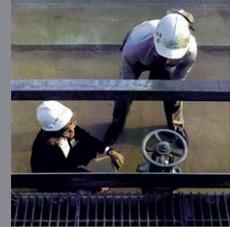


# **APPENDIX I**

## **Phase I Environmental Site Assessment**

Prepared for:  
**Solar Millennium, LLC**  
Berkeley, California



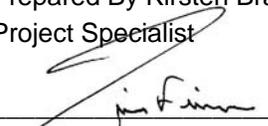
# Phase I Environmental Site Assessment of a Proposed Power Plant Site Located in Kern County, Near Ridgecrest, California

AECOM, Inc.  
June 2009  
Document No.: 12944-003-1500

Prepared for:  
**Solar Millennium, LLC**  
**Berkeley, California**

# Phase I Environmental Site Assessment of a Proposed Power Plant Site Located in Kern County, Near Ridgecrest, California

  
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AECOM, Inc.  
June 2009  
Document No.: 12944-003-1500

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## Executive Summary

AECOM, Inc. (AECOM) was retained by Solar Millennium LLC (Solar Millennium) to perform a Phase I Environmental Site Assessment (ESA) of 3,920 acres of vacant desert located in Kern County, near the city of Ridgecrest, California (subject property). The subject property is administered by the Bureau of Land Management (BLM), Ridgecrest Field Office.

Ms. Kirsten Bradford, Project Specialist with AECOM's Camarillo, California office, conducted a site reconnaissance of accessible areas of the subject property on February 16 and 17, 2009. The subject property is located to the north and south of Brown Road, west of the intersection of Brown Road and U.S. Highway 395, approximately 4.5 miles southwest of the City of Ridgecrest. The subject property is comprised of twelve contiguous parcels of land. The subject property is accessible via Brown Road, which bisects the central portion of the subject property. A railroad right-of-way, West Lund Street, West Catalina Lane, and Calvert Boulevard also provide access to various portions of the subject property. Miscellaneous trash and debris (e.g., household dumping) were observed at various locations throughout the subject property and surrounding area. The majority of the subject property is covered by desert scrub. Dry desert washes traverse the subject property generally from the southeast to the northwest. A rocky knoll, located on the subject property northwest of the intersection of U.S. Highway 395 and Brown Road is frequently utilized by the public as a recreational destination (e.g. day uses such as picnics, off-roading). A former Southern Pacific Rail Road (SPRR) right-of-way is located in the western portion of the subject property. The rail road ties and tracks have been removed, but the right-of-way remains, and includes raised berms, bridges, and storm water conveyances. An overhead power transmission right-of-way traverses the western portion of the subject property. During the site visit, no discolored soil, water, unusual vegetative conditions, staining or visual evidence of hazardous materials release was observed. In addition, no visual evidence of groundwater monitoring wells, clarifiers, or dry wells was observed on the subject property; however, a topographic map from 1953 depicts a water well located in the southwestern portion of the subject property. AECOM located the well on April 23, 2009. The well appears to have been a former stock well.

The subject property is bordered to the north by undeveloped desert land. U.S. Highway 395 passes through the northern portions of the subject property. The subject property is bordered to the south and west by portions of the railroad right-of-way, beyond which is undeveloped desert land (higher elevation areas/hills). The southeastern portion of the subject property is surrounded by a residential property that occupies all of Section 36 within Township 27S Range 39E. Brown Road bisects the central portion of the subject property. The far western portion of the subject property is situated near the intersection of Brown Road and Wiknich Street to the northwest of the subject property boundary, beyond which is the Ridgecrest Gun Club. The northwestern portion of the subject property is bordered to the west by Calvert Boulevard, beyond which are residential properties. The subject property is bordered to the northeast by residential properties. The intersection of U.S. Highway 395 and Brown Road is located along the eastern boundary of the subject property, beyond which is the Rademacher Mining District area.

A burn dump identified during this assessment as the Ridgecrest #1 BD (Burn Dump) is located approximately 550 feet south of the subject property (approximately 550 feet southwest of the intersection of U.S. Highway 395 and Brown Road) on an adjacent site. According to information provided by Mr. Bill O'Rullian with Kern County Environmental Health Services Department (KCEHSD), Supervisor of the county's Solid Waste Program, the site was an old burn dump that received municipal waste from the surrounding towns prior to the 1970s. Mr. O'Rullian stated that burn dump residues characteristically show elevated heavy metals (e.g. lead, cadmium, zinc, copper), but that groundwater was not likely to be affected because the depth to groundwater in that area is approximately 100-200 feet below ground surface (bgs). AECOM has identified groundwater in the area of the subject property to range from approximately 250 to 500 feet bgs. Based on AECOM's site reconnaissance, the adjacent site appeared to contain burned debris including pieces of glass, plaster, brick, ceramic, and metal; and some tires. Based on AECOM's research

and the burn dump's regulatory status (e.g., soil contamination only), the adjacent site is not expected to present a concern to the subject property.

AECOM performed a Phase I ESA of the subject property in conformance with the scope and limitations of ASTM Practice E 1527-05, which meets the requirements of 40 CFR Part 312 and is intended to constitute all appropriate inquiry for purposes of the landowner liability protections (LLPs). No physical environmental sampling was performed (none was necessary or warranted in light of the investigation). Any exceptions to, or deletions from, this practice are described in Section 1.4 and 1.5 of this report. Additional services included in this ESA are described in Section 1.2 of this report.

Based on the above-described activities, no recognized environmental concerns (RECs) or historical RECs were identified in connection with the subject property. Miscellaneous trash and debris (e.g., household dumping) were observed at various locations throughout the subject property and surrounding area. However, no hazardous waste was observed on the subject property during AECOM's site visit.

The following other (non-ASTM) environmental concerns were identified in connection with the subject property:

- During the timeframe of this assessment, AECOM environmental permitting personnel identified unexploded ordnance (UXO) on the subject property, south of Brown Road. Historical information indicates that the subject property is located approximately 10 miles south of the United States historic Naval Ordnance Test Station (NOTS), a present-day Naval Weapons Test Center associated with China Lake. It has been AECOM's experience, that when encountered, it is uncommon for WWII-era UXO to impact the subsurface with hazardous materials due in part to their age, and the arid nature of the deserts of Southern California. It is therefore, AECOM's opinion that UXO does not present an REC to the subject property. However, if encountered and after being safely removed, AECOM recommends that the soil in the vicinity of the UXO be visually evaluated for evidence of a hazardous materials release, and said release (if any) should be evaluated through laboratory analysis and remediated (if necessary).

On the basis of the findings described above, AECOM recommends the following:

- The potential presence of unexploded ordnance (UXO) should be investigated through the use of geophysical surveys performed by a company with specific expertise in identifying UXO. Remnants of munitions or bullets identified during development of the subject property should be segregated and disposed in accordance with current regulations. Prior to development, the subject property where UXO are identified should be subjected to a thorough survey and removal in accordance with current regulations.
- A topographic map from 1953 depicts a water well located in the southwestern portion of the subject property on (assessor parcel number (APN) 341-110-05). According to KCEHSD, there is no record for the subject property parcel for an onsite water well; however, AECOM located the well on April 23, 2009, AECOM recommends that the well be properly abandoned by the property owner in accordance with Kern County and State of California Department of Water Resources requirements.

## 1.0 INTRODUCTION

### 1.1 Preface

The purpose of this Phase I Environmental Site Assessment (ESA) was to evaluate the current and historical conditions of the subject property in accordance with ASTM Practice E 1527-05, in an effort to identify recognized environmental conditions (RECs) in connection with the subject property.

A REC is defined by ASTM as "[t]he presence of 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 even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies."

The identification of RECs in connection with the subject property may impose an environmental liability on owners or operators of the subject property, reduce the value of the subject property, or restrict the use or marketability of the subject property. For this reason, any identified RECs may warrant further investigation to evaluate the scope and extent of potential environmental liabilities associated with the RECs.

### 1.2 Objectives and Scope of Work

This Phase I ESA was conducted to assist in the identification and evaluation of potential environmental liabilities materially affecting the subject property. This Phase I ESA was completed to support the preparation of an Application for Certification (AFC) to be submitted to the California Energy Commission (CEC), and prepared under a Task Order contract signed by Solar Millennium LLC, between Solar Millennium LLC and AECOM on December 4, 2008. AECOM's scope of work for the AFC was also dated December 4, 2008. Assumptions and limitations to this assessment are presented in Sections 1.3, 1.4, and 1.5 of this report.

### 1.3 Significant Assumptions

Specific site description information included as part of this ESA was obtained from additional sources of information/reports that were prepared in support of the AFC, and was assumed to be the most current and accurate project information. Groundwater flow direction was inferred based on topographic features. No other significant assumptions relative to this Phase I ESA were made.

### 1.4 Study Limitations

This report describes the results of AECOM's due diligence assessment to identify the presence of environmental liabilities materially affecting the subject facility and/or property. In conducting this due diligence evaluation, AECOM assessed the presence of such problems within the limits of the established scope of work.

In conducting this due diligence investigation, AECOM has attempted to independently assess the presence of such problems within the limits of the established scope of work as described in our proposal. As with any due diligence evaluation, there is a certain degree of dependence upon oral information provided by facility or site representatives that is not readily verifiable through visual observations or supported by any available written documentation. AECOM shall not be held responsible for conditions or consequences

arising from relevant facts that were concealed, withheld, or not fully disclosed by facility or site representatives at the time this assessment was performed. In addition, the findings in the Report are subject to certain conditions and assumptions. The conditions and assumptions are noted in the Report, and any party reviewing the findings of the Report must carefully review and consider all such conditions and assumptions.

This report and all field data and notes were gathered and/or prepared by AECOM in accordance with the agreed upon scope of work and generally accepted engineering and scientific practice in effect at the time of AECOM's assessment of the subject property. The statements, conclusions, and opinions contained in this report are only intended to give approximations of the environmental conditions at the subject property.

This report is prepared pursuant to an agreement between the client and AECOM and is for the exclusive use of the client. No other party is entitled to rely on the conclusions, observations, specifications, or data contained herein without first obtaining AECOM's written consent and provided any such party signs an AECOM generated Reliance Letter. A third party's signing of the AECOM Reliance Letter and AECOM's written consent are conditions precedent to any additional use or reliance on this report.

The passage of time may result in changes in technology, economic conditions, site variations, or regulatory provisions which would render the report inaccurate. Reliance on the report after the date of issuance as an accurate representation of current site conditions shall be at the user's (Solar Millennium's) sole risk.

Per the ASTM Standard, historical research is complete when either: 1) the objectives in Sections 8.3.1 through 8.3.2.2 are achieved; or 2) data failure is encountered. Specific data failures/data gaps encountered during the assessment are discussed, as appropriate, throughout this report. A list of the data failures and/or data gaps and an evaluation of their significance is provided in Section 8.0 of this report.

## **1.5 Site Specific Limitations**

AECOM reviewed the regulatory database, historical topographic maps, and historical aerial photographs provided by Environmental Data Resources, Inc. in order to identify potential "red flag" areas in which to concentrate the on-site reconnaissance efforts. The weather at the time of the site visit was rainy/snowy wet conditions and temperatures in the forties (40-49 °F). A four wheel drive vehicle was not available for use during the site visit. AECOM performed a windshield survey around the perimeter and accessible subject property areas. Because not all portions of the subject property were viewed during the site visit due to the weather and access limitations (e.g., unpaved roads), this limitation is considered to present a limitation to this assessment. However, based on AECOM's historical research, this limitation is not considered to materially alter the conclusions or recommendations of this report. No other significant limitations were encountered during the course of this assessment.

## **1.6 Reliance**

This report, including all supporting field data and notes (collectively referred to hereinafter as "information"), was prepared or collected by AECOM for the benefit of its client, Solar Millennium (hereinafter referred to as "client"). AECOM's client may release the information to third parties, who may use and rely upon the information at their discretion. However, any use of or reliance upon the information by a party other than specifically named above shall be solely at the risk of such third party and without legal recourse against AECOM, its parent or its subsidiaries and affiliates, or their respective employees, officers or directors, regardless of whether the action in which recovery of damages is sought is based upon contract, tort (including the sole, concurrent or other negligence and strict liability of AECOM), statute or otherwise. This information shall not be used or relied upon by a party that does not agree to be bound by the above statements.

## 1.7 Environmental Professional Statement

I declare that, to the best of my professional knowledge and belief, I meet the definition of an Environmental Professional as defined in § 312.10 of 40 CFR Part 312 and 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 the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Name: Kirsten Bradford

Title: Project Specialist

Signature: 

Date: June 8, 2009

## 2.0 SITE DESCRIPTION AND HISTORY

### 2.1 Property Location

The subject property is located in Kern County, California, near the city of Ridgecrest, and consists of 3,920 acres of land administered by the Bureau of Land Management (BLM), Ridgecrest Field Office. The subject property is located to the north and south of Brown Road, west of the intersection of Brown Road and U.S. Highway 395, approximately 4.5 miles southwest of the City of Ridgecrest. The subject property BLM description states that it is on public land, BLM ROW # CACA 49016, in Township 28 South, Range 39 East; and Township 27 South, Range 39 East.

**Table 2-1 Summary Legal Description of Parcels within the Plant Site Boundary**

341-091-08	341-091-10	341-091-11
341-110-01	341-110-02	341-110-03
341-110-05	341-110-06	097-070-02
Source: Kern County Assessor's Office		

Figure 1 provides a Site Location Map.

### 2.2 Current Use of the Subject Property

The subject property is an irregular-shaped parcel comprised of twelve contiguous parcels of land, totaling 3,920 acres, administered by the BLM, Ridgecrest Field Office.

The subject property is accessible via Brown Road, which bisects the central portion of the subject property. A railroad right-of-way, West Lund Street, West Catalina Lane, and Calvert Boulevard also provide access to various portions of the subject property. Miscellaneous trash and debris (e.g., household dumping, trash associated with recreational activity) were observed at various locations throughout the subject property and surrounding area. According to the BLM, Ridgecrest Field Office, miscellaneous trash and debris including targets, casings, general household refuse and occasionally large items such as refrigerators, bed frames, televisions, and couches have been dumped on the subject property, and great amounts of broken glass are located near the railroad right-of-way. This is consistent with the type of trash and debris that AECOM observed at the subject property during the site visit. According to the BLM, cleanups of miscellaneous trash and debris have occurred on the subject property.

The majority of the subject property is covered by desert scrub. Dry desert washes traverse the subject property generally from the southeast to the northwest. A rocky knoll, located on the subject property northwest of the intersection of U.S. Highway 395 and Brown Road, is frequently utilized by the public as a recreational destination. According to the BLM, Ridgecrest Field Office, known uses of the subject property include horseback riding, running, mountain biking, motorcycle riding, utility vehicle riding, rockhounding (gem and mineral collecting), camping (campfires have been observed in the rocky knoll), reptile watching, hunting (upland game including quail, dove, rabbits, coyotes), target shooting, bird watching, and wildflower viewing. According to BLM, the majority of the activity occurs south of Brown Road with activities occurring on a daily basis. BLM has permitted events on the subject property including horseback riding, motorized touring, filming on Brown Road, and sheep grazing.

A former Southern Pacific Rail Road (SPRR) right-of-way is located in the western portion of the subject property. The rail road ties and tracks have been removed, but the right-of-way remains, and includes raised berms, bridges, and storm water conveyances.

An overhead power transmission right-of-way traverses the western portion of the subject property.

During the site visit no visual evidence of groundwater monitoring wells, clarifiers, or dry wells, were observed on the subject property. A topographic map from 1953 depicts a water well located in the southwestern portion of the subject property on APN 341-110-05. According to KCEHSD, there is no record for the subject property parcel for an onsite water well; however, AECOM located the well on April 23, 2009. The well appears to have been a former stock well. This well is no longer in use and has been filled with rocks. See also Section 7.2.1. In addition, no discolored soil, water, unusual vegetative conditions, staining or visual evidence of hazardous materials release were observed at the time of AECOM's site visit.

**Figure 2** provides a Site Plan. Representative site photographs are attached as **Appendix A**.

### **2.3 Descriptions of Structures**

No buildings or structures were identified or observed on the subject property during AECOM's site visit, other than the infrastructure associated with the former railroad right-of-way (e.g., bridges, storm water conveyances) and the overhead power transmission right-of-way. A topographic map from 1953 depicts a water well located in the southwestern portion of the subject property (see Section 2.7).

### **2.4 Utilities**

No utilities service the subject property. However, as noted in Section 2.2, an overhead power transmission right-of-way traverses the western portion of the subject property.

### **2.5 Current Use of Adjoining Properties**

The subject property is bordered to the north by undeveloped desert land. U.S. Highway 395 passes through the northern portions of the subject property. The subject property is bordered to the northeast by residential properties.

The intersection of U.S. Highway 395 and Brown Road is located along the eastern boundary of the subject property, beyond which is the Rademacher Mining District area.

A burn dump identified during this assessment as the Ridgecrest #1 BD (Burn Dump) is located approximately 550 feet south of the subject property (approximately 550 feet southwest of the intersection of U.S. Highway 395 and Brown Road) (see Section 7.1). The subject property is bordered to the south and west by portions of the railroad right-of-way, beyond which is undeveloped desert land (higher elevation areas/hills).

The southeastern portion of the subject property is surrounded by a residential property that occupies all of Section 36 within Township 27S Range 39E.

Brown Road bisects the central portion of the subject property. The far western portion of the subject property is situated near the intersection of Brown Road and Wiknich Street to the northwest of the subject property boundary, beyond which is the Ridgecrest Gun Club. The northwestern portion of the subject property is bordered to the west by Calvert Boulevard, beyond which are residential properties.

No evidence of potential contamination of the subject property from current activities at the adjacent sites was observed during the site visit. However, see Section 7.1 for a discussion of a potential off-site concern identified as part of this ESA.

## 2.6 Previous Environmental Reports

No previously prepared environmental reports were provided for AECOM's review, or were identified as part of this ESA.

## 2.7 Historical Use Information on the Property and Adjacent Sites

The following site history was prepared based on a review of aerial photographs dated 1952, 1984, and 1994, and of historical topographic maps dated 1915, 1943, 1947/1953, and 1972/1973. These photographs and maps and information were provided by EDR. Additional historical information was provided by the owner of the subject property, the BLM, Ridgecrest Field Office and discovered in online research.

According to the BLM, Ridgecrest Field Office, the subject property has been public domain since 1847 (Treaty of Guadalupe) through the present. According to the BLM, the area was homesteading land from 1862 to 1937. BLM became 'attached' to the land in 1946.

Historical research indicates that in 1908 railroad activity on the subject property supported the construction of the Los Angeles Aqueduct which is located approximately 10 miles west of the subject property. In 1909, homesteaders arrived in the Indian Wells Valley as aqueduct construction continued. By 1910, the old stage and freight roads traversing the valley had become well traveled highways. Cars came with the aqueduct construction personnel. When aqueduct construction was completed in 1913, it included over 12 miles of steel pipe siphons, 142 tunnels (mostly through the Sierra west of the Indian Wells Valley), and 2 major reservoirs (upper and lower Haiwee). Sidings and 53 construction camps were eventually used. Those sidings in the Indian Wells Valley included Terese (Siding 16), which was changed to Magnolia and, in 1913, to Inyokern, and Siding 18, which was changed to Brown in 1909.

The Terese siding (Siding 16), as described above, is depicted along the western border of the subject property in the 1915 topographic map reviewed by AECOM. U.S. Highway 395 as it is configured today was not yet developed. In the 1915 topographic map, U.S. Highway 395 is depicted as the present day Brown Road. A road traveling from Freeman is depicted traversing the subject property, connecting with U.S. Highway 395 (presently Brown Road). No structures are depicted on or near the subject property in the 1915 topographic map.

In the 1943 and 1947/1953 topographic maps reviewed by AECOM, the power transmission lines that traverse the subject property are depicted. The power transmission lines also are shown in the 1952 aerial photograph. According to the BLM, Ridgecrest Field Office, a telephone line historically ran through the subject property. The 1943 and 1947/1953 maps depict an additional unimproved road running from Hwy 395 (presently Brown Road) through the subject property to the transmission line right-of-way. The 1953 topographic map depicts the Terese Siding, located along the western border of the subject property, as the SPRR. The railroad right-of-way is shown in the 1952 aerial photograph. Residential properties situated east of the subject property, along China Lake Boulevard, are depicted in the 1953 topographic map, and are shown adjacent to the east of the subject property in the 1952 aerial photograph.

The Rademacher Mining District area is depicted in the 1953 map east of China Lake Boulevard and south of the SPRR right-of-way. Prospects, mine shafts, quarries or open pit mines, and mine tunnels or cave entrances are depicted throughout the Rademacher Mining District area. The Rademacher mine is depicted in the 1953 topographic map located approximately 1 mile east of the subject property.

The 1953 topographic map also depicts a water well located in the southwestern portion of the subject property in Township 27S Range 39E Section 35 (APN 341-110-05) (see Section 7.2.1).

The 1972 topographic map reviewed by AECOM depicts the SPRR along the western border of the subject property. It depicts numerous unimproved roads traversing the subject property. The existing configurations of Brown Road and U.S. Highway 395 are depicted. Five mining prospects are depicted in the area of the rocky knoll on the subject property, located northwest of the intersection of U.S. Highway 395 and Brown Road. According to the BLM, mining claims are located at the subject property. According to the BLM, there have been no successful mining activities in the past, but prospecting has occurred on the subject property. Residential properties are depicted adjacent to the east of the subject property, and adjacent to the west of the subject property, situated along Calvert Boulevard.

According to the BLM, the railroad associated with the onsite railroad right-of-way, originally constructed to support construction of the Los Angeles aqueduct, stopped operating in approximately the early 1980s, and the railroad tracks were removed in the late 1990s. The 1984 and 1994 aerial photographs show the conditions and use of the subject property and adjacent areas to be similar to how they were observed during AECOM's site reconnaissance.

## **3.0 PHYSIOGRAPHY, GEOLOGY, AND HYDROGEOLOGY**

### **3.1 Physiography**

Based on AECOM's review of the U.S. Geological Survey (USGS) topographic map covering the subject property (Inyokern SE and Ridgecrest South quadrangles), the subject property ranges from approximately 2,950 feet above mean sea level (amsl) in the southeastern portion of the site down to approximately 2,580 feet amsl in the northern portion of the site.

### **3.2 Geology**

According to review of a geologic map of California, the subject property is comprised mainly of alluvium from the Pleistocene age. Additionally, Pleistocene volcanic basalt is located in western portions of the subject property, and Mesozoic granite rocks are located in eastern portions of the subject property.

### **3.3 Hydrogeology**

According to the Department of Water Resources' California's Groundwater (Bulletin 118) Update 2003, the subject property is located within the South Lahonton Hydrologic Region, in the Indian Wells Valley Basin. The topographic gradient of the subject property is downward toward the northwest. China and Salt Wells Valley dry lakes are located approximately 10 miles northeast of the subject property.

Based on this information, groundwater beneath the subject property is anticipated to generally flow in a northwesterly direction. Site-specific depth to groundwater information was not identified during the course of this assessment. However, based on AECOM's experience in this area, groundwater is anticipated to first be encountered at depths greater than 100 feet below ground surface (bgs).

## **4.0 USER PROVIDED INFORMATION**

Section 6 of the ASTM Standard states that certain tasks, which will help to determine the possibility of RECs associated with the subject property, are generally conducted by the ESA report user (Solar Millennium). This includes the following: reviewing title records for environmental liens, or activity and land use limitations, and considering awareness of any specialized knowledge (e.g., information about previous ownership or environmental litigation), experience related to RECs at the subject property, or significant reduction in the purchase price of the subject property. Per the agreed scope-of-work, information related to these items should be provided by the ESA report user to AECOM.

### **4.1 Title Records/Environmental Liens**

Per the agreed upon scope of work, lien searches were not performed as a part of this assessment. However, other than the information discussed as appropriate in this report, the user did not provide information concerning any environmental concerns associated with title records, nor was the user aware of environmental liens on the subject property. According to the BLM, Ridgecrest Field Office, no environmental liens exist on any of the subject property parcels.

### **4.2 Specialized Knowledge/Value Reduction Issues**

The user, Solar Millennium, had no specialized knowledge pertaining to the subject property, nor was the user aware of property valuation reduction issues for the subject property.

### **4.3 Reason for Performing the Assessment**

AECOM was authorized by Solar Millennium to perform this Phase I ESA of the subject property as part of a potential lease agreement.

### **4.4 Other**

Other than the documentation discussed in this report, the user, Solar Millennium, was not aware of any additional information relative to the subject property.

## **5.0 INTERVIEWS**

### **5.1 Interview with Current Subject Property Owner**

Interviews with select government agencies was conducted as appropriate, information of which is incorporated, where appropriate, throughout this report.

### **5.2 Interview with Past Owners, Operators and Occupants**

Per the ASTM Phase I standard, interviews with past owners, operators, and occupants of the subject property, who are likely to have material information regarding the potential for contamination at the subject property, shall be conducted to the extent that they can be identified and that the information likely to be obtained is not duplicative of information already obtained from other sources. AECOM obtained historical information from aerial photographs and topographic maps, which showed that the subject property consistently has been predominately undeveloped desert land. Historical on-site use has included railroad and power transmission right-of-ways, unimproved roadways, mining prospects, and public recreation/access. However, based on AECOM's historic research and because interviews with past owners (e.g. homesteaders, railroad, each as discussed in Section 2.7) of the subject property were likely to provide duplicative information, past owners were not contacted. This data gap is not expected to represent a significant limitation to this investigation.

### **5.3 Interview with Government Agencies**

Interviews with select government agencies was conducted as appropriate, information of which is incorporated, where appropriate, throughout this report (see Section 7.2).

## 6.0 SITE RECONNAISSANCE

### 6.1 Introduction

Ms. Kirsten Bradford, AECOM Project Specialist, conducted a site reconnaissance of accessible areas on the subject property on February 16 and 17, 2009. Ms. Bradford was accompanied by Ms. Stefanie Smith, AECOM Staff Specialist II, during the site reconnaissance. The weather at the time of the site visit was rainy/snowy wet conditions and a temperature in the forties (40-49° F).

AECOM's objectives were to visually inspect the area for potential evidence of subject property contamination and the presence of hazardous or regulated substances. AECOM accomplished these objectives through a site reconnaissance (visual observation), interviews, and record reviews. The site reconnaissance methodology consisted of walking through portions of the subject property, with particular focus being areas of dumping/garbage and debris, and driving the perimeter of the subject property and selected portions of the interior of the subject property, including the railroad right-of-way, Brown Road, U.S. Highway 395, West Lund Street, West Catalina Lane, and Calvert Boulevard. Field binoculars were used during the course of the assessment to ensure that significant site features were visually evaluated. AECOM also performed a "windshield survey" of accessible nearby properties.

The following sections provide information on the subject property relative to the generation, use, and disposal of hazardous and non-hazardous materials; above and underground storage tanks; PCB-containing equipment; water resources, including wastewater discharges and potable water usage; and herbicide and pesticide usage.

### 6.2 Oil and Hazardous Materials

AECOM did not observe evidence of the use or storage of hazardous materials on the subject property.

### 6.3 Hazardous and Solid Wastes

As noted in Section 2.2, miscellaneous trash and debris (e.g., household dumping) were observed at various locations throughout the subject property and surrounding area during the site visit, the approximate locations of which are illustrated on Figure 2. No hazardous waste was observed on the subject property during AECOM's site visit.

### 6.4 Underground Storage Tanks (USTs)

No evidence of USTs (e.g., vent pipes, fill ports) were observed at the subject property during the property visit. No records of potential USTs were discovered during the ESA activities.

### 6.5 Aboveground Storage Tanks (ASTs)

No ASTs were observed at the subject property during the property visit.

### 6.6 Polychlorinated Biphenyl (PCB)-Containing Equipment

For informational purposes, PCB-containing dielectric fluids have been widely used as coolants and lubricants in transformers, capacitors, and other electric equipment due to their insulating and nonflammable

properties. No transformers or PCB-containing equipment were observed at the subject property during the property visit.

During the site visit, no PCB-containing equipment (e.g., pole-mounted transformers) were observed at the subject property.

## **6.7 Water**

### **6.7.1 Potable Water**

No potable water is supplied to the subject property. As noted in Section 2.3 and discussed in Section 2.7, a topographic map from 1953 depicts a water well located in the southwestern portion of the subject property. This well is no longer in use and has been filled with rocks. See Section 7.2.1 for detail.

### **6.7.2 Wastewater**

No wastewater is generated at the subject property.

### **6.7.3 Storm water**

Based on AECOM's site visit and a review of the topographic maps of the subject property area, storm water is generally anticipated to flow in a northwesterly direction or infiltrate into the ground. AECOM observed dry desert washes traversing the subject property generally from the southeast to the northwest. Additionally, on-site storm water conveyances were observed directing storm water from the western side of the railroad right-of-way to the east side of the right-of-way.

## **6.8 Herbicide and Pesticide Use**

No evidence of fertilizer, herbicide, or pesticide use at the subject property was identified.

## **6.9 Surface Staining/Stressed Vegetation/Debris**

No areas of stressed vegetation or staining were observed during AECOM's site reconnaissance. As noted in Sections 2.2 and 6.3, miscellaneous trash and debris (e.g., household dumping) were observed at various locations throughout the subject property and surrounding area during the site visit. However, no hazardous waste was observed on the subject property during AECOM's site visit.

## 7.0 RECORDS REVIEW

### 7.1 Federal and State Database Review

Standard environmental record sources are defined in Section 8.2.1 of the ASTM standard. These records consist of selected federal and state environmental databases. ASTM also specifies the appropriate search distances from the subject property for which these records should be reviewed. AECOM retained the services of Environmental Data Resources (EDR) of Milford, Connecticut to provide specified state and federal regulatory list information for potential sites of environmental concern located at or in the vicinity of the subject property. EDR maintains a computerized Geographic Information System (GIS) listing of various state and federal databases in accordance with the ASTM standard. The database search was based upon ASTM-specified standard record sources. Additionally, databases searched by EDR satisfy records review requirements of the all appropriate inquiry rule. EDR includes these databases, when available, as a part of its report. Descriptions of each database are provided in Part GR-1 of the EDR database report, which is attached to this assessment report.

The EDR report includes various reports detailing database information for each of the sites identified/geocoded within the specified radius. Additional sites with recognized environmental risks were identified, but AECOM was not able to map them to specific locations due to insufficient/contradicting address information. These sites were included in EDR's report as "orphan" sites.

The following is a summary of the findings from the database review:

#### **Subject Property**

One environmental database listing was identified in the EDR report in association with the subject property. The listing is a CHMIRS (California Hazardous Material Incident Report System) listing reported by the California Office of Emergency Services (OES) as a hazardous materials incident (e.g., accidental releases or spills). According to information provided in the EDR report, the incident occurred in 1989 and is plotted as having occurred on the subject property, in the dirt parking/driveway area located adjacent to the south of Brown Road, approximately 550 feet southwest of the intersection of U.S. Highway 395 and Brown Road. More than two substances were reportedly involved. The OES incident number is identified as 8910150. No evidence of a hazardous materials release was observed in the dirt parking/driveway area during AECOM's site reconnaissance. Because the incident occurred 20 years ago, and because the listing is not associated with another contamination-related listing (open case and/or cleanup investigation), this listing does not represent a REC at the subject property.

#### **Adjacent Properties**

One adjacent site was identified in the EDR report as a SWF/LF (solid waste facilities/landfill sites) listing reported as part of the Integrated Waste Management Board's (IWMB) Solid Waste Information System (SWIS) database. According to information provided in the EDR report and the Kern County Environmental Health Services Department (KCEHSD), the site is identified as Ridgecrest #1 BD (Burn Dump). The site is located approximately 550 feet south of the subject property (approximately ¼-mile south of the dirt parking/driveway area located adjacent to the south of Brown Road, approximately 550 feet southwest of the intersection of U.S. Highway 395 and Brown Road). The site is listed in the EDR report as having been closed in 1969 (when all burn dump sites were closed with the enactment of no burn laws). The site is listed as a solid waste disposal site that was 3.7 acres in size and was owned by the US Department of the Interior, BLM of Ridgecrest, California. The site was operated by County of Kern Waste Management Department of Bakersfield, California. The accepted waste was not reported; however, according to information provided by Mr. Bill O'Rullian with KCEHSD, Supervisor of their Solid Waste Program, the site was an old burn dump that received municipal waste from the surrounding towns prior to the 1970s. Mr.

O'Rullian stated that burn dump residues characteristically show elevated heavy metals (e.g. lead, cadmium, zinc, copper), but that groundwater was not likely to be affected because the depth to groundwater in the area is approximately 100-200 feet bgs. AECOM has identified groundwater in the area of the subject property to range from approximately 250 to 500 feet bgs. Based on AECOM's site reconnaissance, the site appeared to contain burned debris including pieces of glass, plaster, brick, ceramic, and metal; and some tires. However, based on AECOM's research and the fact that soil was the only media potentially impacted by the burn dump, it is AECOM's opinion that the adjacent site is not an environmental concern to the subject property.

### **Additional ASTM Listings**

Based on AECOM's research, the listings/sites regulatory status, and/or site distance from the subject property, the remaining sites (orphan listings only) are not expected to present a concern to the subject property.

## **7.2 Agency review**

### **7.2.1 Kern County Environmental Health Services Department**

AECOM submitted a Freedom of Information Act (FOIA) request to Kern County Environmental Health Services Department (KCEHSD) (the Certified Unified Program Agency, "CUPA") to determine if the Department has files related to ASTs, USTs, hazardous waste treatment, hazardous waste generators, hazardous materials management and response plans associated with the subject property, or a historical hazardous materials release that may have occurred at the subject property.

For the 1989 CHMIRS listing identified in association with the subject property (refer back to section 7.1), KCEHSD was unable to locate any matching information based on a search they conducted of their database. Mr. Bill O'Rullian, Supervisor of the KCEHSD Solid Waste Program, confirmed the location of the Ridgecrest #1 BD site located approximately 550 feet south of the subject property (refer back to section 7.1). According to KCEHSD, based on a search of their records, no other information was identified for the subject property.

KCEHSD has records on file back to approximately 1972. According to Ms. Amy Rutledge with KCEHSD, there is no record for the subject property (APN 341-110-05) for an onsite water well; however, AECOM located the well on April 23, 2009. The well appears to have been a former stock well, likely for cattle and fitted with a windmill to provide water for a stock pond. AECOM recommends that the well be properly abandoned in accordance with Kern County and State of California Department of Water Resources requirements.

### **7.2.2 Department of Toxic Substances Control**

AECOM searched the Department of Toxic Substances Control (DTSC) online EnviroStor database for California Cleanup Sites involving the DTSC. The EnviroStor database consists of federal NPL sites, state response sites, voluntary cleanup sites, and school cleanup sites. No records were found for the subject property, and no sites of concern were identified in the surrounding area, within an approximate one-mile radius of the subject property.

### **7.2.3 State Water Resources Control Board**

AECOM conducted a records search regarding the subject property on the California Environmental Protection Agency's State Water Resources Control Board online Geotracker database. The Geotracker database includes contaminated property investigations consisting of leaking underground storage tanks (LUST); spills, leaks, investigations and cleanup (SLIC); Land Disposal; Department of Defense (DOD); non-UST; wells; and USTs at sites throughout California. No records were found for the subject property,

and no sites of concern were identified in the surrounding area, within an approximate one-mile radius of the subject property.

#### **7.2.4 United States Environmental Protection Agency**

AECOM searched the US EPA's Enforcement & Compliance History Online (ECHO) and online Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) databases. The ECHO database consists of US EPA compliance history at a site. The CERCLIS database consists of sites being assessed under the Superfund program (NPL sites), hazardous waste sites, and potential hazardous waste sites. No records were found for the subject property, and no sites of concern were identified in the surrounding area, within an approximate one-mile radius of the subject property.

## 8.0 CONCLUSIONS AND RECOMMENDATIONS

AECOM performed a Phase I ESA of the subject property in conformance with the scope and limitations of ASTM Practice E 1527-05, which meets the requirements of 40 CFR Part 312 and is intended to constitute all appropriate inquiry for purposes of the landowner liability protections (LLPs). No physical environmental sampling was performed, as none appeared to be necessary or warranted. Any exceptions to, or deletions from, this practice are described in Sections 1.4 and 1.5 of this report. Additional services included in this ESA are described in Section 1.2 of this report.

Per the ASTM standard, potential findings can include RECs, including HRECs and de minimis conditions. A REC signifies the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. HRECs are generally conditions that in the past have been remediated to the satisfaction of the responsible regulatory agency. De minimis conditions are those situations that do not present a material risk of harm to public health or the environment and generally would not be subject to enforcement action if brought to the attention of the regulating authority.

### 8.1 RECs

Based on the above-described activities and conditions, no RECs were identified in connection with the subject property.

### 8.2 HRECs

Based on the above-described activities and conditions, no HRECs were identified in connection with the subject property.

### 8.3 De minimis

Miscellaneous trash and debris (e.g., household dumping) was observed at various locations throughout the subject property and surrounding area. However, no hazardous waste was observed on the subject property during AECOM's site visit.

### 8.4 Other Environmental Concerns

The following other (non-ASTM) environmental concerns were identified in connection with the subject property:

- During the timeframe of this assessment, AECOM environmental permitting personnel identified unexploded ordnance (UXO) on the subject property, south of Brown Road. Historical information indicates that the subject property is located approximately 10 miles south of the United States historic Naval Ordnance Test Station (NOTS), the present-day China Lake Naval Weapons Center. It has been AECOM's experience, that when encountered, it is uncommon for WWII era UXO to impact the subsurface with hazardous materials due in part to their age, and the arid nature of the deserts of Southern California. It is therefore, AECOM's opinion that UXO does not present an REC to the subject property. However, if encountered and after being safely removed, AECOM recommends that the soil in the vicinity of the UXO be visually evaluated for evidence of a

hazardous materials release, and said release (if any) should be evaluated through laboratory analysis and remediated (if necessary).

## **8.5 Data Failures / Data Gaps**

No data failures/data gaps were encountered during the course of this assessment.

## **8.6 Recommendations**

On the basis of the findings described above, AECOM recommends the following:

- The potential presence of unexploded ordnance (UXO) should be investigated through the use of geophysical surveys performed by a company with specific expertise in identifying UXO. Remnants of munitions or bullets identified during development of the subject property should be segregated and disposed in accordance with current regulations. Prior to development, the subject property where UXO are identified should be subjected to a thorough survey and removal in accordance with current regulations.
- A topographic map from 1953 depicts a water well located in the southwestern portion of the subject property on APN 341-110-05. According to KCEHSD, there is no record for the subject property parcel for an onsite water well; however, AECOM located the well on April 23, 2009. AECOM recommends that the well be properly abandoned by the property owner in accordance with Kern County and State of California Department of Water Resources requirements.

## 9.0 REFERENCES

### 9.1 Persons Performing the Site Assessment

Kirsten Bradford, Project Specialist, AECOM - Camarillo, CA, (805) 388-3775; conducted the site visit, site history research, and prepared the report (environmental professional qualifications are attached).

Jim Fickerson, AECOM, Camarillo, California, 805-388-3775; quality assurance review (environmental professional qualifications are attached).

### 9.2 Persons Interviewed

Bill O'Rullian, Supervisor Solid Waste Program, Kern County Environmental Health Services Department, Bakersfield Office, (661) 862-8731.

Amy Rutledge, Water Well & Small Water System Programs, Kern County Environmental Health Services Department, Bakersfield Office, (661) 862-8700, <http://www.co.kern.ca.us/eh/default.asp?p=waterwells>

Bureau of Land Management (BLM), Ridgecrest Field Office (subject property owner), responses to questions received from the June 1, 2009 meeting that included eight BLM representatives in attendance.

### 9.3 Reports and Documents Reviewed

Bureau of Land Management (BLM) (subject property owner), Ridgecrest, general site area information, retrieved online at <http://www.blm.gov/ca/st/en/fo/ridgecrest.html>

California Environmental Protection Agency's State Water Resources Control Board (SWRCB), online Geotracker database search conducted at <http://www.geotracker.swrcb.ca.gov/>

Department of Toxic Substances Control, online EnviroStor database search conducted at <http://www.envirostor.dtsc.ca.gov/public/>

Department of Water Resources' California's Groundwater (Bulletin 118) Update 2003, hydrologic region and basin information, retrieved online at [http://www.waterboards.ca.gov/lahtontan/water\\_issues/programs/basin\\_plan/references.shtml](http://www.waterboards.ca.gov/lahtontan/water_issues/programs/basin_plan/references.shtml)

The EDR Aerial Photo Decade Package, Ridgecrest, California 93555, Inquiry Number 02414955.1, including aerial photographs dated 1952, 1984, and 1994, February 13, 2009, Environmental Data Resources, Inc., 440 Wheelers Farms Road, Milford, Connecticut 06461.

EDR DataMap™ Area Study, Ridgecrest, California 93555, Inquiry Number 02414955.3r, February 6, 2009, Environmental Data Resources, Inc., 440 Wheelers Farms Road, Milford, Connecticut 06461.

The EDR Historical Topographic Map Report, Ridgecrest, California 93555, Inquiry Number 02414955.2, including maps dated 1915, 1943, 1947, 1953, and 1972/1973, February 10, 2009, Environmental Data Resources, Inc., 440 Wheelers Farms Road, Milford, Connecticut 06461.

Google Earth recent aerial imagery, copyrighted 2009, retrieved online at <http://earth.google.com/>

Jennings, C.W., Burnett, J.L. and Troxel, B.W., 1962, Geologic map of California : Trona sheet: California Division of Mines and Geology, scale 1:250000, retrieved online at [http://www.consrv.ca.gov/cgs/rghm/rgm/250k\\_index/Pages/250k\\_index.aspx](http://www.consrv.ca.gov/cgs/rghm/rgm/250k_index/Pages/250k_index.aspx)

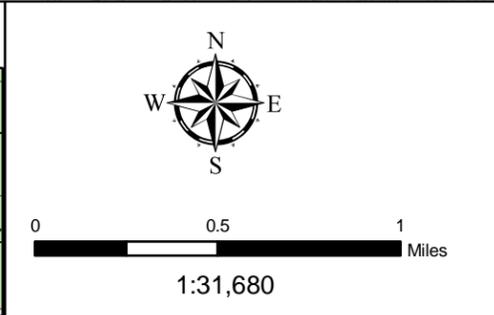
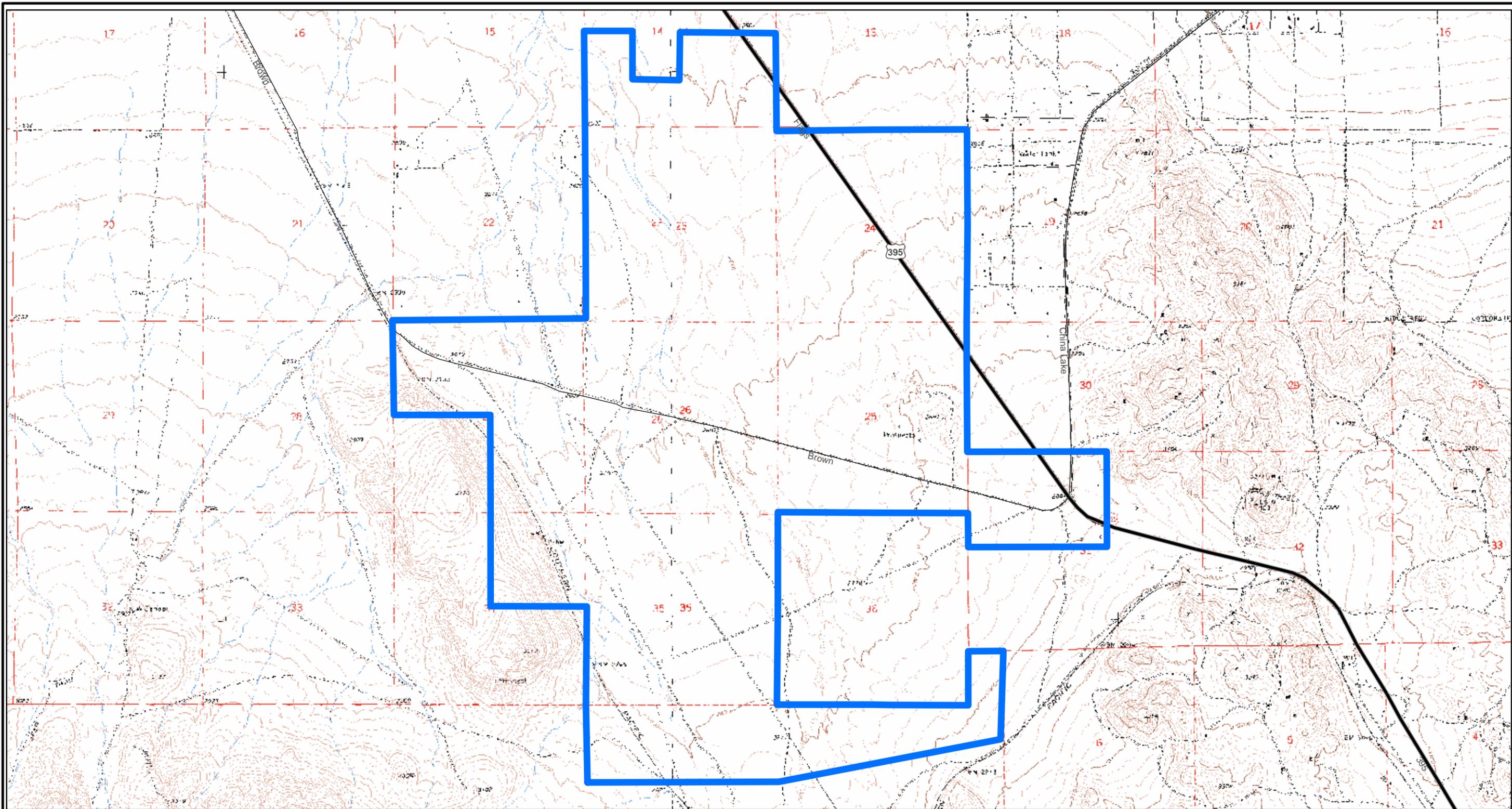
Kern County Assessor, 1115 Truxtun Avenue, Bakersfield, California 93301, (661) 868-3485, property search conducted online at <http://assessor.co.kern.ca.us/propertysearch/index.php>

Kern County Environmental Health Services Department (California Unified Program Agency [CUPA]), Records Search Request, Bakersfield Office, (661) 862-8700, fax (661) 862-8701.  
Lahonton Regional Water Quality Control Board (RWQCB), general site area information retrieved online at <http://www.waterboards.ca.gov/lahontan/>

Some History of the Indian Wells Valley and surrounding areas in, Kern, Inyo, and Mono Counties compiled from all sorts of sources by Janet Westbrook for the Maturango Museum, retrieved online at <http://www.maturango.org/>

US EPA's Enforcement & Compliance History Online (ECHO) and online Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) databases searched at <http://www.epa-echo.gov/echo/> and <http://cfpub.epa.gov/supercpad/cursites/srchsites.cfm>, respectively.

## Figures



Legend  
 Site Boundary

Ridgecrest Site  
**Figure 1**  
 Site Location Map

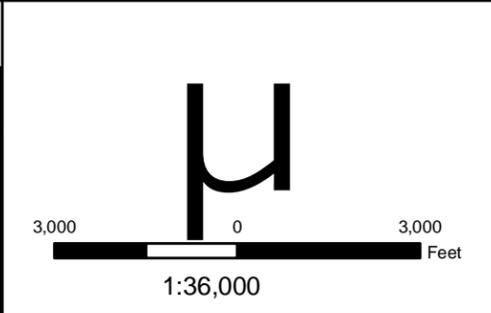
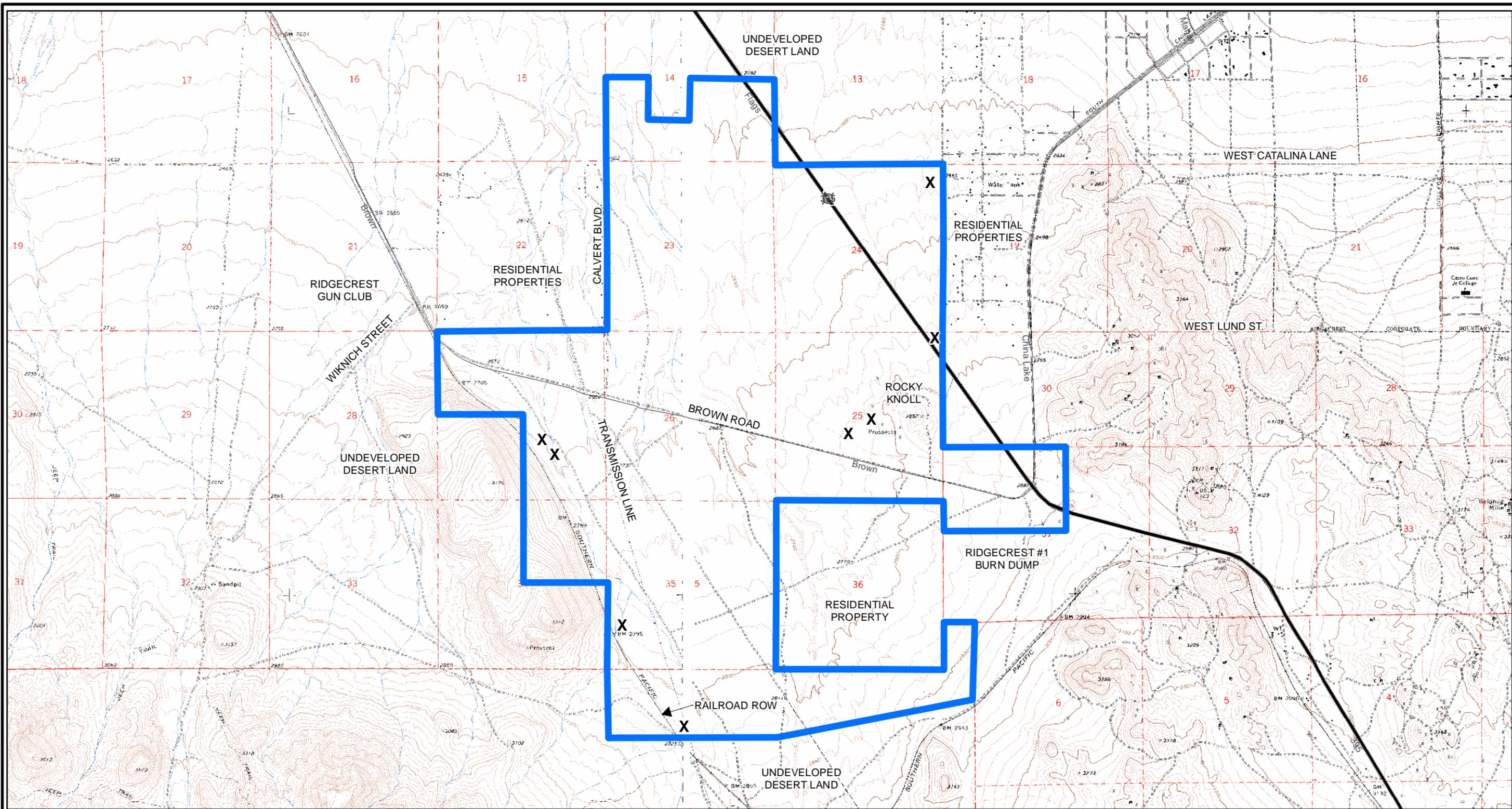
Solar Millennium

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AECOM

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Project: 12944-001  
 Date: April 2009



**LEGEND**  
 SITE BOUNDARY  
 IDENTIFIED TRASH / DEBRIS LOCATIONS

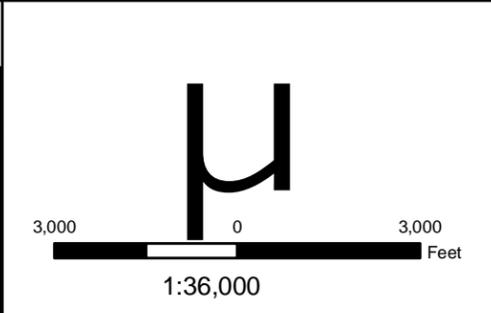
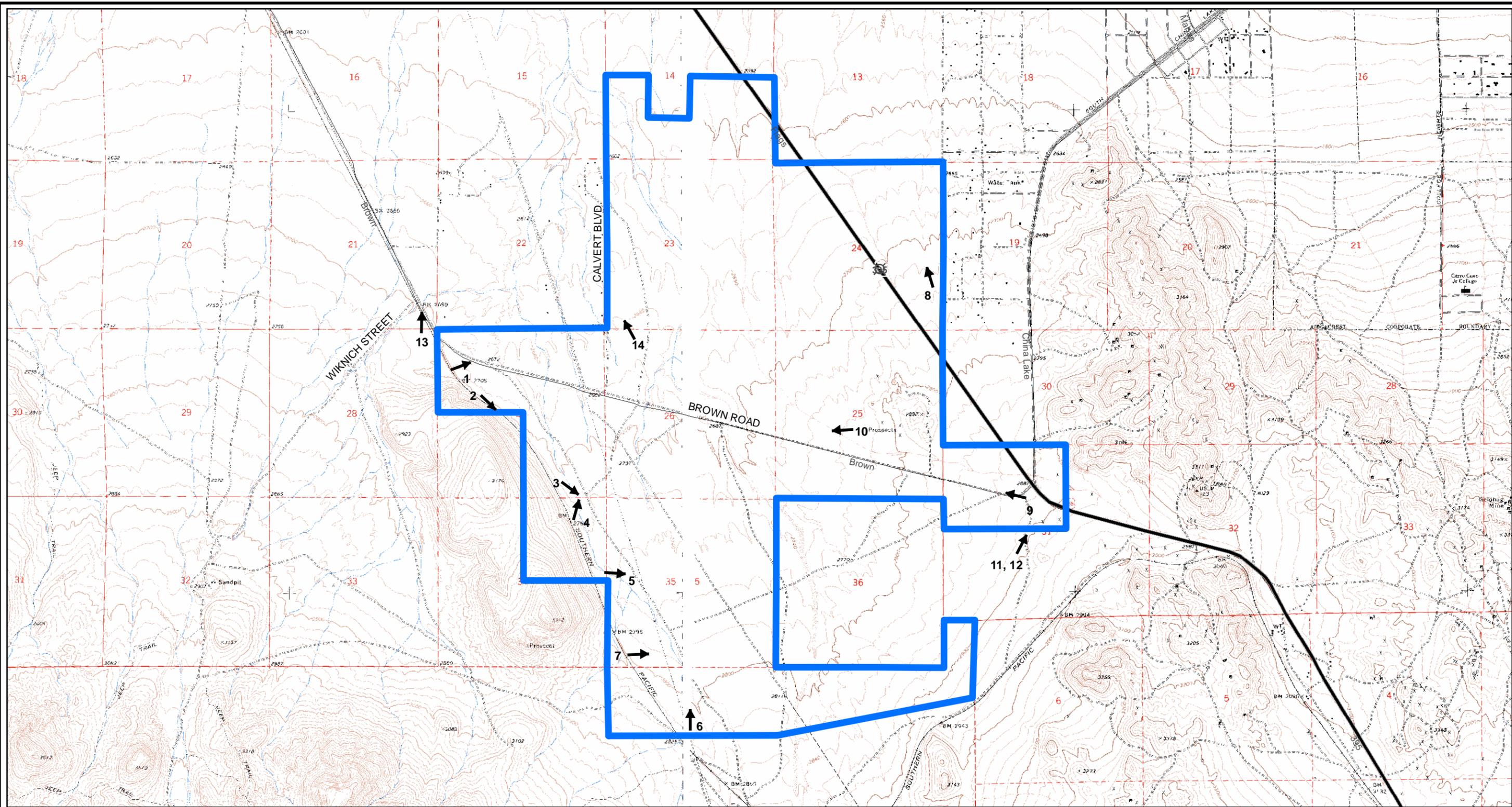
Data Sources:  
 USGS 7.5 Minute Quad Map, Digital Raster Graphics, Inyokern SE and Ridgecrest South

**Ridgecrest Site**  
**Figure 2**  
**Site Plan**  
**4,920 Acres of BLM Land**  
**Kern County, Near Ridgecrest**  
**California 93555**

**Solar Millennium**

**AECOM**

Project: 12944-003  
 Date: May 2009



Data Sources:  
 USGS 7.5 Minute Quad Map, Digital Raster Graphics, Inyokern SE and Ridgecrest South

**Ridgecrest Site**

**Figure 3**  
**Photo Plan**  
 4,920 Acres of BLM Land  
 Kern County, Near Ridgecrest  
 California 93555

**AECOM**

Project: 12944-003  
 Date: May 2009

## **Appendix A**

### **Representative Site Photographs**



Photo No. 1

View facing northeast from/of the northwestern portion of the subject property, from the railroad right-of-way. Note Brown Road in the background.



Photo No. 2

View facing southeast from the northwestern portion of the subject property, from the railroad right-of-way. Note Brown Road on the left, and the transmission lines traversing the subject property.



Photo No. 3

View facing southeast from the west-central portion of the subject property, from the railroad right-of-way. Note the transmission lines traversing the subject property in the background, and the dumped trash/debris.



Photo No. 4

View of the subject property facing northeast from the west-central portion of the subject property. Note Brown Road, and the transmission lines traversing the subject property in the background.



Photo No. 5

View facing east from the west-central portion of the subject property, from the railroad right-of-way. Note the transmission lines traversing the subject property in the background, and the dumped trash/debris.



Photo No. 6

View facing north from the southwestern boundary of the subject property of the transmission lines traversing the subject property.



Photo No. 7

View across the subject property, facing east from the west-central portion of the subject property.



Photo No. 8

View facing north from the eastern boundary of the subject property (on the left).  
Note the residential area located adjacent to the east of the subject property (on the right).



Photo No. 9

View facing west of the subject property from the dirt parking/driveway area located adjacent to the south of Brown Road, approximately 550 feet southwest of the intersection of Highway 395 and Brown Road.



Photo No. 10

View, facing west from the eastern portion of the subject property, of typical dumped trash/debris at the subject property.



Photo No. 11

View facing west of the former burn dump located approximately 550 feet south of the subject property boundary, approximately ¼-mile south of the dirt parking/driveway area located south of Brown Road.



Photo No. 12

View of representative debris observed at the above burn dump, including pieces of glass, plaster, brick, ceramic, and metal; and some tires.



Photo No. 13

View facing north of the Ridgecrest Gun Range located adjacent to the northwest of the subject property, northwest of the intersection of Brown Road and Wiknich Street.

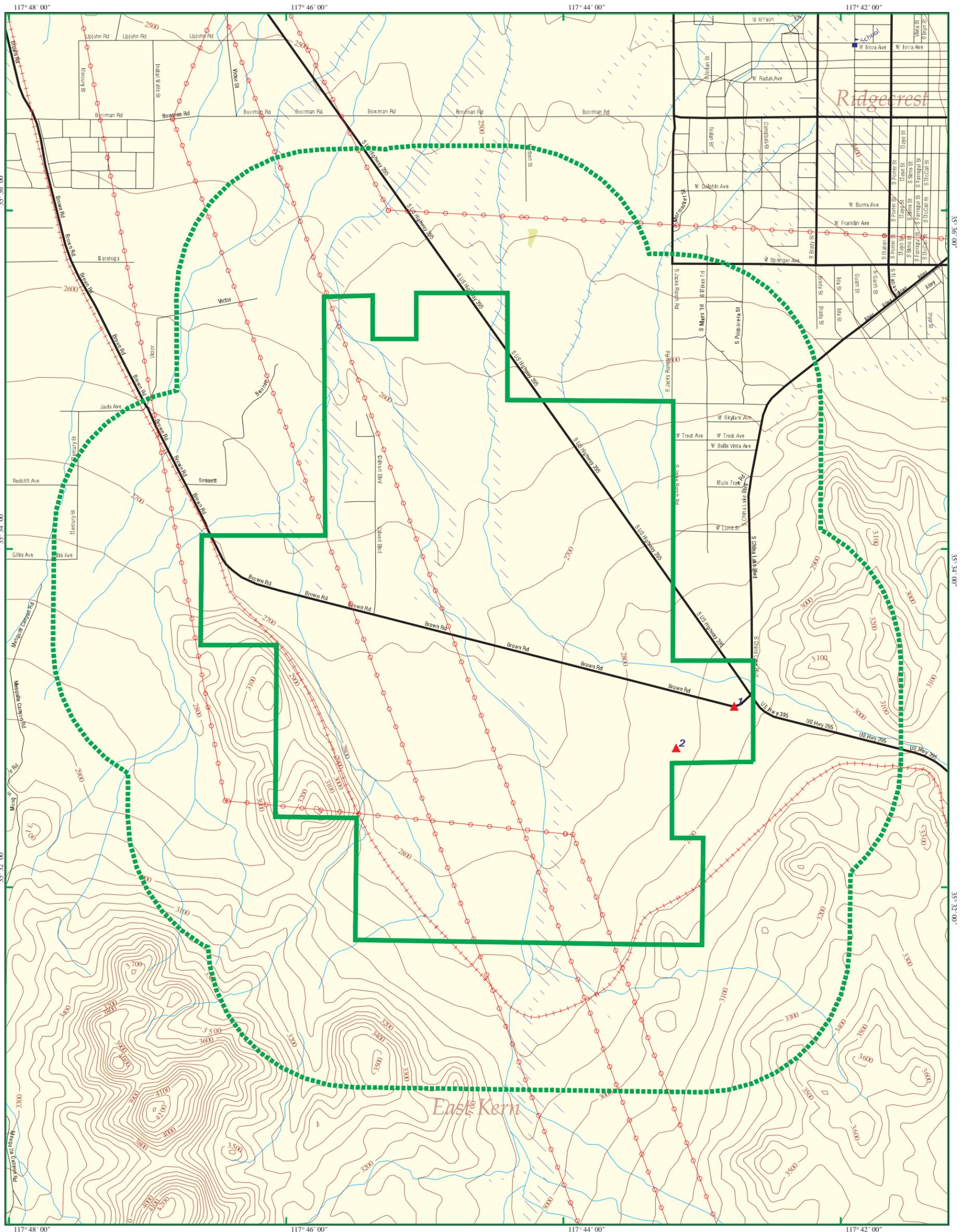


Photo No. 14

View facing northwest of the northwestern portion of the subject property. Note the residential properties located adjacent to the west of the subject property, adjacent west of Calvert Boulevard.

# **Appendix B**

## **Environmental Database Report**



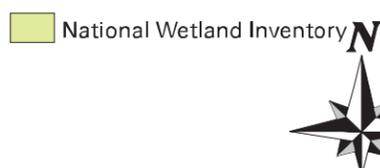
EDR DataMap® - Area Study  
**Ridgecrest**



Ridgecrest, CA



- |  |               |             |                         |
|--|---------------|-------------|-------------------------|
| Listed Sites                                 | Major Roads   | Pipelines   | Superfund Sites         |
| Earthquake Epicenters (Richter 5 or greater) | Waterways     | Powerlines  | Federal DOD Sites       |
| Search Boundary                              | Railroads     | Fault Lines | Indian Reservations BIA |
| Roads  | Contour Lines | Water       | 100-Yr Flood Zones      |



Scale in Miles



**Ridgecrest**

Ridgecrest, CA 93555

Inquiry Number: 02414955.3r

February 06, 2009



# EDR DataMap™ Area Study

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

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# EXECUTIVE SUMMARY

## TARGET PROPERTY INFORMATION

### ADDRESS

RIDGECREST, CA 93555  
RIDGECREST, CA 93555

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area 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
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
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
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

## EXECUTIVE SUMMARY

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
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing

### **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
WMUDS/SWAT.....	Waste Management Unit Database
CA WDS.....	Waste Discharge System
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
LIENS.....	Environmental Liens Listing
SWEEPS UST.....	SWEEPS UST Listing
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
AST.....	Aboveground Petroleum Storage Tank Facilities
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
RESPONSE.....	State Response Sites
HAZNET.....	Facility and Manifest Data
EML.....	Emissions Inventory Data
ENVIROSTOR.....	EnviroStor Database
HAULERS.....	Registered Waste Tire Haulers Listing

### **TRIBAL RECORDS**

INDIAN RESERV.....	Indian Reservations
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
INDIAN VCP.....	Voluntary Cleanup Priority Listing

### **EDR PROPRIETARY RECORDS**

Manufactured Gas Plants.....	EDR Proprietary Manufactured Gas Plants
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### **SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified.

## EXECUTIVE SUMMARY

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.

### **STATE AND LOCAL RECORDS**

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

A review of the SWF/LF list, as provided by EDR, and dated 12/01/2008 has revealed that there is 1 SWF/LF site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
RIDGECREST #1 BD	SW CORNER RIDGECREST BL	2	4

CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CHMIRS list, as provided by EDR, and dated 12/31/2007 has revealed that there is 1 CHMIRS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
Not reported Date Completed: 05-JAN-89	US 395 IMI SO. CHINA LA	1	3

## **EXECUTIVE SUMMARY**

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
<b><u>FEDERAL RECORDS</u></b>	
NPL	0
Proposed NPL	0
Delisted NPL	0
NPL LIENS	0
CERCLIS	0
CERC-NFRAP	0
LIENS 2	0
CORRACTS	0
RCRA-TSDF	0
RCRA-LQG	0
RCRA-SQG	0
RCRA-CESQG	0
RCRA-NonGen	0
US ENG CONTROLS	0
US INST CONTROL	0
ERNS	0
HMIRS	0
DOT OPS	0
US CDL	0
US BROWNFIELDS	0
DOD	0
FUDS	0
LUCIS	0
CONSENT	0
ROD	0
UMTRA	0
DEBRIS REGION 9	0
ODI	0
MINES	0
TRIS	0
TSCA	0
FTTS	0
HIST FTTS	0
SSTS	0
ICIS	0
PADS	0
MLTS	0
RADINFO	0
FINDS	0
RAATS	0
SCRD DRYCLEANERS	0
<b><u>STATE AND LOCAL RECORDS</u></b>	
HIST Cal-Sites	0
CA BOND EXP. PLAN	0
SCH	0
Toxic Pits	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
SWF/LF	1
WMUDS/SWAT	0
CA WDS	0
Cortese	0
SWRCY	0
LUST	0
CA FID UST	0
SLIC	0
UST	0
HIST UST	0
LIENS	0
SWEEPS UST	0
CHMIRS	1
LDS	0
MCS	0
AST	0
Notify 65	0
DEED	0
VCP	0
DRYCLEANERS	0
WIP	0
CDL	0
RESPONSE	0
HAZNET	0
EMI	0
ENVIROSTOR	0
HAULERS	0
 <b><u>TRIBAL RECORDS</u></b>	
INDIAN RESERV	0
INDIAN ODI	0
INDIAN LUST	0
INDIAN UST	0
INDIAN VCP	0
 <b><u>EDR PROPRIETARY RECORDS</u></b>	
Manufactured Gas Plants	0

NOTES:

Sites may be listed in more than one database

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

1

CHMIRS S100279486  
 N/A

**US 395 IMI SO. CHINA LAKE BLVD  
 RIDGECREST, CA**

CHMIRS:

OES Incident Number: 8910150  
 OES notification: Not reported  
 OES Date: Not reported  
 OES Time: Not reported  
 Incident Date: 05-JAN-89  
**Date Completed: 05-JAN-89**  
 Property Use: 962  
 Agency Id Number: 15010  
 Agency Incident Number: 407  
 Time Notified: 1017  
 Time Completed: 1357  
 Surrounding Area: 936  
 Estimated Temperature: 45  
 Property Management: S  
 Special Studies 1: Not reported  
 Special Studies 2: Not reported  
 Special Studies 3: Not reported  
 Special Studies 4: Not reported  
 Special Studies 5: Not reported  
 Special Studies 6: Not reported  
 More Than Two Substances Involved?: N  
 Resp Agncy Personel # Of Decontaminated: 0  
 Responding Agency Personel # Of Injuries: 0  
 Responding Agency Personel # Of Fatalities:0  
 Others Number Of Decontaminated: 0  
 Others Number Of Injuries: 0  
 Others Number Of Fatalities: 0  
 Vehicle Make/year: Not reported  
 Vehicle License Number: Not reported  
 Vehicle State: Not reported  
 Vehicle Id Number: Not reported  
 CA/DOT/PUC/ICC Number: Not reported  
 Company Name: Not reported  
 Reporting Officer Name/ID: MICHAEL L HOFFMAN F/F  
 Report Date: 05-JAN-89  
 Comments: Not reported  
 Facility Telephone: 805 861-2577  
 Waterway Involved: Not reported  
 Waterway: Not reported  
 Spill Site: Not reported  
 Cleanup By: Not reported  
 Containment: Not reported  
 What Happened: Not reported  
 Type: Not reported  
 Measure: Not reported  
 Other: Not reported  
 Date/Time: Not reported  
 Year: 88-92  
 Agency: Not reported  
 Incident Date: Not reported  
 Admin Agency: Not reported  
 Amount: Not reported  
 Contained: Not reported  
 Site Type: Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number  
 EPA ID Number

Database(s)

(Continued)

S100279486

E Date: 04-MAY-90  
 Substance: Not reported  
 Quantity Released: Not reported  
 BBLS: Not reported  
 Cups: Not reported  
 CUFT: Not reported  
 Gallons: Not reported  
 Grams: Not reported  
 Pounds: Not reported  
 Liters: Not reported  
 Ounces: Not reported  
 Pints: Not reported  
 Quarts: Not reported  
 Sheen: Not reported  
 Tons: Not reported  
 Unknown: Not reported  
 Description: Not reported  
 Evacuations: Not reported  
 Number of Injuries: Not reported  
 Number of Fatalities: Not reported  
 Description: Not reported

2

**RIDGECREST #1 BD  
 SW CORNER RIDGECREST BLVD / HWY 95  
 RIDGECREST, CA**

SWF/LF S105247928  
 N/A

SWF/LF:  
 Region: STATE  
 Facility ID: 15-CR-0024  
 Lat/Long: 35.54573 / -117.72266  
 Owner Name: US Dept Interior Blm Ridgecrest  
 Owner Telephone: 6193757125  
 Owner Address: Not reported  
 Owner Address2: 112 E. Dolphin Ave.  
 Owner City,St,Zip: Ridgecrest, CA 93555  
 Operator: County of Kern Waste Management Dept.  
 Operator Phone: 6618628900  
 Operator Address: Not reported  
 Operator Address2: 2700 M Street, Suite 500  
 Operator City,St,Zip: Bakersfield, CA 93301  
 Operator's Status: Closed  
 Permit Date: Not reported  
 Permit Status: Not reported  
 Permitted Acreage: 0  
 Activity: Solid Waste Disposal Site  
 Regulation Status: Pre-regulations  
 Landuse Name: Not reported  
 GIS Source: GPS  
 Category: Disposal  
 Unit Number: 01  
 Inspection Frequency: Quarterly  
 Accepted Waste: Not reported  
 Closure Date: 6/1/1969  
 Closure Type: Actual  
 Disposal Acreage: 3.7  
 Swisnumber: 15-CR-0024  
 Issue & Observations: Bakersfield, CA 93301  
 Program Type: Not reported

MAP FINDINGS

Map ID  
Direction  
Distance  
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**RIDGECREST #1 BD (Continued)**

**S105247928**

Permitted Throughput with Units: Not reported  
Actual Throughput with Units: Not reported  
Permitted Capacity with Units: Not reported  
Remaining Capacity: Not reported  
Remaining Capacity with Units: Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CHINA LAKE	S101620971	ENVIRONMENTAL TEST AREA	CHINA LK PROPULSION	93555	CA FID UST, SWEEPS UST
CHINA LAKE	S102362020	CHINA LAKE NWC	CHINA LAKE	93555	WMUDS/SWAT
CHINA LAKE	S103442521	NAWS, NAVAL AIR FIELD(SITE 27)	CHINA LAKE	93555	WMUDS/SWAT
CHINA LAKE	S103442522	NAWS, LAURITSEN RD LF(SITE 34)	CHINA LAKE	93555	WMUDS/SWAT
CHINA LAKE	U001587061	ENVIRONMENTAL TEST AREA	CHINA LAKE PROPULSION LAB BLDG	93555	HIST UST
NAWS CHINA LAKE	S102428153	CLPL GAS STATION	CHINA LAKE NAWS	93555	LUST
NAWS CHINA LAKE	S102431684	IOB GAS STATION	CHINA LAKE NAWS	93555	LUST
NAWS CHINA LAKE	S102435690	RANDBURG GAS STATION	CHINA LAKE NAWS	93555	LUST
RIDGECREST	S105256817	RIDGECREST SANITARY LANDFILL	3301 BOWMAN RD		CA WDS
RIDGECREST	1006328353	RIDGECREST SANITARY LANDFILL	3301 BOWMAN ROAD	93555	FINDS
RIDGECREST	S105025814	RIDGECREST JUSTICE BUILDI	132 COSOA LAKE	93555	Cortese
RIDGECREST	S103984513	RIDGECREST FAMILY DENTISTRY	815 N. DOWNS STE. B	93555	HAZNET
RIDGECREST	1008000644	LOCATED DOWNTOWN RIDGECREST NEAR CHINA LAKE NAVAL WEAPONS CE	100 LAS FLORES AVE	93555	FINDS
RIDGECREST	1006835873	RIDGECREST SANITARY LANDFILL	5M SOUTHWEST OF RIDGECREST ON	93555	FINDS
RIDGECREST	S105724221	RIDGECREST AUTOWORKS	1200 RIDGECREST BLVD	93555	HAZNET
RIDGECREST	1000198421	PG&E RIDGECREST SERVICE CENTER	126 WORJMA	93555	RCRA-SQG, FINDS
RIDGECREST	CA S103866747	ORO LTD MINE/MILL	HWY 14 NORTH OF MOJAVE	93555	WMUDS/SWAT
RIDGECREST	CA S100838393	RIDGECREST/INYOKERN LANDFILL	5 MI SW OF RIDGECREST	93555	WMUDS/SWAT, CA WDS, LDS

# 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: 09/29/2008	Source: EPA
Date Data Arrived at EDR: 10/10/2008	Telephone: N/A
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 01/26/2009
Number of Days to Update: 40	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: Quarterly

### NPL Site Boundaries

#### Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

### Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 09/29/2008	Source: EPA
Date Data Arrived at EDR: 10/10/2008	Telephone: N/A
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 01/26/2009
Number of Days to Update: 40	Next Scheduled EDR Contact: 04/27/2009
	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: 09/29/2008	Source: EPA
Date Data Arrived at EDR: 10/10/2008	Telephone: N/A
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 01/26/2009
Number of Days to Update: 40	Next Scheduled EDR Contact: 04/27/2009
	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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 11/17/2008
Number of Days to Update: 56	Next Scheduled EDR Contact: 02/16/2009
	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: 10/07/2008	Source: EPA
Date Data Arrived at EDR: 10/16/2008	Telephone: 703-412-9810
Date Made Active in Reports: 12/08/2008	Last EDR Contact: 01/30/2009
Number of Days to Update: 53	Next Scheduled EDR Contact: 04/13/2009
	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	Source: EPA
Date Data Arrived at EDR: 12/06/2007	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 01/26/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: 03/16/2009
	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: 08/19/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/29/2008	Telephone: 202-564-6023
Date Made Active in Reports: 09/09/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 11	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

## CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/11/2008	Source: EPA
Date Data Arrived at EDR: 09/19/2008	Telephone: 800-424-9346
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 12/01/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 03/02/2009
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 02/06/2009  
Next Scheduled EDR Contact: 02/16/2009  
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: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 02/06/2009  
Next Scheduled EDR Contact: 02/16/2009  
Data Release Frequency: Quarterly

## RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 02/06/2009  
Next Scheduled EDR Contact: 02/16/2009  
Data Release Frequency: Quarterly

## RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 02/06/2009  
Next Scheduled EDR Contact: 02/16/2009  
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: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 02/06/2009  
Next Scheduled EDR Contact: 02/16/2009  
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: 10/06/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/17/2008	Telephone: 703-603-0695
Date Made Active in Reports: 12/08/2008	Last EDR Contact: 12/29/2008
Number of Days to Update: 52	Next Scheduled EDR Contact: 03/30/2009
	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: 10/06/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/17/2008	Telephone: 703-603-0695
Date Made Active in Reports: 12/08/2008	Last EDR Contact: 12/29/2008
Number of Days to Update: 52	Next Scheduled EDR Contact: 03/30/2009
	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	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/23/2008	Telephone: 202-267-2180
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/30/2009
Number of Days to Update: 54	Next Scheduled EDR Contact: 04/19/2009
	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: 09/30/2008	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 10/16/2008	Telephone: 202-366-4555
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 01/30/2009
Number of Days to Update: 34	Next Scheduled EDR Contact: 04/13/2009
	Data Release Frequency: Annually

### DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 05/28/2008	Telephone: 202-366-4595
Date Made Active in Reports: 08/08/2008	Last EDR Contact: 11/26/2008
Number of Days to Update: 72	Next Scheduled EDR Contact: 02/23/2009
	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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2008  
Date Data Arrived at EDR: 10/31/2008  
Date Made Active in Reports: 12/23/2008  
Number of Days to Update: 53

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 10/31/2008  
Next Scheduled EDR Contact: 03/23/2009  
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: 10/01/2008  
Date Data Arrived at EDR: 11/14/2008  
Date Made Active in Reports: 12/23/2008  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 01/16/2009  
Next Scheduled EDR Contact: 04/13/2009  
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: 02/06/2009  
Next Scheduled EDR Contact: 05/04/2009  
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: 12/31/2007  
Date Data Arrived at EDR: 09/05/2008  
Date Made Active in Reports: 09/23/2008  
Number of Days to Update: 18

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 12/29/2008  
Next Scheduled EDR Contact: 03/30/2009  
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: 12/08/2008  
Next Scheduled EDR Contact: 03/09/2009  
Data Release Frequency: Varies

### CONSENT: Superfund (CERCLA) Consent Decrees

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/15/2008  
Date Data Arrived at EDR: 10/22/2008  
Date Made Active in Reports: 12/23/2008  
Number of Days to Update: 62

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 01/19/2009  
Next Scheduled EDR Contact: 04/19/2009  
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: 10/21/2008  
Date Data Arrived at EDR: 10/29/2008  
Date Made Active in Reports: 12/23/2008  
Number of Days to Update: 55

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 12/29/2008  
Next Scheduled EDR Contact: 03/30/2009  
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: 12/17/2008  
Next Scheduled EDR Contact: 03/16/2009  
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: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: Varies

## MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/07/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 12/23/2008  
Next Scheduled EDR Contact: 03/23/2009  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/19/2008  
Next Scheduled EDR Contact: 12/15/2008  
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: 01/12/2009  
Next Scheduled EDR Contact: 04/13/2009  
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: 10/08/2008  
Date Data Arrived at EDR: 10/17/2008  
Date Made Active in Reports: 12/08/2008  
Number of Days to Update: 52

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 12/15/2008  
Next Scheduled EDR Contact: 03/16/2009  
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: 10/08/2008  
Date Data Arrived at EDR: 10/17/2008  
Date Made Active in Reports: 12/08/2008  
Number of Days to Update: 52

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 12/15/2008  
Next Scheduled EDR Contact: 03/16/2009  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/04/2008  
Next Scheduled EDR Contact: 01/12/2009  
Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

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

Date of Government Version: 07/31/2008  
Date Data Arrived at EDR: 08/13/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 27

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 01/12/2009  
Next Scheduled EDR Contact: 04/13/2009  
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: 02/02/2009  
Next Scheduled EDR Contact: 05/04/2009  
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: 10/03/2008  
Date Data Arrived at EDR: 10/15/2008  
Date Made Active in Reports: 11/19/2008  
Number of Days to Update: 35

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 12/29/2008  
Next Scheduled EDR Contact: 03/30/2009  
Data Release Frequency: Quarterly

## RADINFO: Radiation Information Database

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

Date of Government Version: 10/28/2008  
Date Data Arrived at EDR: 10/29/2008  
Date Made Active in Reports: 12/08/2008  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 01/30/2009  
Next Scheduled EDR Contact: 04/27/2009  
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: 10/30/2008	Source: EPA
Date Data Arrived at EDR: 10/31/2008	Telephone: (415) 947-8000
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 12/29/2008
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/30/2009
	Data Release Frequency: Quarterly

## RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

## BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2005	Source: EPA/NTIS
Date Data Arrived at EDR: 03/06/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2007	Last EDR Contact: 12/09/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 03/09/2009
	Data Release Frequency: Biennially

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 09/08/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2008	Telephone: 615-532-8599
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 12/08/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/09/2009
	Data Release Frequency: Varies

## 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	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 11/24/2008
Number of Days to Update: 21	Next Scheduled EDR Contact: 02/23/2009
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CA BOND EXP. PLAN: Bond Expenditure Plan

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

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

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

## 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: 11/25/2008  
Date Data Arrived at EDR: 11/26/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 62

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 11/26/2008  
Next Scheduled EDR Contact: 02/23/2009  
Data Release Frequency: Quarterly

## TOXIC PITS: Toxic Pits Cleanup Act Sites

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

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

Source: State Water Resources Control Board  
Telephone: 916-227-4364  
Last EDR Contact: 01/26/2009  
Next Scheduled EDR Contact: 04/27/2009  
Data Release Frequency: No Update Planned

## SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 12/01/2008  
Date Data Arrived at EDR: 12/09/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 49

Source: Integrated Waste Management Board  
Telephone: 916-341-6320  
Last EDR Contact: 12/09/2008  
Next Scheduled EDR Contact: 03/09/2009  
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: 12/15/2008  
Next Scheduled EDR Contact: 03/16/2009  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/01/2008  
Next Scheduled EDR Contact: 03/02/2009  
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: 01/22/2009  
Next Scheduled EDR Contact: 04/19/2009  
Data Release Frequency: No Update Planned

## SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 01/05/2009  
Date Data Arrived at EDR: 01/08/2009  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 19

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 01/08/2009  
Next Scheduled EDR Contact: 04/06/2009  
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: 01/06/2009  
Date Data Arrived at EDR: 01/08/2009  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 19

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 01/08/2009  
Next Scheduled EDR Contact: 04/06/2009  
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: 11/17/2008  
Next Scheduled EDR Contact: 02/16/2009  
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: 01/05/2009  
Next Scheduled EDR Contact: 04/06/2009  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/10/2008  
Next Scheduled EDR Contact: 02/02/2009  
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: 12/23/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: No Update Planned

## LUST REG 5: Leaking Underground Storage Tank Database

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

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

Source: California Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-4834  
Last EDR Contact: 01/19/2009  
Next Scheduled EDR Contact: 04/19/2009  
Data Release Frequency: Quarterly

## 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: 12/01/2008  
Next Scheduled EDR Contact: 03/02/2009  
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: 12/29/2008  
Next Scheduled EDR Contact: 03/30/2009  
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: 11/17/2008  
Next Scheduled EDR Contact: 02/16/2009  
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: 01/12/2009  
Next Scheduled EDR Contact: 04/13/2009  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 02/02/2009
Number of Days to Update: 41	Next Scheduled EDR Contact: 05/04/2009
	Data Release Frequency: Varies

## CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## 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: 01/06/2009	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/08/2009	Telephone: 866-480-1028
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 01/08/2009
Number of Days to Update: 19	Next Scheduled EDR Contact: 04/06/2009
	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	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 11/17/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/17/2008
	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	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 01/05/2009
Number of Days to Update: 30	Next Scheduled EDR Contact: 04/06/2009
	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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 11/10/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 02/09/2009
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 01/19/2009  
Next Scheduled EDR Contact: 04/19/2009  
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: 12/29/2008  
Next Scheduled EDR Contact: 03/30/2009  
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: 12/29/2008  
Next Scheduled EDR Contact: 03/30/2009  
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: 12/01/2008  
Next Scheduled EDR Contact: 03/02/2009  
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: 11/17/2008  
Next Scheduled EDR Contact: 02/16/2009  
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: 12/29/2008  
Next Scheduled EDR Contact: 03/30/2009  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 11/24/2008  
Next Scheduled EDR Contact: 02/23/2009  
Data Release Frequency: Annually

## UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 01/06/2009  
Date Data Arrived at EDR: 01/08/2009  
Date Made Active in Reports: 01/30/2009  
Number of Days to Update: 22

Source: SWRCB  
Telephone: 916-480-1028  
Last EDR Contact: 01/08/2009  
Next Scheduled EDR Contact: 04/06/2009  
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: 12/29/2008  
Date Data Arrived at EDR: 12/29/2008  
Date Made Active in Reports: 01/30/2009  
Number of Days to Update: 32

Source: Department of Public Health  
Telephone: 707-463-4466  
Last EDR Contact: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
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: 11/06/2008  
Date Data Arrived at EDR: 11/07/2008  
Date Made Active in Reports: 11/26/2008  
Number of Days to Update: 19

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/02/2009  
Next Scheduled EDR Contact: 05/04/2009  
Data Release Frequency: Varies

## 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).

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2007  
Date Data Arrived at EDR: 05/09/2008  
Date Made Active in Reports: 06/20/2008  
Number of Days to Update: 42

Source: Office of Emergency Services  
Telephone: 916-845-8400  
Last EDR Contact: 11/17/2008  
Next Scheduled EDR Contact: 02/16/2009  
Data Release Frequency: Varies

## LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 01/06/2009  
Date Data Arrived at EDR: 01/08/2009  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 19

Source: State Water Quality Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 01/08/2009  
Next Scheduled EDR Contact: 04/06/2009  
Data Release Frequency: Quarterly

## 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: 01/26/2009  
Next Scheduled EDR Contact: 04/27/2009  
Data Release Frequency: Quarterly

## MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 01/06/2009  
Date Data Arrived at EDR: 01/08/2009  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 19

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 01/08/2009  
Next Scheduled EDR Contact: 04/06/2009  
Data Release Frequency: Quarterly

## 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: 01/12/2009  
Next Scheduled EDR Contact: 04/13/2009  
Data Release Frequency: No Update Planned

## DEED: Deed Restriction Listing

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/30/2008	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 12/30/2008	Telephone: 916-323-3400
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 12/30/2009
Number of Days to Update: 28	Next Scheduled EDR Contact: 03/30/2009
	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: 11/25/2008	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/26/2008	Telephone: 916-323-3400
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 11/26/2008
Number of Days to Update: 62	Next Scheduled EDR Contact: 02/23/2009
	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: 09/23/2008	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 09/24/2008	Telephone: 916-327-4498
Date Made Active in Reports: 09/29/2008	Last EDR Contact: 01/30/2009
Number of Days to Update: 5	Next Scheduled EDR Contact: 03/30/2009
	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: 10/31/2008	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 11/03/2008	Telephone: 213-576-6726
Date Made Active in Reports: 11/26/2008	Last EDR Contact: 01/23/2009
Number of Days to Update: 23	Next Scheduled EDR Contact: 04/19/2009
	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: 09/30/2008	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/06/2008	Telephone: 916-255-6504
Date Made Active in Reports: 10/13/2008	Last EDR Contact: 02/02/2009
Number of Days to Update: 7	Next Scheduled EDR Contact: 04/19/2009
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 11/25/2008	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/26/2008	Telephone: 916-323-3400
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 11/26/2008
Number of Days to Update: 62	Next Scheduled EDR Contact: 02/23/2009
	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	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 10/04/2007	Telephone: 916-255-1136
Date Made Active in Reports: 11/07/2007	Last EDR Contact: 02/03/2009
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/04/2008
	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: 12/31/2006	Source: California Air Resources Board
Date Data Arrived at EDR: 10/16/2008	Telephone: 916-322-2990
Date Made Active in Reports: 11/26/2008	Last EDR Contact: 01/16/2009
Number of Days to Update: 41	Next Scheduled EDR Contact: 04/13/2009
	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 identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 11/25/2008	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/26/2008	Telephone: 916-323-3400
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 11/26/2008
Number of Days to Update: 62	Next Scheduled EDR Contact: 02/23/2009
	Data Release Frequency: Quarterly

## HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 12/22/2008	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 12/22/2008	Telephone: 916-341-6422
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 12/22/2008
Number of Days to Update: 36	Next Scheduled EDR Contact: 03/09/2009
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 02/06/2009
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/04/2009
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 11/24/2008
Number of Days to Update: 52	Next Scheduled EDR Contact: 02/23/2009
	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: 12/02/2008	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2008	Telephone: 303-312-6271
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 19	Next Scheduled EDR Contact: 02/16/2009
	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: 04/01/2008	Source: EPA Region 7
Date Data Arrived at EDR: 12/03/2008	Telephone: 913-551-7003
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 11/19/2008
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

## INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/06/2008	Source: EPA Region 4
Date Data Arrived at EDR: 10/09/2008	Telephone: 404-562-8677
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 41	Next Scheduled EDR Contact: 02/16/2009
	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: 03/12/2008	Source: EPA Region 1
Date Data Arrived at EDR: 03/14/2008	Telephone: 617-918-1313
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/16/2009
	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: 10/10/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/10/2008	Telephone: 415-972-3372
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 11/18/2008	Source: EPA Region 10
Date Data Arrived at EDR: 11/19/2008	Telephone: 206-553-2857
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

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

Date of Government Version: 11/25/2008	Source: EPA Region 6
Date Data Arrived at EDR: 11/26/2008	Telephone: 214-665-6597
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 03/12/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 03/14/2008	Telephone: 617-918-1313
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/06/2008	Source: EPA Region 4
Date Data Arrived at EDR: 10/09/2008	Telephone: 404-562-9424
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 41	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 09/08/2008	Source: EPA Region 5
Date Data Arrived at EDR: 09/19/2008	Telephone: 312-886-6136
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/25/2008	Source: EPA Region 6
Date Data Arrived at EDR: 11/26/2008	Telephone: 214-665-7591
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/01/2007	Source: EPA Region 7
Date Data Arrived at EDR: 06/14/2007	Telephone: 913-551-7003
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 11/19/2008
Number of Days to Update: 21	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 12/01/2008	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2008	Telephone: 303-312-6137
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 19	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 09/05/2008	Source: EPA Region 9
Date Data Arrived at EDR: 09/19/2008	Telephone: 415-972-3368
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

## INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/18/2008	Source: EPA Region 10
Date Data Arrived at EDR: 11/19/2008	Telephone: 206-553-2857
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

## INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 04/02/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 04/22/2008	Telephone: 617-918-1102
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 01/19/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/19/2009
	Data Release Frequency: Varies

## INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 01/19/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/19/2009
	Data Release Frequency: Varies

# 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

## COUNTY RECORDS

### ALAMEDA COUNTY:

#### Contaminated Sites

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

Date of Government Version: 10/28/2008  
Date Data Arrived at EDR: 10/30/2008  
Date Made Active in Reports: 11/26/2008  
Number of Days to Update: 27

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 01/19/2009  
Next Scheduled EDR Contact: 04/19/2009  
Data Release Frequency: Semi-Annually

#### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/28/2008  
Date Data Arrived at EDR: 10/30/2008  
Date Made Active in Reports: 12/05/2008  
Number of Days to Update: 36

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 01/19/2009  
Next Scheduled EDR Contact: 04/19/2009  
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: 11/24/2008  
Date Data Arrived at EDR: 11/25/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 63

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 11/24/2008  
Next Scheduled EDR Contact: 02/23/2009  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/14/2009  
Date Data Arrived at EDR: 01/15/2009  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 12

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 02/02/2009  
Next Scheduled EDR Contact: 05/04/2009  
Data Release Frequency: Semi-Annually

## KERN COUNTY:

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

Date of Government Version: 01/06/2009  
Date Data Arrived at EDR: 01/07/2009  
Date Made Active in Reports: 01/30/2009  
Number of Days to Update: 23

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 12/15/2008  
Next Scheduled EDR Contact: 03/02/2009  
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: 02/02/2009  
Next Scheduled EDR Contact: 04/13/2009  
Data Release Frequency: No Update Planned

### HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/31/2008  
Date Data Arrived at EDR: 10/17/2008  
Date Made Active in Reports: 11/26/2008  
Number of Days to Update: 40

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 11/10/2008  
Next Scheduled EDR Contact: 02/02/2009  
Data Release Frequency: Semi-Annually

### List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 11/10/2008  
Date Data Arrived at EDR: 11/25/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 63

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 11/13/2008  
Next Scheduled EDR Contact: 02/09/2009  
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: 12/08/2008  
Next Scheduled EDR Contact: 03/09/2009  
Data Release Frequency: Varies

### Site Mitigation List

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/10/2008  
Next Scheduled EDR Contact: 02/02/2009  
Data Release Frequency: Annually

## City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 09/19/2008  
Date Data Arrived at EDR: 10/06/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 10

Source: City of El Segundo Fire Department  
Telephone: 310-524-2236  
Last EDR Contact: 11/10/2008  
Next Scheduled EDR Contact: 02/02/2009  
Data Release Frequency: Semi-Annually

## City of Long Beach Underground Storage Tank

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

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

Source: City of Long Beach Fire Department  
Telephone: 562-570-2563  
Last EDR Contact: 11/17/2008  
Next Scheduled EDR Contact: 02/16/2009  
Data Release Frequency: Annually

## City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 12/11/2008  
Date Data Arrived at EDR: 12/11/2008  
Date Made Active in Reports: 01/30/2009  
Number of Days to Update: 50

Source: City of Torrance Fire Department  
Telephone: 310-618-2973  
Last EDR Contact: 12/11/2008  
Next Scheduled EDR Contact: 02/02/2009  
Data Release Frequency: Semi-Annually

## MARIN COUNTY:

### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 08/04/2008  
Date Data Arrived at EDR: 08/29/2008  
Date Made Active in Reports: 09/15/2008  
Number of Days to Update: 17

Source: Public Works Department Waste Management  
Telephone: 415-499-6647  
Last EDR Contact: 01/26/2009  
Next Scheduled EDR Contact: 04/27/2009  
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: 07/09/2008  
Date Data Arrived at EDR: 07/09/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 22

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: Semi-Annually

### Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: Annually

## ORANGE COUNTY:

### List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 12/02/2008  
Date Data Arrived at EDR: 12/16/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 42

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 12/02/2008  
Next Scheduled EDR Contact: 03/02/2009  
Data Release Frequency: Annually

### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 12/02/2008  
Date Data Arrived at EDR: 12/23/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 35

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 12/02/2008  
Next Scheduled EDR Contact: 03/02/2009  
Data Release Frequency: Quarterly

### List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 12/02/2008  
Date Data Arrived at EDR: 12/23/2008  
Date Made Active in Reports: 01/30/2009  
Number of Days to Update: 38

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: 03/02/2009  
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: 01/12/2009  
Next Scheduled EDR Contact: 03/16/2009  
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: 11/06/2008  
Date Data Arrived at EDR: 11/17/2008  
Date Made Active in Reports: 11/26/2008  
Number of Days to Update: 9

Source: Department of Public Health  
Telephone: 951-358-5055  
Last EDR Contact: 01/26/2009  
Next Scheduled EDR Contact: 04/13/2009  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 11/12/2008	Source: Health Services Agency
Date Data Arrived at EDR: 11/25/2008	Telephone: 951-358-5055
Date Made Active in Reports: 12/05/2008	Last EDR Contact: 01/26/2009
Number of Days to Update: 10	Next Scheduled EDR Contact: 04/13/2009
	Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### Contaminated Sites

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

Date of Government Version: 09/08/2008	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 12/02/2008	Telephone: 916-875-8406
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 01/30/2009
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/27/2009
	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: 09/08/2008	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 10/29/2008	Telephone: 916-875-8406
Date Made Active in Reports: 11/26/2008	Last EDR Contact: 01/30/2009
Number of Days to Update: 28	Next Scheduled EDR Contact: 04/27/2009
	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: 01/07/2009	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 01/09/2009	Telephone: 909-387-3041
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 12/01/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 03/02/2009
	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: 07/16/2008	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 10/29/2008	Telephone: 619-338-2268
Date Made Active in Reports: 11/26/2008	Last EDR Contact: 12/31/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 03/30/2009
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 11/01/2008  
Date Data Arrived at EDR: 12/23/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 35

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 12/02/2008  
Next Scheduled EDR Contact: 11/17/2008  
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: 11/05/2008  
Date Data Arrived at EDR: 12/30/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 28

Source: San Diego County Department of Environmental Health  
Telephone: 619-338-2371  
Last EDR Contact: 12/30/2008  
Next Scheduled EDR Contact: 03/30/2009  
Data Release Frequency: Varies

## SAN FRANCISCO COUNTY:

### Local Oversight Facilities

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

Date of Government Version: 09/19/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 09/29/2008  
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 12/01/2008  
Next Scheduled EDR Contact: 03/02/2009  
Data Release Frequency: Quarterly

### Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 10/01/2008  
Number of Days to Update: 12

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 12/01/2008  
Next Scheduled EDR Contact: 03/02/2009  
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: 11/07/2008  
Date Data Arrived at EDR: 12/03/2008  
Date Made Active in Reports: 01/30/2009  
Number of Days to Update: 58

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 01/12/2009  
Next Scheduled EDR Contact: 04/13/2009  
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: 11/19/2008  
Date Data Arrived at EDR: 11/19/2008  
Date Made Active in Reports: 11/26/2008  
Number of Days to Update: 7

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 01/05/2009  
Next Scheduled EDR Contact: 04/06/2009  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Fuel Leak List

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

Date of Government Version: 01/05/2009  
Date Data Arrived at EDR: 01/06/2009  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 21

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 01/05/2009  
Next Scheduled EDR Contact: 04/06/2009  
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: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: No Update Planned

### LOP Listing

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

Date of Government Version: 12/29/2008  
Date Data Arrived at EDR: 12/29/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 29

Source: Department of Environmental Health  
Telephone: 408-918-3417  
Last EDR Contact: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: Varies

### Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 12/01/2008  
Date Data Arrived at EDR: 12/04/2008  
Date Made Active in Reports: 01/27/2009  
Number of Days to Update: 54

Source: City of San Jose Fire Department  
Telephone: 408-277-4659  
Last EDR Contact: 12/01/2008  
Next Scheduled EDR Contact: 03/02/2009  
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: 09/22/2008  
Date Data Arrived at EDR: 10/06/2008  
Date Made Active in Reports: 10/13/2008  
Number of Days to Update: 7

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 01/05/2009  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: Quarterly

### Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/22/2008  
Date Data Arrived at EDR: 10/17/2008  
Date Made Active in Reports: 12/05/2008  
Number of Days to Update: 49

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Leaking Underground Storage Tank Sites

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

Date of Government Version: 01/20/2009	Source: Department of Health Services
Date Data Arrived at EDR: 01/21/2009	Telephone: 707-565-6565
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 01/19/2009
Number of Days to Update: 6	Next Scheduled EDR Contact: 04/19/2009
	Data Release Frequency: Quarterly

## SUTTER COUNTY:

### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 05/04/2007	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 05/04/2007	Telephone: 530-822-7500
Date Made Active in Reports: 05/24/2007	Last EDR Contact: 12/29/2008
Number of Days to Update: 20	Next Scheduled EDR Contact: 03/30/2009
	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: 11/26/2008	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 12/30/2008	Telephone: 805-654-2813
Date Made Active in Reports: 01/27/2009	Last EDR Contact: 12/10/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 03/09/2009
	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: 08/01/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 09/04/2008	Telephone: 805-654-2813
Date Made Active in Reports: 09/18/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Annually

### Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 12/09/2008
Number of Days to Update: 37	Next Scheduled EDR Contact: 03/09/2009
	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: 12/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 01/08/2009	Telephone: 805-654-2813
Date Made Active in Reports: 01/30/2009	Last EDR Contact: 01/08/2009
Number of Days to Update: 22	Next Scheduled EDR Contact: 04/06/2009
	Data Release Frequency: Quarterly

## YOLO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Comprehensive Facility Report  
Underground storage tank sites located in Yolo county.

Date of Government Version: 11/13/2008	Source: Yolo County Department of Health
Date Data Arrived at EDR: 12/03/2008	Telephone: 530-666-8646
Date Made Active in Reports: 01/30/2009	Last EDR Contact: 01/12/2009
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/13/2009
	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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/15/2007	Telephone: 860-424-3375
Date Made Active in Reports: 08/20/2007	Last EDR Contact: 12/11/2008
Number of Days to Update: 66	Next Scheduled EDR Contact: 03/09/2009
	Data Release Frequency: Annually

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 09/30/2007	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/04/2007	Telephone: N/A
Date Made Active in Reports: 12/31/2007	Last EDR Contact: 02/03/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 05/04/2009
	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: 10/21/2008	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/26/2008	Telephone: 518-402-8651
Date Made Active in Reports: 12/11/2008	Last EDR Contact: 11/26/2008
Number of Days to Update: 15	Next Scheduled EDR Contact: 02/23/2009
	Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007	Source: Department of Environmental Protection
Date Data Arrived at EDR: 09/11/2008	Telephone: N/A
Date Made Active in Reports: 10/02/2008	Last EDR Contact: 12/08/2008
Number of Days to Update: 21	Next Scheduled EDR Contact: 03/09/2009
	Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 10/07/2008	Source: Department of Environmental Management
Date Data Arrived at EDR: 10/10/2008	Telephone: 401-222-2797
Date Made Active in Reports: 10/28/2008	Last EDR Contact: 12/15/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 03/16/2009
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007

Date Data Arrived at EDR: 08/22/2008

Date Made Active in Reports: 09/08/2008

Number of Days to Update: 17

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 01/05/2009

Next Scheduled EDR Contact: 04/06/2009

Data Release Frequency: Annually

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

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

### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

### Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 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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## **Appendix C**

### **Qualifications of Environmental Professionals**

# Kirsten G. Bradford

## Project Specialist

**Years Experience: 6**

### Technical Specialties

- Environmental Site Assessments/Due Diligence
- Project Management
- Environmental Compliance
- Oil Spill Control and Countermeasure Planning
- Storm Water Pollution Prevention Planning and Permitting
- Hazardous Material and RCRA Contingency Planning
- Field Sampling

### Professional History

- AECOM Environment
- Lee & Pierce, Inc.
- Environmental Investigation Services, Inc.
- QTL Biosystems, LLC
- New Mexico Department of Health, Scientific Laboratory Division
- New Mexico Institute of Mining and Technology Atmospheric & Environmental Chemistry Research Lab
- New Mexico Bureau of Mining & Mineral Resources, Chemistry Division

### Education

- BS (Chemistry) New Mexico Institute of Mining & Technology (New Mexico Tech)

### Training

- 40-hour OSHA HAZWOPER Training
- Refresher &/or Initial General Site Worker Training Requirements
- Standard First Aid
- CPR - Adult
- Bloodborne Pathogens Training
- Hydrogen Sulfide Awareness Training For Exposure In Oil & Gas Prod. Fields & Industrial Facilities
- Environmental Due Diligence
- Effective Scientific and Technical Writing
- Environmental Auditor Training
- 9th Annual California Certified Unified Program Agency (Cal-CUPA) Training
- PARCEL eLearning Course
- Loss Prevention System Training

## Representative Project Experience

Compliance

**Phase I Environmental Site & Limited Compliance Assessment, Orange County, California.** Conducted assessment of a research and development (R&D) company that designs therapeutic health devices. On-site operations included laboratory and machine shop activities.

Limited compliance applied included Hazardous Materials Business Planning and Inventorying principles to comply with California legislation to meet the requirements of Sections 311 and 312 of the Emergency Planning and Community Right-to-Know Act (EPCRA) (SARA Title III); and wastewater discharge permitting principles to comply with local industrial waste program.

**Limited Compliance Assessment and Desktop Review, Ventura County, California.** Conducted a limited compliance assessment of two apartment home complexes. On-site improvements and activities were related to office buildings, hydraulic-powered elevators, pool and spa systems, maintenance shops, and storage areas.

Visual inspections of the on-site operations, reviews of facility files and records, reviews of federal and state governmental incident databases and files, and interviews with property personnel and governmental officials to evaluate the relative degree of compliance of on-site operations with key federal and state environmental regulations as they relate to hazardous waste; solid waste and asbestos-containing materials; conventional and toxic air emissions; underground and above ground storage tanks; wastewater discharges including storm water; and PCB management.

**Phase I Environmental Site & Limited Compliance Assessment, Santa Barbara County, California.** Conducted a Phase I ESA and compliance assessment of two corporate office buildings. On-site activities included corporate office, warehouse, and research and development operations. Specific components assessed included, hazardous materials and wastes handling, storm water, spill prevention, Emergency Planning and Community Right-to-Know (EPCRA), and health and safety programs.

**Phase I Environmental Site & Compliance Assessment, Los Angeles County, California.** Completed a Phase I ESA and compliance assessment of a shopping mall. Facilities assessed included representative retail businesses, food court eateries and on-site restaurants, and maintenance areas for areas including hazardous materials and waste handling, sanitary and storm water waste streams, and EPCRA reporting.

**Phase I Environmental Site Assessment & Compliance Evaluation, Maricopa County, Arizona.** Conducted a Phase I ESA of two industrial facilities located in Maricopa County, Arizona that clean and coat parts in support of semiconductor equipment and considered compliance with laws and permits with respect to the following issues as a minimum: Aqueous abstractions and discharges; Atmospheric emissions; Solid and hazardous waste management; Above and below ground tank management; Nuisance; Asbestos; Poly Chlorinated Biphenyls (PCBs). Information provided by the sites was further studied and correlated with existing information to determine findings and to prepare a Phase I ESA report.

Emergency Hazardous Material Spill Response***Hazardous Materials Business Response Plan, Victorville County, California.***

Assessed on-site hazardous chemical storage and operations and prepared completed agency plan forms for a dry dog food manufacturing plant. On-site hazardous materials and wastes inventoried included lubricating oils, insecticide mixture oil concentrate, diesel fuel, product ingredients containing oil, bulk storage of vegetable oil, and bulk storage of poultry fat.

Environmental Site Assessments

***Phase I Environmental Site Assessment, Maricopa County, Arizona.*** Assessment was conducted of warehouse, repair, and maintenance facilities for heavy-duty trucks and truck parts. Historical setting included on-site fueling operations and remedial action closure activities.

***Environmental Support with File Review, San Diego County, California.***

Conducted site assessment and file review to establish historical on-site remedial action activities including groundwater monitoring, and current site case status with local regulatory agency. Made recommendations for activities directed toward achieving site case closure, and in complying with State of California Geotracker database requirements.

***Phase I Environmental Site Assessment, Maricopa County, Arizona.*** Conducted assessment of a multi-story corporate office building. On-site improvements assessed included hydraulic-powered elevators, stormwater retention areas and on-site dry wells, a fuel-powered generator, storage areas, and a rooftop cooling plant. Focused assessment was conducted into observing each on-site tenant space. Assessment activities included American Society Testing Materials (ASTM) 1527 additional scope issues including visual observation for evidences of suspect asbestos-containing materials and of water intrusion and mold growth. Additionally, on-site improvements were investigated by conducting file reviews and interviews with government and regulatory agencies.

***Phase I Environmental Site Assessment, Clackamas & Washington Counties, Oregon.***

Conducted an assessment of warehouse distribution and office facilities. On-site retail warehousing activities included an on-site truck wash, a trailer maintenance shop, a fueling island; and fuel-powered generators, hydraulic-powered lifts, and storage areas including for lead-acid (wet-type) batteries to power forklifts.

***Timberlands Environmental Site Assessment, Alabama.*** Conducted assessment of 215,000 acres of timberland in accordance with American Society for Testing and Materials Standard (ASTM) Practice E 2247-02. Used GIS tracking to record routes and mark specific areas of potential environmental concern including log yards and camps, fuel use and storage, pesticide and herbicide use, burning practices, logging roads, sand and gravel pits, hunting camps and leases, and landfills.

***Phase I Environmental Site Assessment, Los Angeles County, California.***

Conducted assessment of an office/warehouse facility including an ancillary former hazardous materials storage building and truck loading docks. Assessment included review of local government records to identify historical improvements and uses.

***Phase I Environmental Site Assessment, San Diego County, California.***

Conducted assessment of agricultural property including historical fuel storage areas.

***Phase I Environmental Site Assessments, Santa Barbara County, California.***

Conducted assessment of tenant spaces located in three office buildings in the City of Santa Barbara. Presented findings on detailed predetermined form format provided by the user/client. Research included a detailed review of building department permit site record history.

***Phase I Environmental Site Assessment & File Reviews, San Diego County, California.***

Conducted assessment of two vacant parcels previously developed. Performed 1,500 page file review of site and adjoining sites based on their historically uses as former gasoline service stations, each with historical unauthorized releases affecting groundwater. Analyzed historical soil sampling, remediation activities, and groundwater monitoring data to identify potential environmental impacts to the site from historical uses associated with on-site contamination sources or from off-site contamination sources.

***Phase I Environmental Site Assessment, Kern County, California.*** Conducted assessment of an equipment and maintenance yard including an outdoor storage area for portable equipment used for petroleum dewatering applications, and including two shop buildings in support of metal fabrication and welding of heavy portable equipment, and oil research and development (R&D) laboratory activities.

***Phase I Environmental Site Assessment of Agricultural Orchards, Kern County, California.*** Assisted in completing a company-wide environmental due diligence portfolio as a report author of five orchard (e.g. almond, walnut) sites located in Southern California by using an online database Phase I ESA report collection and preparation tool, PARCEL.

***Phase I Environmental Site Assessment Portfolio, Los Angeles County, California.*** Was the lead assessor in a series of seven Phase I ESAs within the Phase I ESA portfolio which included assessment of non-scope ASTM 1527 items, including methane gas.

***Phase I Environmental Site Assessments, Florida and South Carolina.*** Assisted in completing a company-wide environmental due diligence portfolio as a report author of multiple sites located in Florida and South Carolina by using an online database Phase I ESA report collection and preparation tool, PARCEL.

***Phase I Environmental Site Assessment, Salt Lake County, Utah and Sweetwater County, Wyoming.*** Conducted a Phase I ESA of two planned plant location sites. In conducting the Phase I ESA, ENSR assessed the sites for visible signs of possible contamination, researched public records for the sites, and conducted interviews with representatives of regulatory agencies, the client, and those people deemed knowledgeable of the sites. ENSR successfully observed the sites during extreme weather conditions including snow cover and freezing temperatures.

***Phase I Environmental Site Assessments, Harris and Brazoria Counties, Texas.***

Conducted two Phase I ESAs of warehouse properties in conformance to the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments (E 1527-05), which meets the requirements of 40

CFR Part 312 and is intended to constitute all appropriate inquiry for purposes of the landowner liability protections (LLPs).

***Phase I Environmental Site Assessment, San Luis Obispo County, California.***

Conducted a Phase I Environmental Site Assessment (ESA) of a site that was first developed in with a garage/service station and residences. The ESA required the organization and review of a significant amount of environmental information. Site operations included former aboveground storage tanks (ASTs), associated product piping, and product dispensers, including an abandoned petroleum pipeline. The subject property was also used for outdoor vehicle storage and related activities. At the time of the ESA, the site was also undergoing pollution characterization under the lead regulatory agency oversight of the Regional Water Quality Control Board (RWQCB).

***Environmental Closeout Survey (ECS), Santa Barbara County, California.*** Two air force base facilities located at Vandenberg Air Force Base (AFB) were assessed as part of the Environmental Closeout Survey (ECS) in accordance with United States Air Force Instruction (AFI) #32-7066, "Environmental Baseline Surveys in Real Estate Transactions," dated April 25, 1994, and the American Society for Testing and Materials (ASTM) standard E1527-97, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process." The ECS was conducted in anticipation of terminating License agreements. ECS considerations included floodplain, vegetation, ecological characterization, wetlands, and cultural resources, aboveground and underground storage tanks, pipelines; hydrant fueling; and transfer systems, oil/water separators, pesticides, medical or biohazardous waste, radioactive wastes, wastewater treatment; collection; and discharge, drinking water quality, asbestos, polychlorinated biphenyls (PCBs), radon, and lead-based paint, including applicable regulatory compliance issues.

***Phase I Environmental Site Assessment, Orange County, California.*** Conducted a Phase I Environmental Site Assessment (ESA) of a site consisting of four multi-story office buildings, five single-story light industrial office/warehouse buildings, two single-story retail strip-malls, and one multi-level aboveground parking structure. Operations at the subject property included clerical/administrative; one urgent care clinic, one repairer of medical equipment, one small-scale printing and shipping/copying business, one dentist office, one optometry office, one salon and spa and retail/restaurant-type businesses. A former dry cleaner facility was identified adjacent to the subject property with impacts to soil and groundwater with chlorinated solvents at concentrations that exceed the State of California regulatory cleanup objectives. And, a former on-site gasoline station was also identified during the course of the ESA.

***Phase I Environmental Site Assessment, San Diego County, California.*** Phase I Environmental Site Assessments (ESAs) were conducted of two sites as part of a portfolio. The ESAs were conducted in accordance with American Society of Testing and Materials (ASTM) standard E 1527-05, and included an evaluation of non-standard ASTM components: asbestos, wetlands, water infiltration and potential mold-like growth, lead in drinking water, radon, high voltage power lines, underground pipelines and National Pollution Discharge Elimination System (NPDES) wastewater permits with respect to the Properties. At one of the sites assessed, one adjacent site was identified during the ESA to present a recognized environmental condition (REC);

and at the other site assessed, former on-site (USTs) were identified to be a historical REC (HREC).

***Phase I Environmental Site Assessments, Clark County, Nevada.*** Conducted multiple Phase I Environmental Site Assessments (ESAs) within Clark County, Nevada. Facilities assessed included commercial office/warehouse buildings and restaurants. Standard record sources consulted during ESA site visit activities included city and county offices for file reviews and library research.

***Phase I Environmental Site Assessment, Clark County, Nevada.*** Conducted a Phase I Environmental Site Assessment (ESA) of approximately 380 acres of vacant desert land located in El Dorado Valley. The subject property was assessed for visible signs of possible contamination, public records for the subject property were researched, and interviews were conducted with regulatory agencies and representatives from the property owner.

***Phase I Environmental Site Assessment, Kern County, California.*** Performed a Phase I Environmental Site Assessment (ESA) of 3,170 acres of vacant desert located within the Antelope Valley region of the Mojave Desert, in the vicinity of California City, Kern County, California. ESA activities identified portions of the subject property were part of a quarry and a former military gunnery range, including potential for unexploded ordnance (UXO) on-site.

***Phase I Environmental Site Assessment, Los Angeles County, California.*** Conducted a Phase I Environmental Site Assessment (ESA) of a natural gas, reclaimed water, potable water, and sewer pipeline routes that were proposed to support a hybrid power project. The ESA report was prepared to respond to a California Energy Commission (CEC) Waste Management Data Request. The length of the pipeline route was approximately 12 miles long, and the ESA included precursory environmental database report and online records reviews and research, followed by compilation of the site survey that was conducted of the proposed pipeline route and surrounding area.

***Phase I Environmental Site Assessment, Southern California.*** Conducted assessments of multiple self storage facilities throughout Southern California.

***Phase I Environmental Site Assessment, San Diego County, California.*** Conducted assessment in support of Environmental Due Diligence study for the purchase of a site being developed for a future gas-fired power plant. Site characteristics included existing biological and archeological conservation easements. Historical on-site activities investigated included cement truck cleanouts, refueling operations, and grading.

***Phase I Environmental Site Assessments, Southern and Northern California.*** Conducted assessments of corporate office buildings (e.g. multi-story, multi-tenant) and distribution warehouses.

On-site improvements assessed have included hydraulic-powered elevators and lifts, loading dock areas, fuel-powered generators, storage areas, and warehouse areas. Focused research was conducted into on-site historical tenant activities. Assessment activities have included American Society Testing Materials (ASTM) 1527 additional

scope issues included visual observation for apparent condition of suspect asbestos-containing materials and evidences of water intrusion and mold growth.

Additionally, off-site potential sources of environmental concern (e.g. abutting CERCLA sites with impacted groundwater from historical site operations) were identified and investigated by conducting regulatory file reviews and interviews with regulatory agencies.

#### NPDES Permitting

##### ***Storm Water Pollution Prevention Plan (SWPPP), Fresno County, California.***

Prepared a Storm Water Pollution Prevention Plan (SWPPP) for a heavy-vehicle brake manufacturing facility in Fresno County, California while addressing the current National Pollutant Discharge Elimination System (NPDES) regulations, 40 CFR Section 122.26, and complying with California's General Permit. Incorporated recently proposed changes for the storm water program in California, and made every effort to ensure that the SWPPP developed for the facility would comply with the new requirements. Tasks involved included a site visit, a Best Management Practice (BMP) assessment, and preparation of the Plan.

##### ***Storm Water Pollution Prevention Plan (SWPPP), Los Angeles County, California.***

Supported the completion of a Storm Water Pollution Prevention Plan (SWPPP) for a project site located within a State right-of-way, and the acquisition of an Encroachment Permit from the California Department of Transportation (CalTrans) that is in compliance with requirements of its National Pollutant Discharge Elimination System (NPDES) permit in regards to its submission to the Regional Water Quality Control Board (RWQCB).

##### ***Storm Water Pollution Prevention Plan (SWPPP) Training, Los Angeles County, California.***

Provided training on how to implement the Storm Water Pollution Prevention Plan (SWPPP) and associated Best Management Practices (BMPs) to client staff and contractors at a pre-construction meeting for the client's proposed project. Tasks included preparation of a PowerPoint presentation as well as attendance at the client's pre-construction meetings.

##### ***Storm Water Pollution Prevention (SWPP) Plan and Spill Prevention Control and Countermeasure (SPCC) Plan, Kern County, California.***

Amended both of the power plant facility's Storm Water Pollution Prevention Plan (SWPP) Plan, and its Oil Spill Prevention Control and Countermeasure (SPCC) Plan. The SWPP Plan was updated to meet the requirements of the State Water Resources Control Board (SWRCB) Water Quality Order No. 97-03-DWQ and the National Pollutant Discharge Elimination System (NPDES) General Permit. The SWPP Plan describes the mechanisms in place at the power plant facility to prevent the release of pollutants to the waters of the state. The SWPP Plan identified methods, best management practices (BMPs), training, inspection, and monitoring procedures to be employed by the power plant facility to prevent the exposure of stormwater to hazardous materials, and to prevent the release of hazardous materials into the stormwater discharge.

The Spill Prevention Control and Countermeasure (SPCC) Plan was prepared to include the items required by 40 CFR 112, including a discussion of the Facility's spill response organization, spill notification, spill response and spill reporting procedures.

***Storm Water Pollution Prevention Plan (SWPPP) and Spill Prevention Control and Countermeasure (SPCC) Plan, Los Angeles County, California.*** Prepared a Storm Water Pollution Prevention Plan (SWPPP) for a facility that conducts on-site aircraft parts and auxiliary equipment manufacturing to meet the requirements of the State of California's General Storm Water Permit (WQ Order No. 97-03 DWQ) and the National Pollution Discharge Elimination System (NPDES) General Permit No. CAS 000001 (General Permit). Identified the methods, best management practices (BMPs), training, inspection, and monitoring procedures that were implemented at the facility to prevent the release of hazardous materials or other potential pollutants into storm water discharges. The facility included indoor and outdoor plant operations.

#### Petroleum Spills Management

***Oil Spill Assessment Portfolio, Southern California.*** Conducted oil spill assessments of landfill gas to energy facilities located in Southern California.

#### Project Management

***Due Diligence, Western United States.*** Project manager for nearly 100 Phase I Environmental Site Assessments (ESAs), also including Phase II ESAs or other due diligence projects (e.g., file reviews, contaminated properties case closure work, wastewater pretreatment facilities, soil vapor intrusion, fuel station compliance oversight).

Included management of two 10-20 site Phase I ESA portfolios located in the vicinity of Chicago, Illinois where over half a dozen sites required Phase II ESAs.

#### Soil Borings

***Limited Phase II Environmental Site Assessment, Santa Barbara County, California.*** Conducted an assessment of a vacant parcel to evaluate soil and groundwater conditions in the area of a former on-site diesel-fuel underground storage tank (UST). Assessment activities included coordination of Geoprobe® sampling to a depth of approximately 20 feet below ground surface, and an analysis of laboratory analytical soil and groundwater sample results including total petroleum hydrocarbons in gasoline (TPH-G) and diesel-fuel (TPH-D) and for volatile organic compounds (VOCs).

***Limited Phase II Environmental Site Assessment, San Bernardino County, California.*** Conducted a limited Phase II ESA including eight soil borings at an industrial facility and oversaw a contracted truck mounted, hydraulically operated Geoprobe sampling system and crew. Attempts to advanced the borings to the proposed depth of 20 feet below ground surface (bgs) had to be negotiated as cobbles and/or boulders were encountered at drilling depths. Collected soil samples were screened with a photoionization detector (PID). The collected soil samples were preserved and extracted in accordance with U.S. EPA Method 5035.

Soil Sampling**Limited Phase II Environmental Site Assessment, Kern County, California.**

Conducted a Phase I ESA of a 20 acres of vacant land located in Bakersfield, California. Subsequently, soil sampling was conducted to evaluate numerous piles of soil that were present on-site in an effort to characterize the material. Successfully completed soil sampling by manually collecting five discrete soil samples from each soil pile section at a depth of approximately six inches, and the five discrete soil samples from each soil pile section were combined into one composite soil sample for laboratory analysis. Results were analyzed, and it was concluded that unidentified on-site soil piles or the historical use of the site did not significantly impacted the site.

**Closure of a Clarifier, Los Angeles County, California.** Managed the request for a permit from the Los Angeles County Department of Public Works (LACDPW) for closure of an on-site clarifier. Following successful receipt of the closure permit from LACDPW, conducted soil verification sampling, met with the LACDPW inspector while onsite, and documented removal of the on-site clarifier facility. Collected verification soil samples from the clarifier excavation in accordance with EPA Method 5035 for volatile organic analysis. Sampling and closure documentation/reporting resulting in the successful closure of the on-site clarifier facility from the LACDPW.

Soil Vapor Surveys**Start-Up Testing of Methane Mitigation System, Ventura County, California.**

Supported start-up testing of a methane mitigation system by monitoring for methane concentrations in the field using portable hand-held methane-specific instruments such as a flame-ionization detector (FID) and a LANDTEC 2000 Landfill Gas Indicator or equivalent instruments. Recorded barometric pressure with a barometer and measured subsurface concentrations of methane, oxygen, and carbon dioxide using a combination of the FID and LGI instruments. Measured indoor vent-riser pipes with the FID and LGI for methane concentrations.

Spill Contingency Plans**Spill Prevention Control and Countermeasure Plan (SPCC), Ventura County, California.**

Assessed on-site petroleum storage facilities and operations and prepared a plan based on SPCC requirements for a general aviation reliever airport. On-site potential petroleum pollutant sources evaluated included an aviation fuel tank farm, diesel fuel aboveground tanks associated with a deluge fire protection system, diesel fuel associated with an emergency backup generator, and used-oil storage.

**Spill Prevention Control and Countermeasure Plan (SPCC), Victorville County, California.**

Assessed on-site petroleum storage facilities and operations and prepared a plan based on SPCC requirements for a dry dog food manufacturing plant. On-site potential petroleum pollutant sources evaluated included lubricating oils, insecticide mixture oil concentrate, diesel fuel, product ingredients containing oil, bulk storage of vegetable oil, and bulk storage of poultry fat.

**Integrated Storm Water/Oil Spill Prevention Control and Countermeasure**

**(SPCC) Plan Updates Portfolio, Southern California.** Conducted site reconnaissance and modified original draft documents of a dozen natural gas compression facilities in order to reconcile and update their existing integrated SWPP (stormwater) and SPCC (oil spill) Plans.

***Oil Spill Prevention, Control, and Countermeasure (SPCC) Plan, Los Angeles County, California.*** Updated an Oil Spill Prevention, Control, and Countermeasure (SPCC) Plan for a facility that manufactures beverage cans. Facility operations evaluated included a tank farm with containment areas, bulk aboveground storage transfers, an indoor drum storage room, satellite collection areas and various process equipment within the manufacturing areas, and aboveground and belowground transformers.

***Oil Spill Prevention, Control, and Countermeasure (SPCC) Plan, Ventura County, California.*** Updated an Oil Spill Prevention, Control, and Countermeasure (SPCC) Plan for a facility that conducts technical testing for new vehicles. Facility operations included vehicle wash and fuel dispensing areas, including hazardous material storage areas and vehicle service areas.

***Integrated Spill Prevention Control and Countermeasure (SPCC) and RCRA Contingency Plan and Review, Northern and Southern California.*** Conducted and provided Spill Prevention Control and Countermeasure (SPCC) and RCRA Contingency Plan review and update services for four airport locations, including a total of nine aircraft line maintenance, hangar, terminal, hangar, and airline kitchen facilities. Integrated plans were prepared to comply with 40 CFR Part 112, as well as applicable waste Contingency Plan requirements under 40 CFR 264.

#### Publications

Detection of Single Nucleotide Mismatches via Fluorescent Polymer Superquenching  
Kushon, S.A.; Bradford, K.; Marin, V.; Suhrada, C.; Armitage, B.A.; McBranch, D.; Whitten, D.; Langmuir; (Article); 2003; ASAP Article; DOI: 10.1021/la034323v

Detection of DNA Hybridization via Fluorescent Polymer Superquenching  
Kushon, S.A.; Ley, K.D.; Bradford, K.; Jones, R.M.; McBranch, D.; Whitten, D.; Langmuir; (Communication); 2002; 18 (20); 7245-7249. DOI: 10.1021/la026211u

Bateman, Kirsten G., "K/Fe Ratio in Wood-Smoke", Sigma-Xi Poster Session, Albuquerque, NM, November 2000.