:23pm amartos

ATTACHMENT A

OFFICIAL LABORATORY REPORT AND CHAIN OF CUSTODY RECORD

BC LABORATORIES, INC.

Date of Report: 12/19/2007

Steve Defibaugh

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

RE: Pala Substation
BC Work Order: 0714070

Enclosed are the results of analyses for samples received by the laboratory on 11/29/2007 20:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

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BC Laboratories, Inc.

Chain of Custody Form

PLEASE COMPLETE BCL QUOTE ID:

57555

Page 1 of 1

Report To:
Client: TRC
Attn: Stephen DeFibaugh
Street Address: 21 Technology Dr.
City, State, Zip: Irvine, CA 92618
Phone: (949) 727-7348 Fax: 727-7399
Email Address: sdefibaugh@trcsolutions.com
Submittal #: 07-14070

Project #: 125158 / TA04
Project Name: Pala Substation
Project Code:
Sampler(s): Warren Howe

Analysis Requested

Please refer to the back of this page for instructions and method legend.

Comments:

Sample #	Description	Date Sampled	Time Sampled	PCB's by EPA 8082	Pesticides by EPA 8081	TPH-G+D by EPA 8015M*	DBCP by EPA 8260B*	Chlor. Herbicides EPA 8150*	CAM 17 Metals*	VOC's by EPA 8260B*	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*	Notes
TRC-1	TRC-1 @ 0.5' -1	11/28/07	10:05	X							X						10	*only enough sample
TRC-2	TRC-2 @ 0.5' -2	11/28/07	10:15	X							X						10	rec'd for 8082 + 8081
TRC-3	TRC-3 @ 0.5' -3	11/28/07	10:22	X	X	X	X	X	X	X	X						10	analyses. Notified Steve (?)
4	TRC-4 @ 0.5' -4	11/28/07	10:29															Hold MM 11/30
5	TRC-5 @ 0.5' -5	11/28/07	10:38															Hold

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☐ No

* Standard Turnaround = 15 work days

CHK BY: MKM2 DISTRIBUTION: original with MR

Billing ☒ Same as above

Client:
Address:
City: State Zip
Attn:
PO#: TRV-805134

Report Drinking Waters on State Form? ☐ Yes ☐ No

Send Copy to State of CA? ☐ Yes ☒ No

Sample Disposal: ☐ Return to Client ☒ Disposal by lab ☐ Archive: Months

Special Reporting: ☐ QC ☐ WIP ☐ Raw Data

	Relinquished By	Date	Time	Received By	Date	Time
1.	Warren Howe	11/29/07	11:00	[illegible]	11/29/07	11:00 AM
2.	[illegible]	11/29/07	2:15 PM	[illegible]	11/29/07	14:15
3.	[illegible]	11/29/07	20:05	Teri Cordoba	11/29/07	20:05

BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No. 10 01/21/04 Page ___ Of ___

Submission #: 07-14070 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Ice Chest ID R10 Temperature: 4.8 °C Thermometer ID: #48
Emissivity 0.98 Container 8oz jar
Date/Time 11/29/07 Analyst Init OTO

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
2OZ. JAR	A	A	A	A	A					
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:_____

Sample Numbering Completed By: OTO Date/Time: 11/29/07 250

BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/19/2007 16:05

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information					
0714070-01	**COC Number:**	---	**Receive Date:**	11/29/2007 20:05	Delivery Work Order:	
	Project Number:	PALA SUBSTATION	**Sampling Date:**	11/28/2007 10:05	Global ID:	
	Sampling Location:	TRC-1	**Sample Depth:**	---	Matrix: SO	
	Sampling Point:	TRC-1@0.5	**Sample Matrix:**	Solids	Samle QC Type (SACode): CS	
	Sampled By:	TRCI			Cooler ID:	
0714070-02	**COC Number:**	---	**Receive Date:**	11/29/2007 20:05	Delivery Work Order:	
	Project Number:	PALA SUBSTATION	**Sampling Date:**	11/28/2007 10:15	Global ID:	
	Sampling Location:	TRC-2	**Sample Depth:**	---	Matrix: SO	
	Sampling Point:	TRC-2@0.5	**Sample Matrix:**	Solids	Samle QC Type (SACode): CS	
	Sampled By:	TRCI			Cooler ID:	
0714070-03	**COC Number:**	---	**Receive Date:**	11/29/2007 20:05	Delivery Work Order:	
	Project Number:	PALA SUBSTATION	**Sampling Date:**	11/28/2007 10:22	Global ID:	
	Sampling Location:	TRC-3	**Sample Depth:**	---	Matrix: SO	
	Sampling Point:	TRC-3@0.5	**Sample Matrix:**	Solids	Samle QC Type (SACode): CS	
	Sampled By:	TRCI			Cooler ID:	

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/19/2007 16:05

PCB Analysis (EPA Method 8082)

BCL Sample ID: 0714070-01 | **Client Sample Name:** PALA SUBSTATION, TRC-1, TRC-1@0.5, 11/28/2007 10:05:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8082	12/04/07	12/11/07 22:01	JRS	GC-6	0.987	BQL0567	ND	
PCB-1221	ND	mg/kg	0.010	0.0050	EPA-8082	12/04/07	12/11/07 22:01	JRS	GC-6	0.987	BQL0567	ND	
PCB-1232	ND	mg/kg	0.010	0.0012	EPA-8082	12/04/07	12/11/07 22:01	JRS	GC-6	0.987	BQL0567	ND	
PCB-1242	ND	mg/kg	0.010	0.0016	EPA-8082	12/04/07	12/11/07 22:01	JRS	GC-6	0.987	BQL0567	ND	
PCB-1248	ND	mg/kg	0.010	0.0012	EPA-8082	12/04/07	12/11/07 22:01	JRS	GC-6	0.987	BQL0567	ND	
PCB-1254	ND	mg/kg	0.010	0.00078	EPA-8082	12/04/07	12/11/07 22:01	JRS	GC-6	0.987	BQL0567	ND	
PCB-1260	ND	mg/kg	0.010	0.0022	EPA-8082	12/04/07	12/11/07 22:01	JRS	GC-6	0.987	BQL0567	ND	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	12/04/07	12/11/07 22:01	JRS	GC-6	0.987	BQL0567	ND	
Decachlorobiphenyl (Surrogate)	123	%	40 - 136 (LCL - UCL)		EPA-8082	12/04/07	12/11/07 22:01	JRS	GC-6	0.987	BQL0567		

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/19/2007 16:05

PCB Analysis (EPA Method 8082)

BCL Sample ID: 0714070-02 | **Client Sample Name:** PALA SUBSTATION, TRC-2, TRC-2@0.5, 11/28/2007 10:15:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8082	12/04/07	12/11/07 22:19	JRS	GC-6	0.993	BQL0567	ND	
PCB-1221	ND	mg/kg	0.010	0.0050	EPA-8082	12/04/07	12/11/07 22:19	JRS	GC-6	0.993	BQL0567	ND	
PCB-1232	ND	mg/kg	0.010	0.0012	EPA-8082	12/04/07	12/11/07 22:19	JRS	GC-6	0.993	BQL0567	ND	
PCB-1242	ND	mg/kg	0.010	0.0016	EPA-8082	12/04/07	12/11/07 22:19	JRS	GC-6	0.993	BQL0567	ND	
PCB-1248	ND	mg/kg	0.010	0.0012	EPA-8082	12/04/07	12/11/07 22:19	JRS	GC-6	0.993	BQL0567	ND	
PCB-1254	ND	mg/kg	0.010	0.00078	EPA-8082	12/04/07	12/11/07 22:19	JRS	GC-6	0.993	BQL0567	ND	
PCB-1260	ND	mg/kg	0.010	0.0022	EPA-8082	12/04/07	12/11/07 22:19	JRS	GC-6	0.993	BQL0567	ND	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	12/04/07	12/11/07 22:19	JRS	GC-6	0.993	BQL0567	ND	
Decachlorobiphenyl (Surrogate)	87.0	%	40 - 136 (LCL - UCL)		EPA-8082	12/04/07	12/11/07 22:19	JRS	GC-6	0.993	BQL0567		

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/19/2007 16:05

Organochlorine Pesticides (EPA Method 8081)

BCL Sample ID: 0714070-03 | **Client Sample Name:** PALA SUBSTATION, TRC-3, TRC-3@0.5, 11/28/2007 10:22:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Aldrin	ND	mg/kg	0.0025	0.0012	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
alpha-BHC	ND	mg/kg	0.0025	0.00024	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
beta-BHC	ND	mg/kg	0.0025	0.0012	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
delta-BHC	ND	mg/kg	0.0025	0.00038	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
gamma-BHC (Lindane)	ND	mg/kg	0.0025	0.00030	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
Chlordane (Technical)	ND	mg/kg	0.25	0.075	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
4,4'-DDD	ND	mg/kg	0.0025	0.00024	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
4,4'-DDE	ND	mg/kg	0.0025	0.00034	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
4,4'-DDT	ND	mg/kg	0.0025	0.00028	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
Dieldrin	ND	mg/kg	0.0025	0.00027	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
Endosulfan I	ND	mg/kg	0.0025	0.00040	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
Endosulfan II	ND	mg/kg	0.0025	0.00075	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
Endosulfan sulfate	ND	mg/kg	0.0025	0.00032	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
Endrin	ND	mg/kg	0.0025	0.00022	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
Endrin aldehyde	ND	mg/kg	0.0025	0.00022	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
Heptachlor	ND	mg/kg	0.0025	0.00095	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
Heptachlor epoxide	ND	mg/kg	0.0025	0.0012	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
Methoxychlor	ND	mg/kg	0.0025	0.00070	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
Toxaphene	ND	mg/kg	0.25	0.037	EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568	ND	A10
TCMX (Surrogate)	100	%	65 - 129 (LCL - UCL)		EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568		A10
Dibutyl chlorendate (Surrogate)	107	%	65 - 173 (LCL - UCL)		EPA-8081	12/04/07	12/12/07 18:36	JRS	GC-1	5	BQL0568		A10

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/19/2007 16:05

PCB Analysis (EPA Method 8082)

BCL Sample ID: 0714070-03 | **Client Sample Name:** PALA SUBSTATION, TRC-3, TRC-3@0.5, 11/28/2007 10:22:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
PCB-1016	ND	mg/kg	0.010	0.0027	EPA-8082	12/04/07	12/11/07 22:36	JRS	GC-6	0.984	BQL0567	ND	
PCB-1221	ND	mg/kg	0.010	0.0050	EPA-8082	12/04/07	12/11/07 22:36	JRS	GC-6	0.984	BQL0567	ND	
PCB-1232	ND	mg/kg	0.010	0.0012	EPA-8082	12/04/07	12/11/07 22:36	JRS	GC-6	0.984	BQL0567	ND	
PCB-1242	ND	mg/kg	0.010	0.0016	EPA-8082	12/04/07	12/11/07 22:36	JRS	GC-6	0.984	BQL0567	ND	
PCB-1248	ND	mg/kg	0.010	0.0012	EPA-8082	12/04/07	12/11/07 22:36	JRS	GC-6	0.984	BQL0567	ND	
PCB-1254	ND	mg/kg	0.010	0.00078	EPA-8082	12/04/07	12/11/07 22:36	JRS	GC-6	0.984	BQL0567	ND	
PCB-1260	ND	mg/kg	0.010	0.0022	EPA-8082	12/04/07	12/11/07 22:36	JRS	GC-6	0.984	BQL0567	ND	
Total PCB's (Summation)	ND	mg/kg	0.010	0.0050	EPA-8082	12/04/07	12/11/07 22:36	JRS	GC-6	0.984	BQL0567	ND	
Decachlorobiphenyl (Surrogate)	94.0	%	40 - 136 (LCL - UCL)		EPA-8082	12/04/07	12/11/07 22:36	JRS	GC-6	0.984	BQL0567		

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/19/2007 16:05

Organochlorine Pesticides (EPA Method 8081)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Aldrin	BQL0568	Matrix Spike	0710826-18	ND	0.010014	0.0083056	mg/kg		121		67 - 133	
		Matrix Spike Duplicate	0710826-18	ND	0.0095502	0.0083056	mg/kg	5.1	115	30	67 - 133	
gamma-BHC (Lindane)	BQL0568	Matrix Spike	0710826-18	ND	0.0081318	0.0083056	mg/kg		97.9		58 - 117	
		Matrix Spike Duplicate	0710826-18	ND	0.0081449	0.0083056	mg/kg	0.2	98.1	30	58 - 117	
4,4'-DDT	BQL0568	Matrix Spike	0710826-18	ND	0.0083424	0.0083056	mg/kg		100		43 - 129	
		Matrix Spike Duplicate	0710826-18	ND	0.0078733	0.0083056	mg/kg	5.3	94.8	30	43 - 129	
Dieldrin	BQL0568	Matrix Spike	0710826-18	ND	0.0091459	0.0083056	mg/kg		110		74 - 121	
		Matrix Spike Duplicate	0710826-18	ND	0.0087062	0.0083056	mg/kg	4.7	105	30	74 - 121	
Endrin	BQL0568	Matrix Spike	0710826-18	ND	0.0095851	0.0083056	mg/kg		115		46 - 144	
		Matrix Spike Duplicate	0710826-18	ND	0.0090430	0.0083056	mg/kg	5.4	109	30	46 - 144	
Heptachlor	BQL0568	Matrix Spike	0710826-18	ND	0.010113	0.0083056	mg/kg		122		72 - 132	
		Matrix Spike Duplicate	0710826-18	ND	0.0096484	0.0083056	mg/kg	5.0	116	30	72 - 132	
TCMX (Surrogate)	BQL0568	Matrix Spike	0710826-18	ND	0.011795	0.0099668	mg/kg		118		65 - 129	
		Matrix Spike Duplicate	0710826-18	ND	0.012163	0.0099668	mg/kg		122		65 - 129	
Dibutyl chlorendate (Surrogate)	BQL0568	Matrix Spike	0710826-18	ND	0.030561	0.024917	mg/kg		123		65 - 173	
		Matrix Spike Duplicate	0710826-18	ND	0.028849	0.024917	mg/kg		116		65 - 173	

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/19/2007 16:05

PCB Analysis (EPA Method 8082)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
PCB-1260	BQL0567	Matrix Spike	0714070-01	ND	0.089468	0.083056	mg/kg		108		32 - 136	
		Matrix Spike Duplicate	0714070-01	ND	0.079767	0.083333	mg/kg	12.1	95.7	19	32 - 136	
Decachlorobiphenyl (Surrogate)	BQL0567	Matrix Spike	0714070-01	ND	0.0039535	0.0033223	mg/kg		119		40 - 136	
		Matrix Spike Duplicate	0714070-01	ND	0.0035667	0.0033333	mg/kg		107		40 - 136	

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/19/2007 16:05

Organochlorine Pesticides (EPA Method 8081)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Aldrin	BQL0568	BQL0568-BS1	LCS	0.010213	0.0082508	0.00050	mg/kg	124		76 - 127		
gamma-BHC (Lindane)	BQL0568	BQL0568-BS1	LCS	0.0086512	0.0082508	0.00050	mg/kg	105		62 - 119		
4,4'-DDT	BQL0568	BQL0568-BS1	LCS	0.0085406	0.0082508	0.00050	mg/kg	104		46 - 118		
Dieldrin	BQL0568	BQL0568-BS1	LCS	0.0093631	0.0082508	0.00050	mg/kg	113		71 - 122		
Endrin	BQL0568	BQL0568-BS1	LCS	0.0097088	0.0082508	0.00050	mg/kg	118		67 - 126		
Heptachlor	BQL0568	BQL0568-BS1	LCS	0.010340	0.0082508	0.00050	mg/kg	125		75 - 133		
TCMX (Surrogate)	BQL0568	BQL0568-BS1	LCS	0.012826	0.0099010		mg/kg	130		65 - 129		S09
Dibutyl chlorendate (Surrogate)	BQL0568	BQL0568-BS1	LCS	0.030833	0.024752		mg/kg	125		65 - 173		

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/19/2007 16:05

PCB Analysis (EPA Method 8082)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
PCB-1260	BQL0567	BQL0567-BS1	LCS	0.084404	0.082781	0.010	mg/kg	102		66 - 116		
Decachlorobiphenyl (Surrogate)	BQL0567	BQL0567-BS1	LCS	0.0034768	0.0033113		mg/kg	105		40 - 136		

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/19/2007 16:05

Organochlorine Pesticides (EPA Method 8081)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Aldrin	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.00024	
alpha-BHC	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.000047	
beta-BHC	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.00025	
delta-BHC	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.000076	
gamma-BHC (Lindane)	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.000060	
Chlordane (Technical)	BQL0568	BQL0568-BLK1	ND	mg/kg	0.050	0.015	
4,4'-DDD	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.000047	
4,4'-DDE	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.000068	
4,4'-DDT	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.000055	
Dieldrin	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.000054	
Endosulfan I	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.000081	
Endosulfan II	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.00015	
Endosulfan sulfate	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.000063	
Endrin	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.000044	
Endrin aldehyde	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.000043	
Heptachlor	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.00019	
Heptachlor epoxide	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.00025	
Methoxychlor	BQL0568	BQL0568-BLK1	ND	mg/kg	0.00050	0.00014	
Toxaphene	BQL0568	BQL0568-BLK1	ND	mg/kg	0.050	0.0074	
TCMX (Surrogate)	BQL0568	BQL0568-BLK1	108	%	65 - 129 (LCL - UCL)		
Dibutyl chlorendate (Surrogate)	BQL0568	BQL0568-BLK1	123	%	65 - 173 (LCL - UCL)		

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TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

Project: Pala Substation
Project Number: [none]
Project Manager: Steve Defibaugh

Reported: 12/19/2007 16:05

PCB Analysis (EPA Method 8082)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
PCB-1016	BQL0567	BQL0567-BLK1	ND	mg/kg	0.010	0.0027	
PCB-1221	BQL0567	BQL0567-BLK1	ND	mg/kg	0.010	0.0050	
PCB-1232	BQL0567	BQL0567-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1242	BQL0567	BQL0567-BLK1	ND	mg/kg	0.010	0.0016	
PCB-1248	BQL0567	BQL0567-BLK1	ND	mg/kg	0.010	0.0012	
PCB-1254	BQL0567	BQL0567-BLK1	ND	mg/kg	0.010	0.00078	
PCB-1260	BQL0567	BQL0567-BLK1	ND	mg/kg	0.010	0.0022	
Total PCB's (Summation)	BQL0567	BQL0567-BLK1	ND	mg/kg	0.010	0.0050	
Decachlorobiphenyl (Surrogate)	BQL0567	BQL0567-BLK1	108	%	40 - 136 (LCL - UCL)		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/19/2007 16:05

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A10	PQL's and MDL's were raised due to matrix interference.
S09	The surrogate recovery on the sample for this compound was not within the control limits.

BC LABORATORIES, INC.

Date of Report: 12/27/2007

Steve Defibaugh

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

RE: Pala Substation
BC Work Order: 0714260

Enclosed are the results of analyses for samples received by the laboratory on 12/04/2007 18:27. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers
Contact Person: Molly Meyers
Client Service Rep

Steven Bennett
Authorized Signature

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BC Laboratories, Inc.

Chain of Custody Form

PLEASE COMPLETE BCL QUOTE ID:

57556

Page 1 of 1

Report To: Client: TRC	Project #: 125158 / TA04
Attn: Stephen Defibaugh	Project Name: Pala Substation
Street Address: 21 Technology Dr.	Project Code:
City, State, Zip: Irvine, CA 92618	Sampler(s): Warren Howe
Phone: Fax:	
Email Address:	
Submittal #: 07-14260	

Analysis Requested

Please refer to the back of this page for completion instructions and method legend.

Comments:

Sample #	Description	Date Sampled	Time Sampled	TPH-G+D by EPA 8015M	Chlor. Herbicides RRA 8151	CAM 17 Metals	VOC's by EPA 8260B	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*	Notes
-1	TRC-3 @ 0.5'	12/3/07	13:00	X	X	X	X	X						10	8 sample tubes

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☐ No

* Standard Turnaround = 15 work days

DISTRIBUTION: KT, MS, SW, SWT, ORIGINAL

Billing ☒ Same as above

Client:

Address:

City: State Zip

Attn:

PO#: IRV-805134

Report Drinking Waters on State Form? ☐ Yes ☐ No

Send Copy to State of CA? ☐ Yes ☒ No

Sample Disposal: ☐ Return to Client ☒ Disposal by lab ☐ Archive: Months

Special Reporting: ☐ QC ☐ WIP ☐ Raw Data

Relinquished By	Date	Time	Received By	Date	Time
1. Warren Howe	12/4/07	1:40 pm	1. Andrew John	12/4/07	1:40 pm
2. Andrew John	12/4/07	3:05 pm	2. [illegible]	12/4/07	15:05
3. [illegible]	12/4/7	15:27	3. Received By	Date	Time

BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No. 10 01/21/04 Page ___ Of ___

Submission #: 07-14260 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals [redacted] [redacted] None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Ice Chest ID R/W Temperature: 5.1 °C Thermometer ID: #48
Emissivity 0.98 Container Otta
Date/Time 12/4/07 Analyst Init OTO

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9
QT GENERAL MINERAL/ GENERAL PHYSICAL									
PT PE UNPRESERVED									
QT INORGANIC CHEMICAL METALS									
PT INORGANIC CHEMICAL METALS									
PT CYANIDE									
PT NITROGEN FORMS									
PT TOTAL SULFIDE									
2oz. NITRATE / NITRITE									
100ml TOTAL ORGANIC CARBON									
QT TOX									
PT CHEMICAL OXYGEN DEMAND									
PtA PHENOLICS									
40ml VOA VIAL TRAVEL BLANK									
40ml VOA VIAL	( )	( )	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1									
PT ODOR									
RADIOLOGICAL									
BACTERIOLOGICAL									
40 ml VOA VIAL - 504									
QT EPA 508/608/8080									
QT EPA 515.1/8150									
QT EPA 525									
QT EPA 525 TRAVEL BLANK									
100ml EPA 547									
100ml EPA 531.1									
QT EPA 548									
QT EPA 549									
QT EPA 632									
QT EPA 8015M									
QT QA/QC									
QT AMBER									
8 OZ. JAR									
32 OZ. JAR									
SOIL SLEEVE	A,B,C,D E,F,g,h								
PCB VIAL									
PLASTIC BAG									
FERROUS IRON									
ENCORE									

Comments:
Sample Numbering Completed By: OTO Date/Time: 12/4/07 2200

BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/27/2007 14:55

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information					
0714260-01	**COC Number:**	---	**Receive Date:**	12/04/2007 18:27	Delivery Work Order:	
	Project Number:	PALA SUBSTATION	**Sampling Date:**	12/03/2007 13:00	Global ID:	
	Sampling Location:	TRC-3	**Sample Depth:**	---	Matrix: SO	
	Sampling Point:	TRC-3 @ 0.5	**Sample Matrix:**	Solids	Samle QC Type (SACode): CS	
	Sampled By:	TRCI			Cooler ID:	

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BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/27/2007 14:55

Chlorinated Herbicides (EPA Method 8150)

BCL Sample ID: 0714260-01 | **Client Sample Name:** PALA SUBSTATION, TRC-3, TRC-3 @ 0.5, 12/3/2007 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
2,4-D	ND	mg/kg	0.020	0.0019	EPA-8150	12/11/07	12/14/07 11:23	JST	GC-8	1.003	BQL0791	ND	
2,4-DB	ND	mg/kg	0.040	0.0041	EPA-8150	12/11/07	12/14/07 11:23	JST	GC-8	1.003	BQL0791	ND	
Dicamba	ND	mg/kg	0.0020	0.00056	EPA-8150	12/11/07	12/14/07 11:23	JST	GC-8	1.003	BQL0791	ND	V11
Dichloroprop	ND	mg/kg	0.020	0.00079	EPA-8150	12/11/07	12/14/07 11:23	JST	GC-8	1.003	BQL0791	ND	
Dinoseb	ND	mg/kg	0.0070	0.00051	EPA-8150	12/11/07	12/14/07 11:23	JST	GC-8	1.003	BQL0791	ND	
2,4,5-T	ND	mg/kg	0.0030	0.00051	EPA-8150	12/11/07	12/14/07 11:23	JST	GC-8	1.003	BQL0791	ND	
2,4,5-TP (Silvex)	ND	mg/kg	0.0030	0.0012	EPA-8150	12/11/07	12/14/07 11:23	JST	GC-8	1.003	BQL0791	ND	
2,4-Dichlorophenylacetic acid (Surrogate)	75.0	%	33 - 150 (LCL - UCL)		EPA-8150	12/11/07	12/14/07 11:23	JST	GC-8	1.003	BQL0791		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/27/2007 14:55

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0714260-01 | **Client Sample Name:** PALA SUBSTATION, TRC-3, TRC-3 @ 0.5, 12/3/2007 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	0.0033	mg/kg	0.0050	0.0014	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	J
Bromobenzene	ND	mg/kg	0.0050	0.00080	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Bromochloromethane	ND	mg/kg	0.0050	0.00090	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Bromodichloromethane	ND	mg/kg	0.0050	0.0011	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Bromoform	ND	mg/kg	0.0050	0.0023	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Bromomethane	ND	mg/kg	0.0050	0.0019	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
n-Butylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
sec-Butylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
tert-Butylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Carbon tetrachloride	ND	mg/kg	0.0050	0.0018	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Chlorobenzene	ND	mg/kg	0.0050	0.0011	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Chloroethane	ND	mg/kg	0.0050	0.0016	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Chloroform	ND	mg/kg	0.0050	0.0011	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Chloromethane	ND	mg/kg	0.0050	0.0017	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
2-Chlorotoluene	ND	mg/kg	0.0050	0.00091	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
4-Chlorotoluene	ND	mg/kg	0.0050	0.0011	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Dibromochloromethane	ND	mg/kg	0.0050	0.00096	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0020	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,2-Dibromoethane	ND	mg/kg	0.0050	0.0011	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Dibromomethane	ND	mg/kg	0.0050	0.0014	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,2-Dichlorobenzene	ND	mg/kg	0.0050	0.00091	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,3-Dichlorobenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,4-Dichlorobenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0714260-01 | **Client Sample Name:** PALA SUBSTATION, TRC-3, TRC-3 @ 0.5, 12/3/2007 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	ND	mg/kg	0.0050	0.0021	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0012	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,2-Dichloroethane	ND	mg/kg	0.0050	0.00099	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0017	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0015	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,2-Dichloropropane	ND	mg/kg	0.0050	0.00079	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,3-Dichloropropane	ND	mg/kg	0.0050	0.00062	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
2,2-Dichloropropane	ND	mg/kg	0.0050	0.0013	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,1-Dichloropropene	ND	mg/kg	0.0050	0.0015	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.00085	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0011	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Ethylbenzene	ND	mg/kg	0.0050	0.0013	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Hexachlorobutadiene	ND	mg/kg	0.0050	0.0017	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Isopropylbenzene	ND	mg/kg	0.0050	0.0014	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
p-Isopropyltoluene	ND	mg/kg	0.0050	0.0014	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Methylene chloride	ND	mg/kg	0.010	0.0024	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Methyl t-butyl ether	ND	mg/kg	0.0050	0.0012	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Naphthalene	ND	mg/kg	0.0050	0.0013	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
n-Propylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Styrene	ND	mg/kg	0.0050	0.0012	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0013	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0011	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0714260-01 | **Client Sample Name:** PALA SUBSTATION, TRC-3, TRC-3 @ 0.5, 12/3/2007 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Tetrachloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Toluene	ND	mg/kg	0.0050	0.0012	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0012	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0012	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Trichloroethene	ND	mg/kg	0.0050	0.0013	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0017	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,2,3-Trichloropropane	ND	mg/kg	0.0050	0.0026	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050	0.0018	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050	0.0012	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050	0.0015	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Vinyl chloride	ND	mg/kg	0.0050	0.0021	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
Total Xylenes	ND	mg/kg	0.010	0.0037	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
p- & m-Xylenes	ND	mg/kg	0.0050	0.0025	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
o-Xylene	ND	mg/kg	0.0050	0.0013	EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015	ND	
1,2-Dichloroethane-d4 (Surrogate)	98.3	%	70 - 121 (LCL - UCL)		EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015		
Toluene-d8 (Surrogate)	95.3	%	81 - 117 (LCL - UCL)		EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015		
4-Bromofluorobenzene (Surrogate)	86.2	%	74 - 121 (LCL - UCL)		EPA-8260	12/04/07	12/06/07 15:02	LHS	MS-V2	1	BQL0015		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0714260-01 | **Client Sample Name:** PALA SUBSTATION, TRC-3, TRC-3 @ 0.5, 12/3/2007 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.13	Luft	12/06/07	12/06/07 18:09	JCC	GC-V8	1	BQL0299	ND	
a,a,a-Trifluorotoluene (FID Surrogate)	95.0	%	70 - 130 (LCL - UCL)		Luft	12/06/07	12/06/07 18:09	JCC	GC-V8	1	BQL0299		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/27/2007 14:55

Total Petroleum Hydrocarbons

BCL Sample ID: 0714260-01 | **Client Sample Name:** PALA SUBSTATION, TRC-3, TRC-3 @ 0.5, 12/3/2007 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	7.7	mg/kg	10	1.9	Luft/TPHd	12/07/07	12/11/07 01:57	MRW	GC-5	1.017	BQL0479	ND	J
Tetracosane (Surrogate)	95.5	%	34 - 136 (LCL - UCL)		Luft/TPHd	12/07/07	12/11/07 01:57	MRW	GC-5	1.017	BQL0479		V11

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Total Concentrations (TTLC)

BCL Sample ID: 0714260-01 | **Client Sample Name:** PALA SUBSTATION, TRC-3, TRC-3 @ 0.5, 12/3/2007 1:00:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	mg/kg	5.0	0.30	EPA-6010B	12/06/07	12/12/07 03:28	PRA	TJA61E	0.962	BQL0309	ND	
Arsenic	0.85	mg/kg	1.0	0.44	EPA-6010B	12/06/07	12/12/07 03:28	PRA	TJA61E	0.962	BQL0309	ND	J
Barium	51	mg/kg	0.50	0.056	EPA-6010B	12/06/07	12/12/07 03:28	PRA	TJA61E	0.962	BQL0309	0.096	
Beryllium	0.32	mg/kg	0.50	0.039	EPA-6010B	12/06/07	12/12/07 03:28	PRA	TJA61E	0.962	BQL0309	0.087	J
Cadmium	ND	mg/kg	0.50	0.23	EPA-6010B	12/06/07	12/12/07 03:28	PRA	TJA61E	0.962	BQL0309	ND	
Chromium	19	mg/kg	0.50	0.084	EPA-6010B	12/06/07	12/13/07 01:14	PRA	TJA61E	0.962	BQL0309	ND	
Cobalt	6.0	mg/kg	2.5	0.083	EPA-6010B	12/06/07	12/12/07 03:28	PRA	TJA61E	0.962	BQL0309	ND	
Copper	18	mg/kg	1.0	0.084	EPA-6010B	12/06/07	12/12/07 03:28	PRA	TJA61E	0.962	BQL0309	ND	
Lead	5.3	mg/kg	2.5	0.18	EPA-6010B	12/06/07	12/12/07 03:28	PRA	TJA61E	0.962	BQL0309	ND	
Mercury	ND	mg/kg	0.16	0.014	EPA-7471A	12/10/07	12/14/07 10:41	DIW	CETAC1	0.919	BQL0444	ND	
Molybdenum	0.35	mg/kg	2.5	0.11	EPA-6010B	12/06/07	12/12/07 03:28	PRA	TJA61E	0.962	BQL0309	ND	J
Nickel	10	mg/kg	0.50	0.072	EPA-6010B	12/06/07	12/13/07 01:14	PRA	TJA61E	0.962	BQL0309	ND	
Selenium	0.53	mg/kg	1.0	0.40	EPA-6010B	12/06/07	12/12/07 03:28	PRA	TJA61E	0.962	BQL0309	ND	J
Silver	ND	mg/kg	0.50	0.059	EPA-6010B	12/06/07	12/12/07 03:28	PRA	TJA61E	0.962	BQL0309	ND	
Thallium	ND	mg/kg	5.0	0.83	EPA-6010B	12/06/07	12/12/07 03:28	PRA	TJA61E	0.962	BQL0309	ND	
Vanadium	64	mg/kg	0.50	0.096	EPA-6010B	12/06/07	12/12/07 03:28	PRA	TJA61E	0.962	BQL0309	ND	
Zinc	26	mg/kg	2.5	0.41	EPA-6010B	12/06/07	12/12/07 03:28	PRA	TJA61E	0.962	BQL0309	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/27/2007 14:55

Chlorinated Herbicides (EPA Method 8150)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
2,4-D	BQL0791	Matrix Spike	0714260-01	ND	0.043854	0.066445	mg/kg		66.0		30 - 135	
		Matrix Spike Duplicate	0714260-01	ND	0.050662	0.066225	mg/kg	14.7	76.5	16	30 - 135	
2,4-DB	BQL0791	Matrix Spike	0714260-01	ND	0.16744	0.13289	mg/kg		126		32 - 174	
		Matrix Spike Duplicate	0714260-01	ND	0.15199	0.13245	mg/kg	9.1	115	20	32 - 174	
Dicamba	BQL0791	Matrix Spike	0714260-01	ND	0.012292	0.019934	mg/kg		61.7		34 - 136	V11
		Matrix Spike Duplicate	0714260-01	ND	0.013576	0.019868	mg/kg	10.2	68.3	13	34 - 136	V11
Dichloroprop	BQL0791	Matrix Spike	0714260-01	ND	0.054153	0.066445	mg/kg		81.5		37 - 142	
		Matrix Spike Duplicate	0714260-01	ND	0.057285	0.066225	mg/kg	6.0	86.5	25	37 - 142	
Dinoseb	BQL0791	Matrix Spike	0714260-01	ND	0.025249	0.033223	mg/kg		76.0		43 - 140	
		Matrix Spike Duplicate	0714260-01	ND	0.027483	0.033113	mg/kg	8.8	83.0	20	43 - 140	
2,4,5-T	BQL0791	Matrix Spike	0714260-01	ND	0.012292	0.019934	mg/kg		61.7		17 - 132	
		Matrix Spike Duplicate	0714260-01	ND	0.014901	0.019868	mg/kg	19.5	75.0	21	17 - 132	
2,4,5-TP (Silvex)	BQL0791	Matrix Spike	0714260-01	ND	0.015947	0.019934	mg/kg		80.0		30 - 160	
		Matrix Spike Duplicate	0714260-01	ND	0.018543	0.019868	mg/kg	15.3	93.3	24	30 - 160	
2,4-Dichlorophenylacetic acid (Surroga	BQL0791	Matrix Spike	0714260-01	ND	0.020598	0.033223	mg/kg		62.0		33 - 150	
		Matrix Spike Duplicate	0714260-01	ND	0.022848	0.033113	mg/kg		69.0		33 - 150	

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/27/2007 14:55

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BQL0015	Matrix Spike	0712930-77	ND	0.13084	0.12500	mg/kg		105		70 - 130	
		Matrix Spike Duplicate	0712930-77	ND	0.13425	0.12500	mg/kg	1.9	107	20	70 - 130	
Bromodichloromethane	BQL0015	Matrix Spike	0712930-77	ND	0.12458	0.12500	mg/kg		99.7		70 - 130	
		Matrix Spike Duplicate	0712930-77	ND	0.12578	0.12500	mg/kg	1.3	101	20	70 - 130	
Chlorobenzene	BQL0015	Matrix Spike	0712930-77	ND	0.13424	0.12500	mg/kg		107		70 - 130	
		Matrix Spike Duplicate	0712930-77	ND	0.13508	0.12500	mg/kg	0.9	108	20	70 - 130	
Chloroethane	BQL0015	Matrix Spike	0712930-77	ND	0.13389	0.12500	mg/kg		107		70 - 130	
		Matrix Spike Duplicate	0712930-77	ND	0.12274	0.12500	mg/kg	8.6	98.2	20	70 - 130	
1,4-Dichlorobenzene	BQL0015	Matrix Spike	0712930-77	ND	0.13600	0.12500	mg/kg		109		70 - 130	
		Matrix Spike Duplicate	0712930-77	ND	0.13469	0.12500	mg/kg	0.9	108	20	70 - 130	
1,1-Dichloroethane	BQL0015	Matrix Spike	0712930-77	ND	0.11989	0.12500	mg/kg		95.9		70 - 130	
		Matrix Spike Duplicate	0712930-77	ND	0.12233	0.12500	mg/kg	2.1	97.9	20	70 - 130	
1,1-Dichloroethene	BQL0015	Matrix Spike	0712930-77	ND	0.12113	0.12500	mg/kg		96.9		70 - 130	
		Matrix Spike Duplicate	0712930-77	ND	0.12420	0.12500	mg/kg	2.5	99.4	20	70 - 130	
Toluene	BQL0015	Matrix Spike	0712930-77	ND	0.12770	0.12500	mg/kg		102		70 - 130	
		Matrix Spike Duplicate	0712930-77	ND	0.12895	0.12500	mg/kg	1.0	103	20	70 - 130	
Trichloroethene	BQL0015	Matrix Spike	0712930-77	ND	0.13394	0.12500	mg/kg		107		70 - 130	
		Matrix Spike Duplicate	0712930-77	ND	0.13706	0.12500	mg/kg	2.8	110	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BQL0015	Matrix Spike	0712930-77	ND	0.048560	0.050000	mg/kg		97.1		70 - 121	
		Matrix Spike Duplicate	0712930-77	ND	0.047610	0.050000	mg/kg		95.2		70 - 121	
Toluene-d8 (Surrogate)	BQL0015	Matrix Spike	0712930-77	ND	0.047450	0.050000	mg/kg		94.9		81 - 117	
		Matrix Spike Duplicate	0712930-77	ND	0.046970	0.050000	mg/kg		93.9		81 - 117	
4-Bromofluorobenzene (Surrogate)	BQL0015	Matrix Spike	0712930-77	ND	0.050670	0.050000	mg/kg		101		74 - 121	
		Matrix Spike Duplicate	0712930-77	ND	0.052390	0.050000	mg/kg		105		74 - 121	

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Gasoline Range Organics (C4 - C12)	BQL0299	Matrix Spike	0712930-78	ND	5.5525	5.0000	mg/kg		111		70 - 130	
		Matrix Spike Duplicate	0712930-78	ND	5.3777	5.0000	mg/kg	2.7	108	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	BQL0299	Matrix Spike	0712930-78	ND	0.037800	0.040000	mg/kg		94.5		70 - 130	
		Matrix Spike Duplicate	0712930-78	ND	0.040700	0.040000	mg/kg		102		70 - 130	

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Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Diesel Range Organics (C12 - C24)	BQL0479	Matrix Spike	0714150-01	5.2299	86.185	83.056	mg/kg		97.5		40 - 137	
		Matrix Spike Duplicate	0714150-01	5.2299	78.336	82.781	mg/kg	9.9	88.3	30	40 - 137	
Tetracosane (Surrogate)	BQL0479	Matrix Spike	0714150-01	ND	3.0909	3.3223	mg/kg		93.0		34 - 136	
		Matrix Spike Duplicate	0714150-01	ND	2.8967	3.3113	mg/kg		87.5		34 - 136	

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Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Antimony	BQL0309	Duplicate	0714258-01	0.36765	ND		mg/kg			20		
		Matrix Spike	0714258-01	0.36765	50.931	98.039	mg/kg		51.6		16 - 119	
		Matrix Spike Duplicate	0714258-01	0.36765	48.029	98.039	mg/kg	6.0	48.6	20	16 - 119	
Arsenic	BQL0309	Duplicate	0714258-01	1.2402	1.0833		mg/kg	13.5		20		
		Matrix Spike	0714258-01	1.2402	6.3088	4.9020	mg/kg		103		75 - 125	
		Matrix Spike Duplicate	0714258-01	1.2402	6.4216	4.9020	mg/kg	2.9	106	20	75 - 125	
Barium	BQL0309	Duplicate	0714258-01	34.005	32.770		mg/kg	3.7		20		
		Matrix Spike	0714258-01	34.005	138.43	98.039	mg/kg		107		75 - 125	
		Matrix Spike Duplicate	0714258-01	34.005	141.13	98.039	mg/kg	1.9	109	20	75 - 125	
Beryllium	BQL0309	Duplicate	0714258-01	0.36275	0.32843		mg/kg	9.9		20		J
		Matrix Spike	0714258-01	0.36275	11.270	9.8039	mg/kg		111		75 - 125	
		Matrix Spike Duplicate	0714258-01	0.36275	11.172	9.8039	mg/kg	0.9	110	20	75 - 125	
Cadmium	BQL0309	Duplicate	0714258-01	ND	ND		mg/kg			20		
		Matrix Spike	0714258-01	ND	10.897	9.8039	mg/kg		111		75 - 125	
		Matrix Spike Duplicate	0714258-01	ND	10.824	9.8039	mg/kg	0.9	110	20	75 - 125	
Chromium	BQL0309	Duplicate	0714258-01	10.858	11.711		mg/kg	7.6		20		
		Matrix Spike	0714258-01	10.858	109.71	98.039	mg/kg		101		75 - 125	
		Matrix Spike Duplicate	0714258-01	10.858	110.64	98.039	mg/kg	1.0	102	20	75 - 125	
Cobalt	BQL0309	Duplicate	0714258-01	10.956	9.9706		mg/kg	9.4		20		
		Matrix Spike	0714258-01	10.956	116.67	98.039	mg/kg		108		75 - 125	
		Matrix Spike Duplicate	0714258-01	10.956	115.74	98.039	mg/kg	0.9	107	20	75 - 125	
Copper	BQL0309	Duplicate	0714258-01	64.902	60.931		mg/kg	6.3		20		
		Matrix Spike	0714258-01	64.902	169.75	98.039	mg/kg		107		75 - 125	
		Matrix Spike Duplicate	0714258-01	64.902	169.90	98.039	mg/kg	0	107	20	75 - 125	
Lead	BQL0309	Duplicate	0714258-01	2.6667	2.7598		mg/kg	3.4		20		
		Matrix Spike	0714258-01	2.6667	106.18	98.039	mg/kg		106		75 - 125	
		Matrix Spike Duplicate	0714258-01	2.6667	104.71	98.039	mg/kg	1.9	104	20	75 - 125	

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Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Molybdenum	BQL0309	Duplicate	0714258-01	0.63235	0.40196		mg/kg	44.5		20		J,A02
		Matrix Spike	0714258-01	0.63235	102.21	98.039	mg/kg		104		75 - 125	
		Matrix Spike Duplicate	0714258-01	0.63235	101.03	98.039	mg/kg	1.9	102	20	75 - 125	
Nickel	BQL0309	Duplicate	0714258-01	4.7255	4.9608		mg/kg	4.9		20		
		Matrix Spike	0714258-01	4.7255	105.59	98.039	mg/kg		103		75 - 125	
		Matrix Spike Duplicate	0714258-01	4.7255	105.10	98.039	mg/kg	1.0	102	20	75 - 125	
Selenium	BQL0309	Duplicate	0714258-01	0.69118	0.60294		mg/kg	13.6		20		J
		Matrix Spike	0714258-01	0.69118	5.8235	4.9020	mg/kg		105		75 - 125	
		Matrix Spike Duplicate	0714258-01	0.69118	5.5833	4.9020	mg/kg	5.1	99.8	20	75 - 125	
Silver	BQL0309	Duplicate	0714258-01	ND	ND		mg/kg			20		
		Matrix Spike	0714258-01	ND	8.6667	9.8039	mg/kg		88.4		75 - 125	
		Matrix Spike Duplicate	0714258-01	ND	8.6422	9.8039	mg/kg	0.2	88.2	20	75 - 125	
Thallium	BQL0309	Duplicate	0714258-01	ND	ND		mg/kg			20		
		Matrix Spike	0714258-01	ND	103.97	98.039	mg/kg		106		75 - 125	
		Matrix Spike Duplicate	0714258-01	ND	102.55	98.039	mg/kg	0.9	105	20	75 - 125	
Vanadium	BQL0309	Duplicate	0714258-01	137.60	124.41		mg/kg	10.1		20		
		Matrix Spike	0714258-01	137.60	234.17	98.039	mg/kg		98.5		75 - 125	
		Matrix Spike Duplicate	0714258-01	137.60	232.55	98.039	mg/kg	1.7	96.8	20	75 - 125	
Zinc	BQL0309	Duplicate	0714258-01	24.039	21.250		mg/kg	12.3		20		
		Matrix Spike	0714258-01	24.039	127.70	98.039	mg/kg		106		75 - 125	
		Matrix Spike Duplicate	0714258-01	24.039	128.87	98.039	mg/kg	0.9	107	20	75 - 125	
Mercury	BQL0444	Duplicate	0714177-01	ND	ND		mg/kg			20		
		Matrix Spike	0714177-01	ND	0.66970	0.75758	mg/kg		88.4		85 - 115	
		Matrix Spike Duplicate	0714177-01	ND	0.72109	0.78125	mg/kg	4.3	92.3	20	85 - 115	

BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/27/2007 14:55

Chlorinated Herbicides (EPA Method 8150)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
2,4-D	BQL0791	BQL0791-BS1	LCS	0.062333	0.066667	0.020	mg/kg	93.5		30 - 123		
2,4-DB	BQL0791	BQL0791-BS1	LCS	0.20500	0.13333	0.040	mg/kg	154		20 - 138		L01
Dicamba	BQL0791	BQL0791-BS1	LCS	0.020667	0.020000	0.0020	mg/kg	103		50 - 127		
Dichloroprop	BQL0791	BQL0791-BS1	LCS	0.063000	0.066667	0.020	mg/kg	94.5		44 - 133		
Dinoseb	BQL0791	BQL0791-BS1	LCS	0.033667	0.033333	0.0070	mg/kg	101		44 - 146		
2,4,5-T	BQL0791	BQL0791-BS1	LCS	0.017667	0.020000	0.0030	mg/kg	88.3		26 - 138		
2,4,5-TP (Silvex)	BQL0791	BQL0791-BS1	LCS	0.021000	0.020000	0.0030	mg/kg	105		50 - 134		
2,4-Dichlorophenylacetic acid (Surroga	BQL0791	BQL0791-BS1	LCS	0.025333	0.033333		mg/kg	76.0		33 - 150		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BQL0015	BQL0015-BS1	LCS	0.13627	0.12500	0.0050	mg/kg	109		70 - 130		
Bromodichloromethane	BQL0015	BQL0015-BS1	LCS	0.12001	0.12500	0.0050	mg/kg	96.0		70 - 130		
Chlorobenzene	BQL0015	BQL0015-BS1	LCS	0.13549	0.12500	0.0050	mg/kg	108		70 - 130		
Chloroethane	BQL0015	BQL0015-BS1	LCS	0.12345	0.12500	0.0050	mg/kg	98.8		70 - 130		
1,4-Dichlorobenzene	BQL0015	BQL0015-BS1	LCS	0.12558	0.12500	0.0050	mg/kg	100		70 - 130		
1,1-Dichloroethane	BQL0015	BQL0015-BS1	LCS	0.12289	0.12500	0.0050	mg/kg	98.3		70 - 130		
1,1-Dichloroethene	BQL0015	BQL0015-BS1	LCS	0.12474	0.12500	0.0050	mg/kg	99.8		70 - 130		
Toluene	BQL0015	BQL0015-BS1	LCS	0.12674	0.12500	0.0050	mg/kg	101		70 - 130		
Trichloroethene	BQL0015	BQL0015-BS1	LCS	0.13410	0.12500	0.0050	mg/kg	107		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BQL0015	BQL0015-BS1	LCS	0.048400	0.050000		mg/kg	96.8		70 - 121		
Toluene-d8 (Surrogate)	BQL0015	BQL0015-BS1	LCS	0.047620	0.050000		mg/kg	95.2		81 - 117		
4-Bromofluorobenzene (Surrogate)	BQL0015	BQL0015-BS1	LCS	0.052310	0.050000		mg/kg	105		74 - 121		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Gasoline Range Organics (C4 - C12)	BQL0299	BQL0299-BS1	LCS	5.4784	5.0000	1.0	mg/kg	110		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BQL0299	BQL0299-BS1	LCS	0.040600	0.040000		mg/kg	102		70 - 130		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: Pala Substation Project Number: [none] Project Manager: Steve Defibaugh	**Reported:** 12/27/2007 14:55

Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Diesel Range Organics (C12 - C24)	BQL0479	BQL0479-BS1	LCS	79.155	82.781	10	mg/kg	95.6		50 - 136		
Tetracosane (Surrogate)	BQL0479	BQL0479-BS1	LCS	2.7790	3.3113		mg/kg	83.9		34 - 136		

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Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Antimony	BQL0309	BQL0309-BS1	LCS	104.85	100.00	5.0	mg/kg	105		75 - 125		
Arsenic	BQL0309	BQL0309-BS1	LCS	5.7950	5.0000	1.0	mg/kg	116		75 - 125		
Barium	BQL0309	BQL0309-BS1	LCS	112.10	100.00	0.50	mg/kg	112		75 - 125		
Beryllium	BQL0309	BQL0309-BS1	LCS	11.830	10.000	0.50	mg/kg	118		75 - 125		
Cadmium	BQL0309	BQL0309-BS1	LCS	11.960	10.000	0.50	mg/kg	120		75 - 125		
Chromium	BQL0309	BQL0309-BS2	LCS	100.70	100.00	0.50	mg/kg	101		75 - 125		
Cobalt	BQL0309	BQL0309-BS1	LCS	115.30	100.00	2.5	mg/kg	115		75 - 125		
Copper	BQL0309	BQL0309-BS1	LCS	105.95	100.00	1.0	mg/kg	106		75 - 125		
Lead	BQL0309	BQL0309-BS1	LCS	110.65	100.00	2.5	mg/kg	111		75 - 125		
Molybdenum	BQL0309	BQL0309-BS1	LCS	109.60	100.00	2.5	mg/kg	110		75 - 125		
Nickel	BQL0309	BQL0309-BS2	LCS	103.95	100.00	0.50	mg/kg	104		75 - 125		
Selenium	BQL0309	BQL0309-BS1	LCS	5.4900	5.0000	1.0	mg/kg	110		75 - 125		
Silver	BQL0309	BQL0309-BS1	LCS	9.0000	10.000	0.50	mg/kg	90.0		75 - 125		
Thallium	BQL0309	BQL0309-BS1	LCS	110.90	100.00	5.0	mg/kg	111		75 - 125		
Vanadium	BQL0309	BQL0309-BS1	LCS	114.80	100.00	0.50	mg/kg	115		75 - 125		
Zinc	BQL0309	BQL0309-BS1	LCS	114.20	100.00	2.5	mg/kg	114		75 - 125		
Mercury	BQL0444	BQL0444-BS1	LCS	1.4217	1.5000	0.16	mg/kg	94.8		75 - 125		

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Chlorinated Herbicides (EPA Method 8150)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
2,4-D	BQL0791	BQL0791-BLK1	ND	mg/kg	0.020	0.0019	
2,4-DB	BQL0791	BQL0791-BLK1	ND	mg/kg	0.040	0.0041	
Dicamba	BQL0791	BQL0791-BLK1	ND	mg/kg	0.0020	0.00056	
Dichloroprop	BQL0791	BQL0791-BLK1	ND	mg/kg	0.020	0.00079	
Dinoseb	BQL0791	BQL0791-BLK1	ND	mg/kg	0.0070	0.00051	
2,4,5-T	BQL0791	BQL0791-BLK1	ND	mg/kg	0.0030	0.00051	
2,4,5-TP (Silvex)	BQL0791	BQL0791-BLK1	ND	mg/kg	0.0030	0.0012	
2,4-Dichlorophenylacetic acid (Surrogate)	BQL0791	BQL0791-BLK1	91.0	%	33 - 150 (LCL - UCL)		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0014	
Bromobenzene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.00080	
Bromochloromethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.00090	
Bromodichloromethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0011	
Bromoform	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0023	
Bromomethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0019	
n-Butylbenzene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0015	
sec-Butylbenzene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0013	
tert-Butylbenzene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0013	
Carbon tetrachloride	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0018	
Chlorobenzene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0011	
Chloroethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0016	
Chloroform	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0011	
Chloromethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0017	
2-Chlorotoluene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.00091	
4-Chlorotoluene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0011	
Dibromochloromethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.00096	
1,2-Dibromo-3-chloropropane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0020	
1,2-Dibromoethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0011	
Dibromomethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0014	
1,2-Dichlorobenzene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.00091	
1,3-Dichlorobenzene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0012	
1,4-Dichlorobenzene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0013	
Dichlorodifluoromethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0021	

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
1,1-Dichloroethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0012	
1,2-Dichloroethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.00099	
1,1-Dichloroethene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0017	
cis-1,2-Dichloroethene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0014	
trans-1,2-Dichloroethene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0015	
1,2-Dichloropropane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.00079	
1,3-Dichloropropane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.00062	
2,2-Dichloropropane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0013	
1,1-Dichloropropene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0015	
cis-1,3-Dichloropropene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.00085	
trans-1,3-Dichloropropene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0011	
Ethylbenzene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0013	
Hexachlorobutadiene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0017	
Isopropylbenzene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0014	
p-Isopropyltoluene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0014	
Methylene chloride	BQL0015	BQL0015-BLK1	ND	mg/kg	0.010	0.0024	
Methyl t-butyl ether	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0012	
Naphthalene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0013	
n-Propylbenzene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0012	
Styrene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0012	
1,1,1,2-Tetrachloroethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0013	
1,1,2,2-Tetrachloroethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0011	
Tetrachloroethene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0013	
Toluene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0012	

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
1,2,3-Trichlorobenzene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0012	
1,2,4-Trichlorobenzene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0015	
1,1,1-Trichloroethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0012	
1,1,2-Trichloroethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0012	
Trichloroethene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0013	
Trichlorofluoromethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0017	
1,2,3-Trichloropropane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0026	
1,1,2-Trichloro-1,2,2-trifluoroethane	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0018	
1,2,4-Trimethylbenzene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0012	
1,3,5-Trimethylbenzene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0015	
Vinyl chloride	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0021	
Total Xylenes	BQL0015	BQL0015-BLK1	ND	mg/kg	0.010	0.0037	
p- & m-Xylenes	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0025	
o-Xylene	BQL0015	BQL0015-BLK1	ND	mg/kg	0.0050	0.0013	
1,2-Dichloroethane-d4 (Surrogate)	BQL0015	BQL0015-BLK1	100	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BQL0015	BQL0015-BLK1	93.5	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BQL0015	BQL0015-BLK1	92.2	%	74 - 121 (LCL - UCL)		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Gasoline Range Organics (C4 - C12)	BQL0299	BQL0299-BLK1	ND	mg/kg	1.0	0.13	
a,a,a-Trifluorotoluene (FID Surrogate)	BQL0299	BQL0299-BLK1	102	%	70 - 130 (LCL - UCL)		

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Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Diesel Range Organics (C12 - C24)	BQL0479	BQL0479-BLK1	ND	mg/kg	10	1.9	
Tetracosane (Surrogate)	BQL0479	BQL0479-BLK1	85.6	%	34 - 136 (LCL - UCL)		

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Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Antimony	BQL0309	BQL0309-BLK1	ND	mg/kg	5.0	0.30	
Arsenic	BQL0309	BQL0309-BLK1	ND	mg/kg	1.0	0.44	
Barium	BQL0309	BQL0309-BLK1	0.10000	mg/kg	0.50	0.056	J
Beryllium	BQL0309	BQL0309-BLK1	0.090000	mg/kg	0.50	0.039	J
Cadmium	BQL0309	BQL0309-BLK1	ND	mg/kg	0.50	0.23	
Chromium	BQL0309	BQL0309-BLK2	ND	mg/kg	0.50	0.084	
Cobalt	BQL0309	BQL0309-BLK1	ND	mg/kg	2.5	0.083	
Copper	BQL0309	BQL0309-BLK1	ND	mg/kg	1.0	0.084	
Lead	BQL0309	BQL0309-BLK1	ND	mg/kg	2.5	0.18	
Molybdenum	BQL0309	BQL0309-BLK1	ND	mg/kg	2.5	0.11	
Nickel	BQL0309	BQL0309-BLK2	ND	mg/kg	0.50	0.072	
Selenium	BQL0309	BQL0309-BLK1	ND	mg/kg	1.0	0.40	
Silver	BQL0309	BQL0309-BLK1	ND	mg/kg	0.50	0.059	
Thallium	BQL0309	BQL0309-BLK1	ND	mg/kg	5.0	0.83	
Vanadium	BQL0309	BQL0309-BLK1	ND	mg/kg	0.50	0.096	
Zinc	BQL0309	BQL0309-BLK1	ND	mg/kg	2.5	0.41	
Mercury	BQL0444	BQL0444-BLK1	ND	mg/kg	0.16	0.014	

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Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A02	The difference between duplicate readings is less than the PQL.
L01	The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits.
V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.

APPENDIX G

INSPECTION PHOTOGRAPHIC LOG

APPENDIX H

PROFESSIONAL RESUME

JEROME F. JAMINET, JR., REA

EDUCATION
B.A., History, Wesleyan University, 1990

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS
California Registered Environmental Assessor I, # 07167
Hazardous Materials Management Certificate, 1997, University of California San Diego Extension

AREAS OF EXPERTISE
Mr. Jerome F. Jaminet, Jr. has project management and technical experience in the following general areas:

- Storm Water Quality and Compliance
- Regulatory Compliance and Liability Assessments and Audits
- Groundwater Assessment and Remediation
- Phase I Environmental Site Assessment

REPRESENTATIVE EXPERIENCE
Mr. Jaminet has over 16 years of experience and progressive responsibility in environmental and water quality consulting. His qualifications include extensive experience with inspections of construction projects as well as commercial and industrial facilities for regulatory compliance, water and soil sample collection to evaluate and mitigate potential impacts, and assisting clients with developing regulatory compliance programs. Mr. Jaminet's background includes extensive service to private and public-sector clientele including San Diego Gas & Electric/Sempra Utilities, ConocoPhillips, Port of San Diego, Pacific Gas & Electric, Chevron, Home Depot, and Union Bank of California. He currently serves in the capacity of Senior Project Manager for the San Diego office directing project managers, engineers and staff on NPDES compliance and environmental assessment projects. Mr. Jaminet has been conducting and/or managing Phase I Environmental Site Assessments in conformance to ASTM standards since 1992.

Sempra Utilities, Phase II Construction Project NPDES Compliance- Southern California, CA (Senior Project Manager: 2003-Present)
Mr. Jaminet assisted Sempra with the development and implementation of a programmatic approach to compliance with new construction storm water permitting requirements. He worked with Sempra environmental and various internal division staff to describe how the compliance program would fit into the way construction projects were already generated and managed in the various divisions of the regulated utility companies. Mr. Jaminet's initial efforts focused on ensuring compliance for over 200 active and proposed small construction projects prior to the March 10, 2003 deadline. This phase included managing the work of TRC staff and three other consulting firms supporting individual construction projects. After the deadline, the program continued to evolve and incorporated a new general permit for small linear utility construction projects. TRC continues to provide

compliance inspections and support for small construction projects on an ongoing basis. To date, there have been no notices of violation or fines for NPDES related compliance issued against projects with TRC involvement.

San Diego Gas & Electric, Large Linear Construction Project Compliance- San Diego County, CA (Senior Project Manager: 2005-Present)
Mr. Jaminet serves as Senior Project Manager for this multi-year project to ensure compliance with stormwater requirements during construction of a 52-mile electrical transmission line. This project included work in sensitive biological and wetland areas, horizontal drilling, groundwater dewatering, extensive grading and trenching in highly sloped areas and other tasks requiring careful consideration of best management practice (BMP) selection, design and implementation. To date, there have been no notices of violation or fines for stormwater related compliance against this project.

San Diego Gas & Electric, Erosion Control During Access Road Maintenance- Southern California, CA (Senior Project Manager: 2006-Present)
Mr. Jaminet served as Senior Project Manager for the surveying of SDG&E access roads ahead of normal access road maintenance activities in order to identify potential water quality issues. TRC mapped potential regulated waters and areas with potential erosion concerns for follow up activities using GPS instrumentation and provided photograph and written descriptions in a format suitable for import into SDG&E's GIS system.

BP ARCO, NPDES Compliance Program- Southern California, CA (Project Manager: 2004-2006)
Mr. Jaminet assisted BP ARCO in developing a strategy for addressing compliance with current and anticipated future stormwater requirements at retail service stations in California. The first stage of this process was to describe the current regulatory setting and reasonably foreseeable regulatory developments specific to retail service stations. The second stage was to evaluate various BMPs for applicability, cost and effectiveness relative to service stations. The final stage will be to develop a BMP manual and basic instructional posters/flyers for service station personnel.

VFL ENERGY TECHNOLOGIES, Storm Water Pollution Prevention Plan Preparation- San Diego, CA (Project Manager: 2002)
Mr. Jaminet served as Project Manager in the preparation of a Storm Water Pollution Prevention Plan (SWPPP) for construction of 7 miles of electrical transmission lines in the Imperial Valley. The SWPPP incorporated a variety of BMPs so that the level of stormwater protection practices could be modified based on the risks associated with each area of activity and included a sampling and analysis plan to comply with State Water Resources Control Board Resolution 2001-046 for construction projects.

SDG&E, Spill Prevention, Control and Countermeasure (SPCC) Plans- Southern California, CA (Project Manager: 2001-2006)
Mr. Jaminet served as Senior Project Manager in the preparation of SPCC plans for approximately 165 electrical substations, 13 construction, operations and maintenance facilities, field equipment and generating facilities operated by SDG&E in San Diego, Orange and Imperial Counties. During the initial phase, TRC mobilized four teams to inspect all the substations in six weeks and prepare the SPCC plans in less than 3 months

from authorization to proceed. The scope of work also included a review of all existing oil and spill related procedures, making recommendations for necessary changes at each facility, and a preliminary estimate of implementation costs for budgeting purposes.

ConocoPhillips, Groundwater Assessment and Remediation- Southern California, CA (Senior Project Manager: 1998-Present)
Mr. Jaminet serves as Senior Project Manager directing the work of project managers and staff on approximately 50 active unauthorized release cases at retail gas stations. He oversees the work of geologists, engineers and staff conducting assessment, risk evaluation and remediation activities. Mr. Jaminet frequently communicates with clients, regulators, contractors, and third parties to achieve technical, budgetary and schedule objectives.

SPECIALIZED TRAINING

- Project Manager Training, 1994
- CASQA BMP Workshops, 2003
- Forty-Hour OSHA Health and Safety Training, July 1992
- AEP CEQA Workshops 2002-2005
- First Aid/CPR Training, 2002

PROFESSIONAL AFFILIATIONS

- San Diego Environmental Professionals (SDEP), President
- California Storm Water Quality Association (CASQA)
- Association of Environmental Professionals (AEP)