Phase I Environmental Site Assessment and Limited Soil Sampling

Assessor's Parcel Number 384-150-001
33521 Zeiders Road, Menifee, California 92584

Pemcor Properties, Inc.
PO Box 903
Rancho Santa Fe, CA 92067

SCS ENGINEERS

01222081.01 | October 31, 2022

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October 31, 2022
Project Number: 01222081.01

Mr. Paul Mayer
Pemcor Properties, Inc.
PO Box 903
Rancho Santa Fe, CA 92067

Subject: **Phase I Environmental Site Assessment (Assessment) and Limited Soil Sampling (Sampling)**

Site: **Assessor's Parcel Number (APN) 384-150-001**
33521 Zeiders Road, Menifee, California 92584

Dear Mr. Mayer:

SCS Engineers (SCS) is pleased to present this report (Report) of the Assessment and Sampling of the above-described Site. This Report summarizes the results of the Assessment that was conducted in order to evaluate the Site's current environmental conditions. The work described in this Report was performed by SCS in general accordance with Exhibit 01 to the Agreement for Professional Services (Contract) between SCS and Pemcor Properties, Inc. (Client). Exhibit 01 was fully executed on September 13, 2022. The Contract was fully executed on April 1, 2022.

Because your full understanding of the Assessment and Sampling is important to us, SCS recommends that you read the Report in its entirety. However, if time does not allow you a complete reading, summaries of the Assessment may be found in text boxes at the end of each section (pages 12, 19, and 22), and our conclusions and recommendations may be found on page 23 and 23. Conclusions and recommendation for the Sampling can be found on pages 27 and 28. A glossary of terms commonly used in environmental assessments is also provided in the Appendices to this Report.

SCS enjoyed working with you on this project. Providing economical environmental solutions to meet your needs is more than our goal—it is our mission and the measure of our success. If we may assist you in any way, now or in the future, please call our office at (858) 571-5500.

Sincerely,

Tyler Overton
Project Professional
SCS ENGINEERS

Jennifer Bauer Morton, PG 8617
Project Manager
SCS ENGINEERS



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1 BACKGROUND

Based on conversations with Pemcor Properties, Inc. (Client) and a review of in-house databases, SCS Engineers (SCS) understands that 33521 Zeiders Road (Site), consists of one approximately 19.57-acre parcel of land in the Sun City neighborhood of the City of Menifee, California (Figure 1). The Site is developed with one residential building and vacant land that was formerly used for agricultural purposes. The Client is proposing to purchase and potentially develop the Site into a business park with office/industrial uses.

A review of the in-house ParcelQuest database of information from the Riverside County Assessor's Office provided the following information in connection with the Site.

APN	Address	Area	Description
384-150-001	33521 Zeiders Road	19.57 acres	Agricultural

2 STANDARDS BACKGROUND- ASSESSMENT

This Assessment was conducted in general accordance with the following:

- U.S. Environmental Protection Agency (EPA), 40 Code of Federal Regulations (CFR) 312, Standards and Practices for All Appropriate Inquiries; Final Rule (AAI)
- American Society for Testing and Materials (ASTM) Standard Practice for Phase I Environmental Site Assessment Process E1527-13
- The scope, conditions, and limitations of Exhibit 01

The Client understands that the above-referenced EPA and ASTM standards were not developed to identify all environmental risk to property. The standards were developed to allow a user (Client) to qualify for the innocent purchaser defense, bona fide prospective purchaser defense, and contiguous property owner defense to the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA, a.k.a. Superfund) liability. This Assessment is intended to constitute an appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice, as part of the due diligence process required by CERCLA, the Superfund Amendments and Reauthorization Act of 1986, and the Small Business Liability Relief and Brownfields Revitalization Act of 2002 (collectively, Acts).

While this Assessment may initially qualify the Client for a CERCLA defense, after purchase, there may be continuing obligations that must be implemented in order to preserve this defense through the term of property ownership. There may be additional requirements under state law that also apply. The Client should contact qualified legal counsel regarding matters of liability, interpretation of the Acts, and potential continuing obligations. Although it is outside the scope of this Assessment, SCS would be pleased to work with the Client's legal counsel to develop and implement a strategy to preserve the Client's CERCLA liability defenses through the term of its ownership.

This Assessment focused on potential sources of hazardous substances and petroleum products that could be considered either a recognized environmental condition,[1] controlled recognized environmental condition,[2] or historical recognized environmental condition,[3] and potentially a liability due to their presence in significant concentrations (e.g., above acceptable limits set by the federal, state, or local government) or due to the potential for exposure and risk due to contaminant migration and complete exposure pathways (e.g., soil vapor inhalation or groundwater ingestion). Materials that contain substances that are not currently deemed hazardous by the EPA or the California Environmental Protection Agency were not considered as part of this Assessment.

Unless specifically included in SCS' scope of services, building materials such as asbestos, lead-based paint, urea formaldehyde, and pressure-treated lumber, as well as lead in drinking water, are not considered in this Assessment, nor are building issues such as fire safety, indoor air quality (with the possible exception of vapor intrusion), mold, or similar matters. SCS did not evaluate the Site for compliance with land use, zoning, wetlands, or similar laws. This Assessment also excludes regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, and high-voltage power lines. This Assessment is not intended to be an environmental compliance audit.

Hazardous substances occurring naturally in plants, soils, and rocks (e.g., heavy metals, naturally occurring asbestos, and radon) are not typically considered in these investigations. Similarly, construction debris (e.g., discarded concrete, asphalt) is not considered, unless obvious indications suggest that hazardous substances are likely to be present in significant concentrations or likely to migrate.

An evaluation of business environmental risk associated with a parcel of commercial real estate may necessitate investigation beyond that included herein.

3 OBJECTIVES

The objectives of the scope of services were:

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1 *Recognized environmental conditions*, as defined by ASTM, include the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. However, the term is not intended to include *de minimis* conditions (a condition that generally does not present a threat to human health or the environment and that generally would not be subject to an enforcement action if brought to the attention of appropriate governmental agencies). A condition considered *de minimis* is not a recognized environmental condition.

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

3 Historical recognized environmental condition, as defined by ASTM, is a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

- Assessment - Assess the likelihood that recognized environmental conditions are present at the Site as a result of the current or historical Site land use or from a known and reported off-Site source.

- Sampling - Assess the possible presence of constituents of concern (i.e., organochlorine pesticides (OCPs), metals, fecal coliform) associated with the reported previous application of biosolids/ sewage sludge at the Site.

4 SCOPE OF SERVICES- ASSESSMENT

The scope of services designed and conducted to meet the objective was as follows:

- Site Reconnaissance, Site Research, Interviews, and User Requirements
- Topography, Geology, Hydrogeology, and Water Quality Survey
- Site Vicinity Reconnaissance and Off-Site Source Survey
- Historical Site and Site Vicinity Land Use Review
- Identification of Data Gaps
- Data Evaluation, Figure Preparation, and Assessment Report Preparation

SITE RECONNAISSANCE

On September 14 and October 3, 2022, SCS personnel conducted Site reconnaissance to observe and document existing Site conditions.[i] The general Site location is shown in Figure 1, and a Site and Site Vicinity Plan is shown in Figure 2. Selected color photographs of the Site and Site vicinity are presented as Figures 3a through 3f.

The Site buildings were observed, and the Site grounds and Site perimeter were systematically traversed on foot during the Site reconnaissance. SCS personnel was unaccompanied during the Site reconnaissance.

General Information

The following table summarizes general information in connection with the Site.

APN	384-150-001
Address	33521 Zeiders Road, Sun City, CA 92584
Area	19.57 acres
Site Land Use	Residential
Occupant	Residential tenants
Figure Reference	Figures 3a-1 through 3d-1

Site Buildings

The following table summarizes information in connection with the Site buildings.

Number of Buildings	2
Interpreted Construction Date	Circa late 1960s
Number of Stories	1
Construction Type	Wood frame, stucco-covered exterior walls, concrete slab-on-grade foundations
Figure Reference	Figure 3d-1

The Site buildings were observed to consist of one single-family residence and one free-standing garage. Access to the interiors of these buildings was not available during the time of Site reconnaissance due to tenant privacy concerns; however, based on our observations from the exterior, the Site buildings appear to be used for residential purposes. No hazardous materials storage areas were observed to be stored around the exterior of the Site buildings (Figure 3d-1).

Site Grounds

The Site grounds were observed to consist of empty dirt fields with limited landscaping, mainly near the single-family residence (Figures 3a-1 through 3b-2). No active agriculture was observed within the Site grounds during the time of Site reconnaissance. A water storage tank (Figure 3c-1) was observed to be located adjacent to the north of the on-Site residence and was reported to be used solely for irrigation purposes. A propane tank was observed to be located adjacent to the south of the garage (Figure 3c-2). Barbed-wire fencing was observed at the northern, eastern and western edges of the Site perimeter. No additional exterior hazardous waste storage areas were observed.

Hazardous Materials/Petroleum Products

Hazardous materials and petroleum products observed to be used or stored at the Site are summarized in the table below.

Hazardous Materials / Petroleum Products	Storage Location	Approximate Amount
Propane	Adjacent to the south of the garage	Approximately 500 gallons

The propane was observed to be stored in an appropriate tank with no obvious evidence of spills or releases.

Hazardous Wastes

No obvious indications of the generation of hazardous wastes were observed at the Site during the Site reconnaissance.

Indications of Releases of Hazardous Materials/Wastes or Petroleum Products

No obvious indications were observed that a release of hazardous materials/wastes or petroleum products had occurred at the Site.

On-Site Utilities

Gas and Electricity	Reported to be Southern California Edison
High-power Transmission Lines	None observed at or adjacent to the Site
Storm Drains	None observed to be located at the Site
Source of Heating and Cooling	Reported to be Southern California Edison
Potable Water Source	Reported to be operated by the Eastern Municipal Water District
Wastewater Conveyance	Unknown, either septic system or operated by the Eastern Municipal Water District

With the possible exception of a water irrigation tank and a propane tank, described in the "Site Grounds" section above, no obvious indications of wells, cisterns, pits, sumps, dry wells, or bulk storage tanks were observed at the Site.

SITE RESEARCH

Department of Environmental Health (DEH) File Review

The County of Riverside Department of Environmental Health (DEH) was contacted[ii] regarding regulatory files associated with the Site. The DEH indicated that there are no files associated with the Site. A copy of the DEH records request is included in the Appendices.

City of Menifee Permitted Biosolids/Sludge Application Map

Based upon a review of the City of Menifee's Permitted Biosolids/Sludge Application Map, the Site is shown as an area where Composite Fields (i.e., biosolids/ sewage sludge) were present.

Based on a review of a City of Menifee City Council minutes regarding revisions to the development application process for vacant and undeveloped land within the City dated May 1, 2012, this document indicates that biosolids/sewage sludge were historically applied in the City of Menifee and

County of Riverside as a fertilizer, both legally under permit and illegally. Types of sewage applied included Class A (treated to remove 99.9% of disease-causing bacteria), and Class B (not treated to the extent of Class A sewage). The Menifee City Council minutes recommended that for areas where sludge and/or other biosolid application occurred, soil samples are required to be collected in such areas and analyzed for the following (or the most recent analytical methods thereof):

- Title 22 metals by Environmental Protection Agency (EPA) Methods 6010B/7471A;
- Fecal coliform by SM9221-ABCE; and
- OCPs by EPA Method 8081A

The sampling should be conducted under the oversight of a State of California registered Professional Geologist or registered Civil Engineer, and shall be conducted in conformance with the State of California Department of Toxic Substance Control (DTSC) issued guidance document titled *Interim Guidance for Sampling Agricultural Properties (Third Revision)*, dated August 7, 2008 (DTSC Guidance). Soil sampling depths and frequency shall be determined based on the DTSC Guidance document.

The presence of biosolids/ sewage sludge would be considered a recognized environmental condition if residual concentrations of metals, fecal coliform, and/or OCPs are present in the shallow soil at the Site above applicable regulatory screening levels. SCS recommended that soil testing be conducted at the Site for pesticide residues, fecal coliform, and Title 22 metals (including arsenic) due to the reported historical application of biosolids/sludge at the Site.

SCS completed soil sampling at the Site on October 3, 2022 to follow up on the above recommendations, which is further discussed in the Sampling portion of this report below.

Building and Fire Department Records Review

The City of Menifee was contacted regarding hazardous materials/waste or UST and building records for Site.[iii] The City of Menifee reported that no records were available for the Site. A copy of the City of Menifee correspondence letter is included in the Appendices.

South Coast Air Quality Management District (SCAQMD) Records Review

The SCAQMD was contacted[iv] regarding records for the Site. The SCAQMD responded that no records were available for the Site. A copy of the SCAQMD records request for the Site is included in the Appendices.

Industrial Wastewater Program (IWP) Records Review

The City of Menifee was contacted[v] regarding records for the Site. According to the City of Menifee, no records were available for the Site. A copy of the City of Menifee correspondence letter is included in the Appendices.

Regional Water Quality Control Board (RWQCB) Records Review

The RWQCB was contacted[vi] regarding records for the Site. According to the RWQCB, no records are maintained for the Site. A copy of the RWQCB response for the Site is included in the Appendices.

Riverside County Agricultural Department of Weights and Measures Records Review

The Riverside County Agricultural Department of Weights and Measures was contacted[vii] regarding records for the Site. According to the Department of Weights and Measures, no records are maintained for the Site. A copy of the Department of Weights and Measures records request for the Site is included in the Appendices.

INTERVIEWS

The previously referenced EPA and ASTM standards require that attempts be made to conduct interviews with past and present owners and occupants of the Site to obtain information indicating recognized environmental conditions in connection with the Site. As part of this Assessment, the following contacts were either interviewed or attempts were made to conduct interviews.

Contact	Affiliation to Site	Description	Interview Date
Mr. Paul Mayer	Proposed purchaser of the Site	Discussed below	10/5/2022

Mr. Paul Mayer of Pemcor, the proposed purchaser of the Site and User of this Assessment, stated that, to his knowledge, and with the possible exception of previous agricultural related activities, hazardous materials and petroleum products were not used or stored at the Site and that hazardous wastes were not generated at the Site. Also, to his knowledge, there have been no releases of hazardous materials, petroleum products, and/or hazardous waste at the Site. Mr. Mayer stated that the above-ground water storage tank was used strictly for irrigation purposes.

Mr. Mayer stated that he was not aware of environmental cleanup liens or activity and use limitations (e.g., engineering controls, deed restrictions) that have been recorded for the Site. He was not aware of pending or threatened litigation or administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Site. He was not aware of notices from governmental entities regarding possible violations of environmental laws or possible liability relating to hazardous substances or petroleum products at the Site.

USER REQUIREMENTS

In order to qualify for one of the landowner liability protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (discussed in the "Background" section), 40 CFR 312 requires that the user (Client) provide the following information to the environmental professional. Mr. Paul Mayer, President of Pemcor Properties, Inc., completed the User Questionnaire on September 21, 2022. The following table summarizes the responses by the Client.

Question	Response
Have environmental cleanup liens been filed or recorded against the Site?	No
Are activity or land use limitations in place at the Site, or have they been filed or recorded in the registry?	No

Does the user have specialized knowledge or experience in connection with the Site?	No
Does the purchase price being paid for the Site reasonably reflect the fair market value of the Site?	Yes
Is the Client aware of commonly known or reasonably ascertainable information about the Site that would indicate releases or threatened releases?	No*
Are there obvious indications that point to the presence of contamination at the Site?	No

*Mr. Mayer stated that he has been advised that the previous Site land use was agricultural

DATA GAPS IN CONNECTION WITH CURRENT SITE LAND USE

Based on observations and research, and with the possible exceptions discussed below, there are no obvious indications of data gaps in connection with the current Site land use:

- Mr. Mayer did not have contact information for current or previous owners or tenants of the Site. Therefore, interviews were not conducted with previous Site owners or current or previous tenants. This data gap is not a significant data gap in our opinion based on the availability of other relevant information.

- Access to the interior of the single-family residence and garage were not available during the time of Site reconnaissance. This data gap is not a significant data gap in our opinion based on the interpreted residential use of the Site based on exterior observations and interviews with the Client, and the availability of other relevant information.

Findings and Opinions—Current Site Land Use

Based on observations and research and with the exceptions below, it is our opinion that there are no recognized environmental conditions at the Site as a result of the current Site land use.

City of Menifee Permitted Biosolids/Sludge Application Map

Based upon a review of the City of Menifee's Permitted Biosolids/Sludge Application Map, the Site is shown as an area where Composite Fields (i.e., biosolids/ sewage sludge) were present. Based on a review of a City of Menifee City Council minutes regarding revisions to the development application process for vacant and undeveloped land within the City dated May 1, 2012, this document indicates that biosolids/sewage sludge were historically applied in the City of Menifee and County of Riverside as a fertilizer, both legally under permit and illegally. Types of sewage applied included Class A (treated to remove 99.9% of disease-causing bacteria), and Class B (not treated to the extent of Class A sewage). The Menifee City Council minutes recommended that for areas where sludge and/or other biosolid application occurred, soil samples are required to be collected in such areas and analyzed for the following (or the most recent analytical methods thereof):

- Title 22 metals by Environmental Protection Agency (EPA) Methods 6010B/7471A;
- Fecal coliform by SM9221-ABCE; and
- OCPs by EPA Method 8081A

Findings and Opinions—Current Site Land Use
The sampling should be conducted under the oversight of a State of California registered Professional Geologist or registered Civil Engineer, and shall be conducted in conformance with the State of California Department of Toxic Substance Control (DTSC) issued guidance document titled *Interim Guidance for Sampling Agricultural Properties (Third Revision)*, dated August 7, 2008 (DTSC Guidance). Soil sampling depths and frequency shall be determined based on the DTSC Guidance document. The presence of biosolids/ sewage sludge would be considered a recognized environmental condition if residual concentrations of metals, fecal coliform, and/or OCPs are present in the shallow soil at the Site above applicable regulatory screening levels. SCS recommends that soil testing be conducted at the Site for pesticide residues, fecal coliform, and Title 22 metals (including arsenic) due to the reported historical application of biosolids/ sewage sludge at the Site. SCS completed soil sampling at the Site on October 3, 2022 to follow up on the above recommendations, which is further discussed in the Sampling portion of this report below.

TOPOGRAPHY, GEOLOGY, HYDROGEOLOGY, AND WATER QUALITY SURVEY

Topography

A topographic map for the Site vicinity was reviewed and is summarized in the following table.

Reported Elevation	1,575 to 1,580 feet above mean sea level
Reported Slope Direction	Slopes gently down to the north/northeast
Source	United States Geological Survey 7.5 Minute Topographic Map, Romoland Quadrangle, California – Riverside County, 2018

Geology

A geological map for the Site vicinity was reviewed and is summarized in the following table.

Reported Formation	Monzogranite to granodiorite (Kpvg)
Reported Description	Pale gray, massive, medium-grained hypidiomorphic-granular biotite monzogranite, and less abundant hornblende-biotite granodiorite forming older ring dike. Contains inclusions of small to large stoped blocks of gabbro.
Source	United States Geologic Survey Preliminary Digital Geologic Map of the Santa Ana 30' x 60' Quadrangle, Southern California, 2004, https://pubs.usgs.gov/of/1999/of99-172/sanana2.pdf

Hydrogeology

Data regarding depth to groundwater and flow direction for the Site were not readily available. In the absence of Site-specific data, depth to groundwater and flow direction information was reviewed for properties within the Site vicinity using the State Water Resources Control Board GeoTracker database. The following table summarizes the results of this review.

Property Location	Adjacent to the south of the Site, 33751 Zeiders Road, Sun City, CA
Reported Depth to Groundwater	Estimated to be 18 to 24 feet below grade
Reported Groundwater Flow Direction	Estimated to be northeast
Source	County of Riverside Department of Environmental Health, Hazardous Materials Management Division *Case Closure Summary for Leaking Underground Fuel Storage Tank Program for 33751 Zeiders Road, Sun City*, dated October 18, 1999

Many variables influence depth to groundwater and flow direction and the actual depth to groundwater and flow direction at the Site may be different than presented in this section.

Water Quality Survey

The following table summarizes the reported water quality in the Site vicinity.

Reported Hydrologic Subarea	Menifee (802.12)
Reported Hydrologic Area	Perris (802.1)
Reported Hydrologic Unit	San Jacinto River (802)
Reported Beneficial Use	Municipal, agricultural
Source	https://geotracker.waterboards.ca.gov/

SITE VICINITY RECONNAISSANCE AND OFF-SITE SOURCE SURVEY

Current Site Vicinity Conditions

The following table summarizes land use and observations in the immediate Site vicinity.[viii] For the purpose of this Report, the immediate Site vicinity includes those properties judged to be adjacent[4] to the Site.

Direction	Land Use	Comments
North	Single-family residential (33387 Zeiders Road and 33466 Howard Way) (Figure 3d-2)	No obvious indications of the use, storage, or generation of hazardous materials/wastes or petroleum products were observed.
Northeast	Warehouse (33380 Zeiders Road) (Figure 3e-1)	
East	Vacant graded land (APNs 384-150-009 and -011)(Figure 3e-2)	
South	Single-family residential/**orchard** (33751 Zeiders Road) (Figure 3f-1)	No obvious indications of the use, storage, or generation of hazardous materials/wastes or petroleum products were observed; however, hazardous materials/wastes are judged likely to be present as discussed in the "Additional SCS Research" section below.
West	Single-family residential (33634 Howard Way) and vacant land (APN 384-110-012) (Figure 3f-2)	No obvious indications of the use, storage, or generation of hazardous materials/wastes or petroleum products were observed.

Environmental Regulatory Database Report

An environmental regulatory database report (Radius Map™ report[ix]) was prepared by EDR for the Site. Local, state, and federal regulatory databases were reviewed for the Site and for those facilities within up to 1 mile of the Site. The Radius Map™ report was reported to have been prepared in general accordance with the ASTM standard for the regulatory database review for Phase I Environmental Site Assessments. The locations of the referenced facilities relative to the Site are shown on the overview maps, included in the Radius Map™ report. A description of the various databases, as well as the date each database was most recently updated, is included in the Radius Map™ report. The Radius Map™ report is included in the Appendices to this Report.

4 *Adjacent* is defined by ASTM E1527-13 as any real property or properties the border of which is contiguous or partially contiguous with that of the Site or that would be contiguous or partially contiguous with that of the Site but for a street, road, or other public thoroughfare separating them.

Based on a review of the Radius Map™ report, the following table summarizes the facilities within the selected search radii and whether the Site or a facility that was interpreted to be adjacent to the Site was listed on each database.

Federal or State Government Database	Search Radius	Number of Reported Facilities	On Site	Adjacent to the Site
National Priorities List (NPL)	1.00 mile	0	No	No
NPL Delisted	1.00 mile	0	No	No
Superfund Enterprise Management System (SEMS)	0.50 mile	0	No	No
No Further Remedial Action Planned (NFRAP)	0.50 mile	0	No	No
Resource Conservation and Recovery Act– Corrective Action (RCRA COR ACT)	1.00 mile	0	No	No
RCRA Treatment and Disposal Facilities (RCRA TSD)	0.50 mile	0	No	No
RCRA Generators (RCRA GEN)	0.25 mile	1	No	No
Federal Engineering and Institutional Controls (IC/EC)	0.50 mile	0	No	No
Emergency Response Notification System (ERNS)	0.12 mile	0	No	No
State/Tribal-Equivalent NPL	1.00 mile	0	No	No
State/Tribal-Equivalent CERCLIS (ENVIROSTOR)	1.00 mile	1	No	No
State/Tribal Solid Waste List (SWL)	0.50 mile	0	No	No
State/Tribal Leaking Underground Storage Tanks (LUST)	0.50 mile	3	No	Yes
State/Tribal Underground/Aboveground Storage Tanks (USTs/ASTs)	0.25 mile	0	No	No
State/Tribal Voluntary Cleanup Program (VCP)	0.50 mile	0	No	No
Federal Brownfields	0.50 mile	0	No	No
Local Lists of Landfill / Solid Waste Disposal Sites	Site only to 0.050 mile	0	No	No
Local Lists of Hazardous Waste/Contaminated Sites (CERS Hazwaste)	Site only to 1.00 mile	1	No	No

Federal or State Government Database	Search Radius	Number of Reported Facilities	On Site	Adjacent to the Site
Local Lists of Registered Storage Tanks (Historic UST)	0.25 mile	1	No	Yes
Local Land Records (DEED)	0.50 mile	0	No	No
Records of Emergency Release Reports	Site only	0	No	N/A
Other (RCRA NonGen, Cortese, Historical Cortese)	0.12 mile	5	No	Yes
EDR High Risk Historical Records (Historic Auto, Historic Cleaner, Manufactured Gas Plant [MGP])	0.125 mile	0	No	No
Exclusive Recovered Government Archives	Site only	0	No	N/A

The Site was not listed on any of the regulatory databases reviewed.

Off-Site facilities listed in the Radius Map™ report were evaluated as to their potential to impact the Site. The databases included in the Radius Map™ report can be grouped into two general categories: databases reporting unauthorized releases of hazardous substances or petroleum products (e.g., LUSTs, RCRA COR ACT facilities, National Priorities List [a.k.a. Superfund] sites) and databases reporting permitted hazardous materials users and hazardous waste generators for which a release has not been reported to, and recorded by, the regulatory agency.

SCS evaluated each of the off-Site facilities listed in the Radius Map™ report as to their potential to impact the Site, based on the following factors:

- Reported distance of the facility from the Site[5]
- The nature of the database on which the facility is listed, and/or whether the facility was listed on a database reporting unauthorized releases of hazardous materials, petroleum products, or hazardous wastes
- Reported case type (e.g., soil only, failed UST test only)

[5] Based on "Technical Justification for Groundwater Media-Specific Criteria," (Groundwater Study) (March 2012) developed to support the state of California "Low Threat Closure Policy" (adopted May 2012), "plume length studies recognize that petroleum plumes stabilize in length due to natural attenuation." The Groundwater Study goes on to cite Shih et al., 2004 that a peer-reviewed study of plume lengths at 500 petroleum UST sites in the Los Angeles area is widely accepted as representative of plume lengths at California UST sites. Shih et al. reports methyl tertiary butyl ether (MTBE), with 90th percentile maximum plume lengths of 540 feet. Therefore, the detailed review radius for open groundwater cases has been conservatively established by SCS at 0.20 mile (approximately 1,000 feet). For non-release cases (e.g., permitted facilities), only those facilities that were judged to be immediately adjacent to the Site were interpreted to have the potential to represent a recognized environmental condition.

- Reported substance released (e.g., chlorinated solvents, gasoline, metals)
- Reported regulatory agency status (e.g., case closed, "no further action")
- Location of the facility with respect to the reported groundwater flow direction and depth to groundwater (discussed in the "Hydrogeology" section of this Report)

Based on one or more of the factors listed above, and with possible exceptions discussed in the "Additional SCS Research" section below, there is a low likelihood that the off-Site facilities listed in the Radius Map™ report represent a recognized environmental condition in connection with the Site.

EDR listed three facilities as being "orphans," which are facilities for which EDR does not have sufficient information to accurately locate them on a map. Based on a review of the orphans, it is interpreted that none of the facilities are within the requisite search radii for their reported database listings.

Additional SCS Research

Local Case No: 99-15244, Bouris Ranches, 33751 Zeiders Road, adjacent to the south of the Site

Based on its listing on the LUST, Cortese and CERS databases and its proximity to the Site, the County of Riverside Department of Environmental Health, Hazardous Materials Management Division *Case Closure Summary 33751 Zeiders Road*, was reviewed. The Case Closure summary indicated that three underground storage tanks were removed from this property on April 13, 1999 (one 4,500 gallon diesel tank, one 3,500-gallon gasoline tank, and one 6,500 diesel tank). Initial soil samples collected during the tank removal indicated that diesel was present at approximately 4 feet below the bottom of the tanks at 1,800 ppm. A secondary excavation occurred on July 6, 1999 and extended to 20 feet below ground surface. Approximately 150 tons of contaminated soil were removed during this secondary excavation. Samples collected after the completion of the secondary excavation were found to be non-detect for benzene and MTBE. It was estimated that approximately 45 cubic yards of contaminated soil may still be present at depths of 17 to 20 feet below the location of the former underground storage tanks. No groundwater was encountered during the tank removal or subsequent excavation.

The County of Riverside DEH issued their case closure based on the fact that a majority of the source (diesel contaminated soil) was removed from the facility and that neither benzene nor MTBE were detected in any of the subsequent soil samples collected after the secondary excavation, and that groundwater does not appear to have been impacted.

Based on the fact that a majority of the source (diesel contaminated soil) was removed from this facility, that neither benzene or MTBE were detected in any of the subsequent soil samples collected after the secondary excavation, and that groundwater does not appear to have been impacted, there is a low likelihood that a recognized environmental condition exists at the Site in connection with the listing of this facility on the LUST, Cortese and CERS databases.

California Geological Energy Management Division (CalGEM)

SCS personnel reviewed the CalGEM WellFinder website regarding oil and gas well locations within 1 mile of the Site.[x] There were no wells interpreted to be located within a 1-mile radius of the Site.

DATA GAPS IN CONNECTION WITH OFF-SITE SOURCES

Based on the Site vicinity reconnaissance and off-Site source survey, there are no obvious indications of data gaps in connection with off-Site sources.

Findings and Opinions—Off-Site Source Survey
Based on the off-Site source survey, several facilities in the Site vicinity were reported to have had releases of hazardous materials/waste or petroleum products. However, it is our opinion that there are no recognized environmental conditions at the Site as a result of known and reported releases of hazardous materials/wastes or petroleum products from an off-Site source. This opinion is based on one or more of the following: reported regulatory status (e.g., case closed), media affected (e.g., soil contamination only), distance from the Site, direction from the Site with respect to reported groundwater flow direction, and information obtained through a review of County of Riverside Department of Environmental Health files.

HISTORICAL LAND USE REVIEW

In accordance with the ASTM Standard and AAI rule, numerous reasonably ascertainable standard historical information sources were reviewed, and an attempt was made to interpret the historical Site and Site vicinity land use back to the obvious first developed use of the Site. Historical information was reviewed for the Site and the following table summarizes the historical resources reviewed as part of this Assessment.

Resource	Source	Years Available
Aerial Photographs	EDR and NETR Online http://www.historicaerials.com/	1938, 1949, 1953, 1961, 1967, 1978, 1985, 1989, 1996, 2002, 2006, 2012, 2016, 2018, 2020
Sanborn Fire Insurance Maps	EDR	No coverage
Topographic Maps	NETR Online http://www.historicaerials.com/	1943, 1954, 1962, 1968, 1975, 1979, 1985, 2012, 2015, 2018, 2022
Interviews	Not applicable	Discussed in the "Interviews" section above

Historical Site Land Use

The following table provides a chronology of the apparent historical Site land uses, as interpreted from a review of information from the sources referenced.

Year	Interpreted Site Tenants	Interpreted Site Use
1938	None	Vacant land, possibly used for **dry farming.** Two small drainages traverse the Site from south to north
1943-1954	None	Land use not depicted on topographic map reviewed, although interpreted to consist of vacant land, possibly used for **dry farming.** A small seasonal stream is shown bisecting the central portion of the Site
1961-2018	Various residential tenants	Single-family residence located in its current location within the northeastern quadrant of the Site surrounded by vacant land, possibly used for **dry farming.** A small seasonal stream is present within the western portion of the Site
2020-2022	Various residential tenants	Single-family residence, with a small seasonal stream present within the western portion of the Site

Because many of the dates listed above are based on a limited selection of historical resources, they are considered to be approximations only; the actual beginning/ending dates for many of the Site uses listed above may have been earlier or later than indicated.

With the possible exceptions described below, no obvious historical facilities, features of concern, or land uses indicative of the use, storage, or generation of hazardous materials/wastes or petroleum products were found in the historical resources reviewed.

With the exception of the possible use of the Site for dry farming uses between approximately 1938 and 2018, which is further discussed below, no obvious historical facilities, features of concern, or land uses indicative of the use, storage, or generation of hazardous materials/wastes or petroleum products were found in the historical resources reviewed.

Based on a review of historical aerial photographs, the Site and the Site vicinity appeared to be either vacant land or utilized for dry-land farming in aerial photographs dated 1938 to 2018. According to the Interim Guide for Sampling Agricultural Properties issued by the Department of Toxic Substances Control (DTSC) and dated August 7, 2008, the DTSC states that land used for grazing or pasture does not require agricultural sampling, and that land used for dry-land farming does not need further investigation for pesticides or metals. Based on the possible use of the Site and Site vicinity for grazing land and/or dry-land farming, and the current regulatory guidance regarding these types of land uses, there is a low likelihood of a recognized environmental condition at the Site relating to this possible historical Site land use.

Historical Site Vicinity Land Use

The following table provides a chronology of the apparent historical Site vicinity land uses as interpreted from a review of information from the sources referenced.

Years	Interpreted Site Vicinity Tenants	Interpreted Site Vicinity Use
33387 Zeiders Road and 33466 Howard Way (North)		
1938-1968	None	Vacant land, possibly used for **dry farming.** Two small streams are shown bisecting the western and central portions of the property
1975-2022	Various residential tenants	Single-family residence located in its current location within the eastern portion of the property and surrounded by vacant land, possibly used for **dry farming.** Two small streams are present in the eastern portion of the property
APNs 384-150-009 and -011 (East)		
1938-2002	None	Vacant land, possibly used for **dry farming**
2005-2012	Unknown	Vacant land, possibly used for dry farming to the east of the northern portion of the Site; multiple small buildings and trucks or storage containers to the east of the south side of the Site.
2016-2022	None	Vacant, graded land
33380 Zeiders Road (Northeast)		
1938-2010	None	Vacant land, possibly used for **dry farming**
2016	None	Vacant, graded land
2018-2022	Commercial tenant	Warehouse
33751 Zeiders Road (South)		
1938-1979	Various residential tenants	Farm buildings and vacant land located in the southeastern portion of the property with a small stream bisecting the property, possibly used for **dry farming**

Years	Interpreted Site Vicinity Tenants	Interpreted Site Vicinity Use
1985-2022	None	Expanded farm buildings and vacant land with a small stream bisecting the property, possibly used for **dry farming**
33634 Howard Way (West)		
1938-1996	None	Vacant land, possibly used for **dry farming**
2002-2022	Various residential tenants	Single-family residential
APN 384-110-012 (West)		
1938-2022	None	Vacant land, possibly used for **dry farming**

Because many of the dates listed above are based on a limited selection of historical resources, they are considered to be approximations only; the actual beginning/ending dates for many of the Site vicinity uses/development described above may have been earlier or later than indicated.

With the possible exceptions described below, no obvious historical facilities, features of concern, or land uses indicative of the use, storage, or generation of hazardous materials/wastes or petroleum products were found in the historical resources reviewed.

A review of aerial photographs and topographic maps revealed that dry farming agricultural activities took place within the Site vicinity between 1938 and 2022. Please see "Historical Site Land Use" section above for further discussion on historic dry farming activities.

DATA GAPS IN CONNECTION WITH THE HISTORICAL SITE LAND USE

Readily available historical information was limited, and information was not available that would provide 5-year data intervals between the following years: 1943 and 1949, 1954 and 1961, 1962 and 1967, 1968 and 1975, 1979 and 1985, 1989 and 1996, 1996 and 2002, and 2006 to 2012. Based on the corroborating data from the historical information reviewed (i.e., the Site was interpreted to have been used for residential or agricultural purposes in each of these years), SCS judged it likely that the historical Site land use during this time period was not significantly different from the interpretation presented in the table above. Based on SCS' experience and available historical information, the Site was interpreted to have possibly first been developed for residential or agricultural use.

Findings and Opinions—Historical Site and Site Vicinity Land Use

Based on a review of historical resources, and with the possible exception of historic biosolids/sewage sludge application at the Site that is further discussed in the "Site Research" section above, it is our opinion that there are no recognized environmental conditions at the Site as a result of a release of hazardous materials/wastes or petroleum products from a known or interpreted historical Site or Site vicinity land use.

5 CONCLUSIONS AND RECOMMENDATION - ASSESSMENT

SCS has performed an Assessment of 33521 Zeiders Road, Menifee, California 92584 (Site), in general conformance with the ASTM Standard Practice for Phase I Environmental Site Assessment Process E 1527-13 and the EPA, 40 CFR 312, Standards and Practices for All Appropriate Inquiries, Final Rule (AAI). Any exceptions to, or deletions from, the ASTM and AAI Scope of Work were previously described in this Report where applicable.

With the possible exception below, this Assessment has revealed no evidence of a recognized environmental condition in connection with the Site.

City of Menifee Permitted Biosolids/Sludge Application Map

Based upon a review of the City of Menifee's Permitted Biosolids/Sludge Application Map, the Site is shown as an area where Composite Fields (i.e., biosolids/ sewage sludge) were present. Based on a review of a City of Menifee City Council minutes regarding revisions to the development application process for vacant and undeveloped land within the City dated May 1, 2012, this document indicates that biosolids/sewage sludge were historically applied in the City of Menifee and County of Riverside as a fertilizer, both legally under permit and illegally. Types of sewage applied included Class A (treated to remove 99.9% of disease-causing bacteria), and Class B (not treated to the extent of Class A sewage). The Menifee City Council minutes recommended that for areas where sludge and/or other biosolid application occurred, soil samples are required to be collected in such areas and analyzed for the following (or the most recent analytical methods thereof):

- Title 22 metals by Environmental Protection Agency (EPA) Methods 6010B/7471A;
- Fecal coliform by SM9221-ABCE; and
- OCPs by EPA Method 8081A

The City Council minutes further indicated that sampling should be conducted under the oversight of a State of California registered Professional Geologist or registered Civil Engineer, and shall be conducted in conformance with the State of California Department of Toxic Substance Control (DTSC)-issued guidance document titled *Interim Guidance for Sampling Agricultural Properties (Third Revision)*, dated August 7, 2008 (DTSC Guidance). Soil sampling depths and frequency shall be determined based on the DTSC Guidance document.

The presence of biosolids/ sewage sludge would be considered a recognized environmental condition if residual concentrations of metals, fecal coliform, and/or OCPs were present in the shallow soil at the Site above applicable regulatory screening levels. SCS recommends that soil testing be conducted at the Site for pesticide residues, fecal coliform, and Title 22 metals (including arsenic) due to the reported historical application of biosolids/ sewage sludge at the Site.

SCS completed soil sampling at the Site on October 3, 2022 to follow up on the above recommendations, which is further discussed in the Sampling portion of this report below.

This Assessment has been conducted by an environmental professional whose qualifications[6] were made known to the Client. The conclusions and recommendations presented above are based on

[6] SCS declares that, to the best of its professional knowledge and belief, the reviewer meets the definition of Environmental Professional as defined in section 312.10 of 40 CFR 312 and has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. SCS

the review of readily available data obtained as part of this Assessment, current regulatory guidelines, the Site and Site vicinity reconnaissance, and SCS' experience.

6 SCOPE OF SERVICES- LIMITED PHASE II SOIL SAMPLING (SAMPLING)

The Sampling activities described herein were conducted based on the recommendations made in the Assessment above regarding the possible presence of metals, OCPs and/or elevated levels of fecal coliform at the Site in connection with the historical reported application of biosolids/ sewage sludge at the Site, and considering the proposed development of the Site into a business park with office/industrial uses.

PREPARATION FOR FIELDWORK

Preparation of Health and Safety Plan

A health and safety plan for work conducted at the Site and for workers within the "exclusion zone" is required pursuant to the regulations found in 29 Code of Federal Regulations Part 1910.120 and California Code of Regulations, Title 8, Section 5192. Therefore, a health and safety plan was prepared for the proposed work scope, which outlined the potential chemical and physical hazards that may be encountered during soil sampling activities. The appropriate personal protective equipment and emergency response procedures for the anticipated Site-specific chemical and physical hazards were detailed in this plan. SCS personnel involved with the field work were required to read and sign this document in order to encourage proper health and safety practices.

FIELD ACTIVITIES - SOIL SAMPLING AND ANALYSIS

On October 3, 2022, SCS collected soil samples from depths of approximately ground surface to 6-inches below grade from representative areas of the Site at 32 locations (sample locations B1 through B32) within a grid pattern at the Site. The soil sampling procedures were scoped in general accordance with the guidance document issued by the DTSC titled "Interim Guidance for Sampling Agricultural Properties (Third Revision)," dated August 7, 2008 for the recommended number of sample analyses, with fecal coliform and Title 22 metals (including the metal arsenic) added to the selected soil sample analyses.

The 32 soil samples were composited by the laboratory into 8 composite soil samples (Comp 1 through Comp 8) (Figure 4) for laboratory analysis. The table below summarizes the information on sample identification numbers and depths in feet bgs for the Site.

Composite Sample Identification	Individual Sample Identifications	Sampling Rational
B1-B4 Composite	B1, B2, B3, B4	Assess the possible presence of metals, OCPs and/or

has developed and performed All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR 312. The qualifications of the report preparers are included in the Appendices.

Composite Sample Identification	Individual Sample Identifications	Sampling Rational
B5-B8 Composite	B5, B6, B7, B8	elevated levels of fecal coliform at the Site in connection with the reported historical sewage sludge/ biosolids application at the Site
B9-B12 Composite	B9, B10, B11, B12	
B13-B16 Composite	B13, B14, B15, B16	
B17-B20 Composite	B17, B18, B19, B20	
B21-B24 Composite	B21, B22, B23, B24	
B25-B28 Composite	B25, B26, B27, B28	
B29-B32 Composite	B29, B30, B31, B32	

The soil samples were collected by use of a shovel. The samples were placed into 4-ounce glass jars, capped, labeled, and placed in an ice-filled cooler for shipment to the laboratory. Chain-of-custody procedures were implemented for sample tracking.

Pursuant to SCS's standard operating procedures, the sampling equipment/shovel was decontaminated on Site between soil sample locations to minimize the likelihood of cross-contaminating the samples and to minimize the potential for a false positive in the soil samples analyzed.

Soil samples were submitted to Enthalpy Analytical, a fixed-base, State-accredited laboratory. The 8 composited soil samples were analyzed for metals in general accordance with EPA Method 6010B, OCPs in general accordance with EPA Method 8081A, and fecal coliform in general accordance with EPA Method SM 9221E.

SOIL SCREENING REGULATORY CRITERIA FOR SOIL

Soil screening criteria are used in this Report for comparison of the reported soil sample results to applicable health risk-based and hazardous waste-based soil screening criteria for the detected constituents. The applicable soil screening applied in the "Findings" section below includes the following:

Screening Criteria

For health risk-based and hazardous waste screening purposes, the reported results were compared to the following regulatory screening levels to assess for possible risks to residential land use to be conservative (Screening Criteria), although SCS understands that the Client is proposing a commercial/industrial land use:

Health Risk-Based Criteria

- For OCPs and Title 22 metals - DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 3, June 2020, recommended Screening Levels

for residential users (SLs), May 2022 update. The Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) for residential users, dated May 2022, was used if DTSC-SLs were not available.

- Although arsenic was detected at concentrations exceeding the DTSC-SL of 0.11 mg/kg in all but one sample, arsenic was not detected at concentrations exceeding the typical background concentration for soil in southern California of 12 mg/kg. In an abstract presented by DTSC staff at the 2008 Society of Toxicology Annual Meeting,[7] it was reported that the upper-bound background concentration for arsenic in southern California soil is 12 mg/kg.

- For fecal coliform – from the State Water Resources Control Board Water Quality Order No. 2004-0012-DWQ, General Waste Discharge Requirements for the Discharge of Biosolids to Land for Use as a Soil Amendment in Agricultural, Silvicultural, Horticultural, and Land Reclamation Activities (General Order) (2004)

Hazardous Waste Criteria

- For OCPs and Title 22 metals - from CA code of regulations, Title 22 Article 3, July 20, 2005 regarding characteristics of hazardous waste. Exceedances of the Total Threshold Limit Concentration (TTLC) would be considered a California hazardous waste at a minimum.

7 SAMPLING – FINDINGS AND DISCUSSION

A summary of the laboratory results for the soil samples analyzed is presented below, as well as within Tables 1 and 2. A complete listing of the results is presented in the laboratory report included in the Appendices.

METALS

The 32 soil samples were composited into 8 total samples and analyzed for Title 22 metals by EPA Method 6010. Although metals were reported in each of the samples analyzed, all metals were reported to be below the Health Risk-Based Criteria and Hazardous Waste Criteria (Table 2).

ORGANOCHLORINE PESTICIDES

A total of 8 composite soil samples collected at the Site were also analyzed for OCPs in accordance with EPA Method 8081A. None of the composite samples analyzed were reported with detectable concentrations of OCPs above laboratory reporting limits.

[7] *Determination of a Southern California Regional Background Arsenic Concentration in Soil, Chernoff, G., Bosan, W., Oudiz, D., and California Department of Toxic Substances Control, 2008 Society of Toxicology Annual Meeting.*

FECAL COLIFORM

A total of 8 composite soil samples were analyzed for fecal coliform in general accordance with EPA Method SM 9221E. One of the composite soil samples analyzed, B9-B12 Composite, was reported with a concentration of fecal coliform of 0.68 most probably number per gram (MPN/g).

According to the State Water Resources Control Board Water Quality Order No. 2004-0012-DWQ, General Waste Discharge Requirements for the Discharge of Biosolids to Land for use as a Soil Amendment in Agricultural, Silvicultural, Horticultural, and Land Reclamation Activities (General Order), "all biosolids subject to this General Order shall comply with the applicable pathogen reduction standards listed in 40 CFR Part 503.32. In addition to those standards, all biosolids meeting Class A standards shall not have a maximum fecal coliform concentration greater than 1,000 most probable number (MPN) per gram of biosolids; or the density of salmonella, sp. shall not be greater than three MPN per four grams."

Since sample B9-B12 Composite was reported with detectable concentrations of fecal coliform below three MPN per four grams, this detection would not be considered to represent a health risk to future residential or commercial users of the Site, and therefore is not considered to represent a recognized environmental condition at the Site.

TITLE 22 METALS

Although metals such as arsenic and lead were reported in each of the samples analyzed, all metals were reported to be below the Health Risk-Based Criteria and Hazardous Waste Criteria (Table 2). Therefore, the reported Title 22 metals concentrations are not considered to represent a health risk to future residential or commercial users of the Site, and therefore is not considered to represent a recognized environmental condition at the Site.

8 CONCLUSIONS AND RECOMMENDATION

Based on the samples collected and data obtained and reviewed as part of this Subsurface Assessment, laboratory results, current regulatory guidelines, and our experience and professional judgment, SCS concludes the following:

- In order to assess the possible presence of constituents of concern (CoCs) associated with the former reported biosolids/ sewage sludge application at the Site, soil samples were collected and analyzed for the possible presence of metals, OCPs and/or elevated levels of fecal coliform.

- On October 3, 2022, SCS collected soil samples from depths of approximately ground surface to 6-inches below grade from representative areas of the Site at 32 locations (sample locations B1 through B32) within a grid pattern at the Site. The 32 soil samples were composited by the laboratory into 8 composite soil samples (Figure 4) for laboratory analysis.

- The 32 soil samples were composited by the laboratory into 8 total samples and analyzed for Title 22 metals (including the metal arsenic) by EPA Method 6010. Although metals such as arsenic and lead were reported in each of the samples analyzed, all metals were reported to

be below the Health Risk-Based Criteria (i.e., DTSC SLs) and Hazardous Waste Criteria (i.e., California Title 22).

- A total of 8 composite soil samples collected at the Site were also analyzed for OCPs in accordance with EPA Method 8081A. None of the composite samples analyzed were reported with detectable concentrations of OCPs above laboratory reporting limits.

- A total of 8 composite soil samples were analyzed for fecal coliform in general accordance with EPA Method SM 9221E. One of the composite soil samples analyzed, B9-B12 Composite, was reported with a concentration of fecal coliform of 0.68 MPN/g.

  According to the State Water Resources Control Board Water Quality Order No. 2004-0012-DWQ, General Waste Discharge Requirements for the Discharge of Biosolids to Land for use as a Soil Amendment in Agricultural, Silvicultural, Horticultural, and Land Reclamation Activities (General Order), "all biosolids subject to this General Order shall comply with the applicable pathogen reduction standards listed in 40 CFR Part 503.32. In addition to those standards, all biosolids meeting Class A standards shall not have a maximum fecal coliform concentration greater than 1,000 most probable number (MPN) per gram of biosolids; or the density of salmonella, sp. shall not be greater than three MPN per four grams."

  Since sample B9-B12 Composite was reported with detectable concentrations of fecal coliform below three MPN per four grams, which is below the Health Risk-Based Criteria, this detection would not be considered a recognized environmental condition at the Site.

- Overall, although one soil sample was reported with a detectable concentration of fecal coliform, and metals were reported in each of the samples analyzed, the reported fecal coliform concentration was below Health Risk Based-Criteria (Table 1), and all metals were reported to be below the Health Risk-Based Criteria and Hazardous Waste Criteria (Table 2). None of the composite samples analyzed were reported with detectable concentrations of OCPs above laboratory reporting limits.

  Based on the soil samples that were collected and analyzed, our experience, and applicable regulatory criteria, since the reported concentrations of the various constituents of concern analyzed were either non-detect above laboratory reporting limits or below the applicable Screening Criteria, there is not a risk to future residential or commercial/industrial users of the Site, which is not considered to represent a recognized environmental condition to the Site. Therefore, no further action is recommended at this time.

9 REPORT USAGE AND FUTURE SITE CONDITIONS

This Report is intended for the sole usage of the Client and other parties designated by SCS. The methodology used during this Assessment was in general conformance with the requirements of the Client and the specifications and limitations presented in the Consulting Agreement (Contract) between the Client and SCS. This Report contains information from a variety of public and other sources, and SCS makes no representation or warranty about the accuracy, reliability, suitability, or completeness of the information. Any use of this Report, whether by the Client or by a third party, shall be subject to the provisions of the Contract between the Client and SCS. Any misuse of or reliance upon the Report shall be without risk or liability to SCS.

Assessments are qualitative, not comprehensive, in nature and may not identify all environmental problems or eliminate all risk. For every property, but especially for properties in older downtown or urban areas, it is possible for there to be unknown, unreported recognized environmental conditions, USTs, or other features of concern that might become apparent through demolition, construction, or excavation activities, etc. In addition, the scope of services for this project was limited to those items specifically named in the scope of services for this Report. Environmental issues not specifically addressed in the scope of services for this project are not included in this Report.

Land use, condition of the properties within the Site, and other factors may change over time. The information and conclusions of this Report are judged to have been relevant at the time the work described in this Report was conducted. This Report should not be relied upon to represent future Site conditions unless a qualified consultant familiar with the practice of Phase I Environmental Site Assessments in the County of Riverside is consulted to assess the necessity of updating this Report.

The property owners at the Site are solely responsible for notifying all governmental agencies and the public of the existence, release, or disposal of any hazardous materials/wastes or petroleum products at the Site, whether before, during, or after the performance of SCS' services. SCS assumes no responsibility or liability for any claim, loss of property value, damage, or injury that results from hazardous materials/wastes or petroleum products being present or encountered within the Site.

Although this Assessment has attempted to assess the likelihood that the Site has been impacted by a hazardous material/waste release, potential sources of impact may have escaped detection for reasons that include, but are not limited to, (1) inadequate or inaccurate information rightfully provided to SCS by third parties, such as public agencies and other outside sources; (2) the limited scope of this Assessment; and (3) the presence of undetected, unknown, or unreported environmental releases.

10 LIKELIHOOD STATEMENTS

Statements of "likelihood" have been made in this report. Likelihood statements are based on professional judgments of SCS. The term "likelihood," as used herein, pertains to the probability of a match between the prediction for an event and its actual occurrence. The likelihood statement assigns a measure for a "degree of belief" for the match between the prediction for the event and the actual occurrence of the event.

The likelihood statements in this Report are made qualitatively (expressed in words). The qualitative terms can be approximately related to quantitative percentages. The term "low likelihood" is used by SCS to approximate a range of 10 to 20 percent; the term "moderate likelihood" refers to an approximate range of 40 to 60 percent; and the term "high likelihood" refers to an approximate range of 80 to 90 percent.

11 SPECIAL CONTRACTUAL CONDITIONS BETWEEN USER AND ENVIRONMENTAL PROFESSIONAL

There were no special contractual conditions between the user of this Assessment, the environmental professional, and SCS.

12 ENDNOTES

[i] Site reconnaissance conducted by Tyler Overton (SCS) on October 3, 2022.

[ii] Records request—County of Riverside Department of Environmental Health by Tyler Overton (SCS) on September 9, 2022.

[iii] Records request—City of Menifee Building and Fire Departments by Tyler Overton (SCS) on September 9, 2022.

[iv] Records request—South Coast Air Quality Management District (SCAQMD) by Tyler Overton (SCS) on September 9, 2022.

[v] Records request—City of Menifee Industrial Waste Program by September 9, 2022.

[vi] Records request—Santa Ana Regional Water Quality Control Board (RWQCB) by Tyler Overton (SCS) on September 12, 2022.

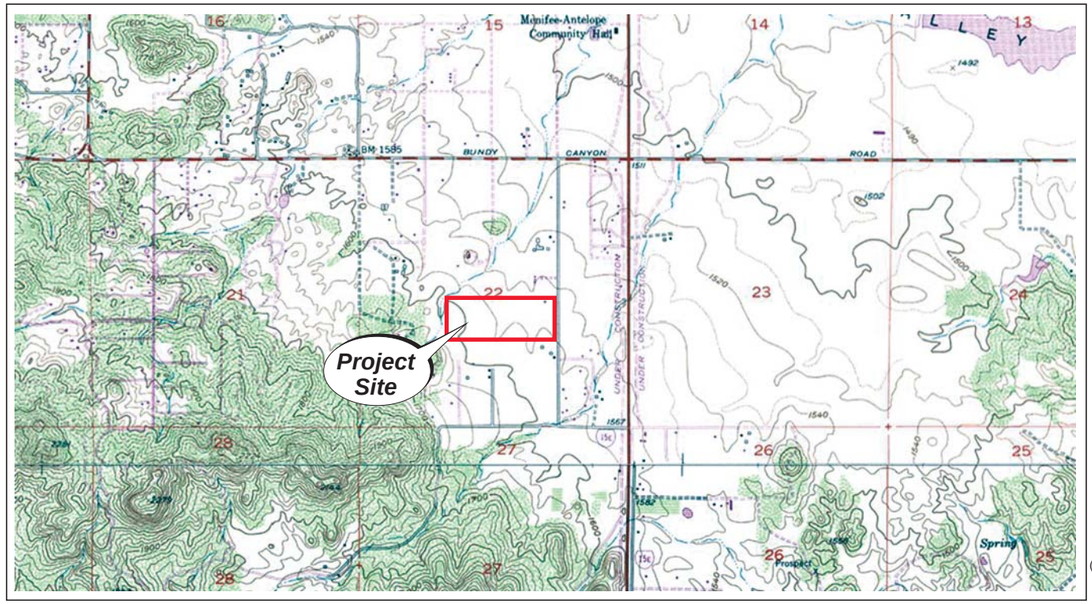
[vii] Records request—Riverside County Agricultural Department of Weights and Measures Records Review (RWQCB) by Tyler Overton (SCS) on September 12, 2022.

[viii] Site vicinity reconnaissance conducted by Tyler Overton (SCS) on October 3, 2022.

[ix] EDR, "Radius Map™ Report," unpublished report prepared for 33521 Zeiders Road, Menifee, CA, 92584, dated September 12, 2012.

[x] California Geological Energy Management Division WellFinder website, https://maps.conservation.ca.gov/doggr/wellfinder/#openModal/-117.15244/33.63356/12

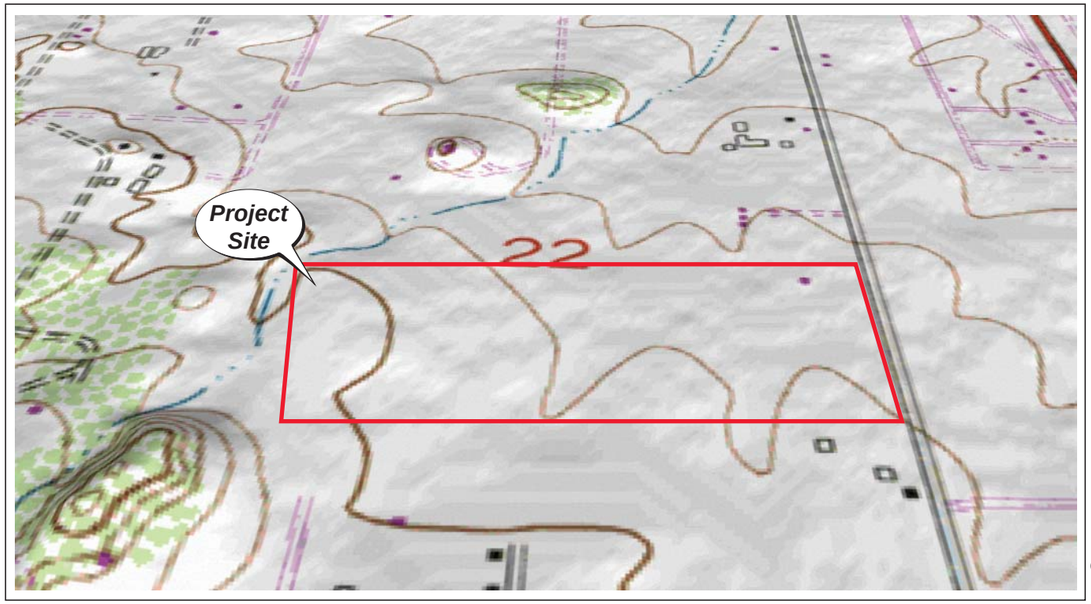
FIGURES



North (No Scale)

Reference:
U.S.G.S. 7.5 Minute Quadrangle Map
Romoland, California

2-DIMENSIONAL SITE LOCATION



North (No Scale)

Reference:
U.S.G.S. 7.5 Minute Quadrangle Map
Romoland, California

3-DIMENSIONAL SITE LOCATION



North (No Scale)

Reference:
Google Earth Aerial Photograph
Menifee, California - August 2021

SITE AERIAL PHOTOGRAPH

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

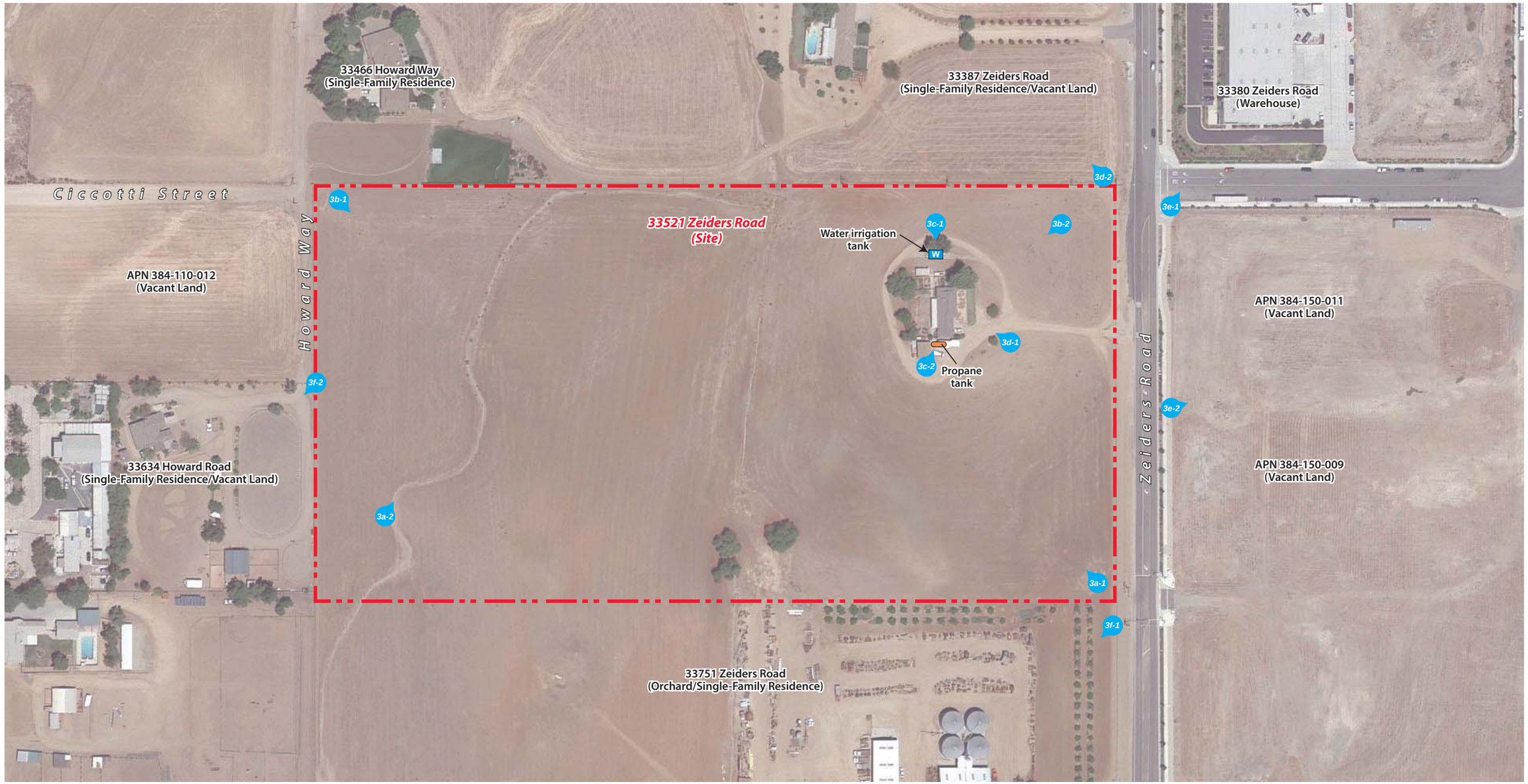
SCS ENGINEERS
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THREE-WAY SITE LOCATION MAP
Pemcor Properties, Inc.
33521 Zeiders Road
Menifee, California

Project No.:
01222081.01

Figure 1

Date Drafted:
10/10/22



LEGEND

Approximate Site boundary

Location and direction of Site photograph (3c-2)

0 80 160 240
Approximate Graphic Scale in Feet
1 inch = 160 feet

North

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

Reference: Google Earth Aerial Photograph
Menifee, California - August 2021

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

SITE AND SITE VICINITY PLAN

Pemcor Properties, Inc.
33521 Zeiders Road
Menifee, California

Project No.: 01222081.01

Figure 2

Date Drafted: 10/10/22



1) View of the Site looking northwest.



2) View of the Site looking northeast.

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San Diego, California 92123

PHOTOGRAPHIC PLATE
Pemcor Properties, Inc.
33521 Zeiders Road
Menifee, California

Project No.:
01222081.01

Figure 3a

Date Drafted:
10/10/22



1) View of the Site looking southeast.



2) View of the Site looking southwest.

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San Diego, California 92123

PHOTOGRAPHIC PLATE
Pemcor Properties, Inc.
33521 Zeiders Road
Menifee, California

Project No.: 01222081.01

Figure 3b

Date Drafted: 10/10/22



1) View of a water tank used for irrigation observed to be located at the Site.



2) View of a propane tank observed to be located at the Site.

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San Diego, California 92123

PHOTOGRAPHIC PLATE
Pemcor Properties, Inc.
33521 Zeiders Road
Menifee, California

Project No.: 01222081.01

Figure 3c

Date Drafted: 10/10/22



1) View of the single-family residence observed to be located at the Site.



2) View of the single-family residence located to the north of the Site.

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San Diego, California 92123

PHOTOGRAPHIC PLATE
Pemcor Properties, Inc.
33521 Zeiders Road
Menifee, California

Project No.: 01222081.01

Figure 3d

Date Drafted: 10/10/22



1) View of the warehouse located to the northeast of the Site.



2) View of the vacant land located to the east of the Site.

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San Diego, California 92123

PHOTOGRAPHIC PLATE
Pemcor Properties, Inc.
33521 Zeiders Road
Menifee, California

Project No.:
01222081.01

Figure 3e

Date Drafted:
10/10/22



1) View of the orchard located to the south of the Site.



2) View of the single-family residence located to the west of the Site.

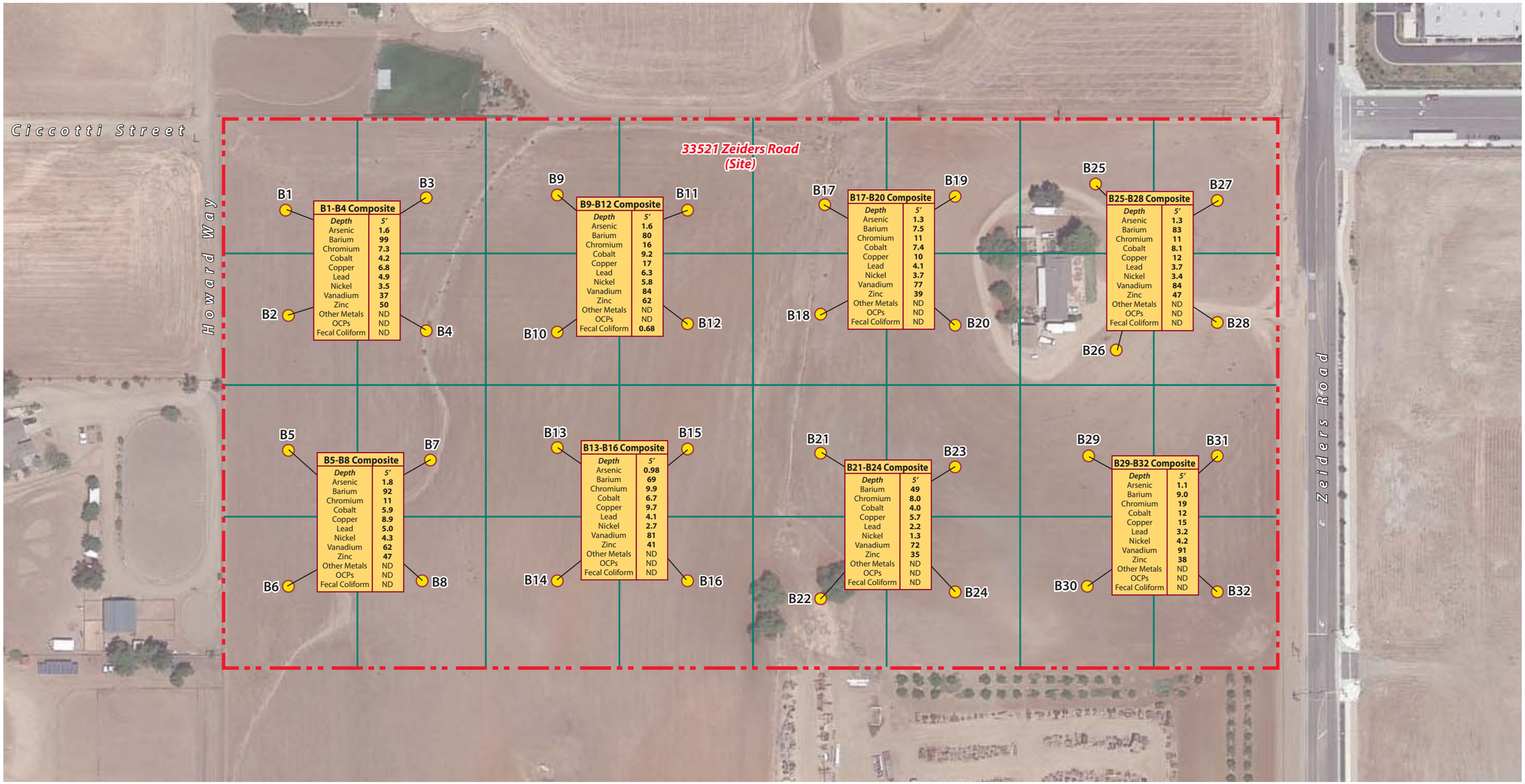
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Environmental Consultants
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San Diego, California 92123

PHOTOGRAPHIC PLATE
Pemcor Properties, Inc.
33521 Zeiders Road
Menifee, California

Project No.:
01222081.01

Figure 3f

Date Drafted:
10/10/22



LEGEND

Approximate Site boundary

Approximate soil sample location collected by SCS Engineers on October 2, 2022

Grid

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

B13-B16 Composite	
Depth	*5′*
Arsenic	**0.98**
Barium	**69**
Chromium	**9.9**
Cobalt	**6.7**
Copper	**9.7**
Lead	**4.1**
Nickel	**2.7**
Vanadium	**81**
Zinc	**41**
Other Metals	ND
OCPs	ND
Fecal Coliform	ND

Soil samples, with depth in feet below grade, analyzed for Title 22 Metals by EPA Method 6010B. Results reported milligrams per kilogram (mg/kg) with the exception of fecal coliform, which is reported in Most Probable Number per gram (MPN/g). **Bold** font indicates sample results above the laboratory reporting limit. ND indicates concentration not detected above laboratory detection limits.

Reference: Google Earth Aerial Photograph
Menifee, California - August 2021

0 60 120 180
Approximate Graphic Scale in Feet
1 inch = 120 feet

North

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SOIL SAMPLE LOCATION MAP WITH ANALYTICAL RESULTS

Pemcor Properties, Inc.
33521 Zeiders Road
Menifee, California

Project No.: 01222081.01

Figure 4

Date Drafted: 10/31/22

TABLES

Table 1
Soil Sample Analytical Results for Fecal Coliform and OCPs
33521 Zeiders Road
Menifee, California

Sample	Depth	Date	Fecal Coliform	OCPs
	feet bgs		MPN/g	µg/kg
B1-B4 Composite	0.5	10/3/2022	<0.18	ND
B5-B8 Composite	0.5	10/3/2022	<0.18	ND
B9-B12 Composite	0.5	10/3/2022	**0.68**	ND
B13-B16 Composite	0.5	10/3/2022	<0.18	ND
B17-B20 Composite	0.5	10/3/2022	<0.18	ND
B21-B24 Composite	0.5	10/3/2022	<0.18	ND
B25-B28 Composite	0.5	10/3/2022	<0.18	ND
B29-B32 Composite	0.5	10/3/2022	<0.18	ND
Health Risk-Based Criteria [1]			**1,000**	**--**

Notes :

Soil samples collected by SCS Engineers on 10/3/2022 and analyzed for Fecal Coliform by EPA Method SM 9221E and for OCPs by EPA Method 8081A

OCPs: organochlorine pesticides

feet bgs: feet below ground surface.

µg/kg: micrograms per kilogram.

MPN/g: most probable number per gram

< : less than the laboratory reporting limit.

-- : not established

1) Health Risk-Based Criteria - OCPs DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 3, June 2020, recommended Screening Levels for residential users (SLs), May 2022 update. The Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) for residential users, dated May 2022, was used if DTSC SLs were not available.

Fecal Coliform - State Water Resources Control Board Water Quality Order No. 2004-0012-DWQ, General Waste Discharge Requirements for the Discharge of Biosolids to Land for use as a Soil Amendment in Agricultural, Silvicultural, Horticultural, and Land Reclamation Activities (General Order) (2004)

Bold = detection above the laboratory limits.

Table 2
Soil Sample Analytical Results for Title 22 Metals
33521 Zeiders Road
Menifee, California

Sample	Depth	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
	feet bgs		mg/kg																
B1-B4 Composite	0.5	10/3/2022	<2.9	**1.6**	**99**	<0.49	<0.49	**7.3**	**4.2**	**6.8**	**4.9**	<0.15	<0.98	**3.5**	<2.9	<0.49	<2.9	**37**	**50**
B5-B8 Composite	0.5	10/3/2022	<2.9	**1.8**	**92**	<0.49	<0.49	**11**	**5.9**	**8.9**	**5.0**	<0.15	<0.98	**4.3**	<2.9	<0.49	<2.9	**62**	**47**
B9-B12 Composite	0.5	10/3/2022	<2.9	**1.6**	**80**	<0.48	<0.48	**16**	**9.2**	**17**	**6.3**	<0.15	<0.96	**5.8**	<2.9	<0.48	<2.9	**84**	**62**
B13-B16 Composite	0.5	10/3/2022	<2.9	**0.98**	**69**	<0.48	<0.48	**9.9**	**6.7**	**9.7**	**4.1**	<0.15	<0.95	**2.7**	<2.9	<0.48	<2.9	**81**	**41**
B17-B20 Composite	0.5	10/3/2022	<2.9	**1.3**	**7.5**	<0.48	<0.48	**11**	**7.4**	**10**	**4.1**	<0.15	<0.96	**3.7**	<2.9	<0.48	<2.9	**77**	**39**
B21-B24 Composite	0.5	10/3/2022	<2.9	<0.98	**49**	<0.49	<0.49	**8.0**	**4.0**	**5.7**	**2.2**	<0.15	<0.98	**1.3**	<2.9	<0.49	<2.9	**72**	**35**
B25-B28 Composite	0.5	10/3/2022	<2.9	**1.3**	**83**	<0.48	<0.48	**11**	**8.1**	**12**	**3.7**	<0.14	<0.96	**3.4**	<2.9	<0.48	<2.9	**84**	**47**
B29-B32 Composite	0.5	10/3/2022	<2.9	**1.1**	**90**	<0.49	<0.49	**19**	**12**	**15**	**3.2**	<0.15	<0.97	**4.2**	<2.9	<0.49	<2.9	**91**	**38**
Health Risk-Based Criteria [1]			**31**	**12**	**15,000**	**1,600**	**910**	**NE**	**23**	**47,000**	**80**	**1.0**	**390**	**15,000**	**390**	**390**	**78**	**390**	**23,000**
Hazardous Waste Criteria[2]			**500**	**500**	**10,000**	**75**	**100**	**2,500**	**8,000**	**2,500**	**1,000**	**20**	**3,500**	**2,000**	**100**	**500**	**700**	**2,400**	**5,000**

Notes :
Soil samples collected by SCS Engineers on 10/3/22 and analyzed for Title 22 metals by EPA Method 6010B.
feet bgs: feet below ground surface.
mg/kg : milligrams per kilogram.
< : less than the laboratory reporting limit.
-- : not analyzed.
1) Health Risk-Based Criteria - the Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number: 3, June 2020, revised May 2022, using the Recommended Screening Levels (DTSC-SLs) for residential soil and cancer endpoint, or, for other metals not listed in HHRA Note 3, the Regional Screening Levels (RSLs) for residential soil, provided by the United States Environmental Protection Agency (EPA) and updated as of May 2022 were used. For arsenic, although the DTSC-SL is 0.11 mg/kg, naturally occuring arsenic typically exceeds human health risk screening criteria. Therefore, the DTSC upper-bound background concentration for arsenic of 12 mg/kg was used.
2) Hazardous Waste Criteria: Values shown from CA code of regulations, Title 22 Article 3, July 20, 2005 regarding characteristics of hazardous waste.
Exceedances of the Total Threshold Limit Concentration (TTLC) would be considered a California hazardous waste, at a minimum.
Bold = detection above the laboratory limits.
NA: Not analyzed
NE : Screening criteria not established.

APPENDICES

GLOSSARY

adjacent property. Any real property or properties the border of which is contiguous or partially contiguous with that of the Site or that would be contiguous or partially contiguous with that of the Site but for a street, road, or other public thoroughfare separating them.

aerial photographs. Photographs taken from an airplane or helicopter of areas encompassing the Site.

asbestos. Six naturally occurring fibrous minerals found in certain types of rock formations. Of the six, the minerals chrysotile, amosite, and crocidolite have been the most commonly used in building products. When inhaled in sufficient quantities, asbestos fibers can cause serious health problems.

asbestos-containing material (ACM). Any material or product that contains more than 1% asbestos.

construction debris. Any concrete, brick, asphalt, and other building materials discarded in the construction of a building or other improvement to property.

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

de minimis condition. A condition that generally does not present a threat to human health or the environment and that generally would not be subject to an enforcement action if brought to the attention of appropriate governmental agencies). A condition considered *de minimis* is not a *recognized environmental condition*.

drum. A container (typically, but not necessarily, holding 55 gallons of liquid) that may be used to store hazardous substances or petroleum products.

dry well. Underground areas where soil has been removed and replaced with pea gravel, coarse sand, or large rocks. Dry wells are used for drainage, to control storm runoff, for the collection of spilled liquids (spilled intentionally or not), and for wastewater disposal (often illegal).

fill dirt. Dirt, soil, sand, or other earth that is obtained off site and that is used to fill holes or depressions, create mounds, or otherwise artificially change the grade or elevation of real property. It does not include material that is used in limited quantities for normal landscaping activities.

fire insurance map. Maps produced for private fire insurance map companies that indicate uses of properties at specified dates and that encompass the property.

hazardous material. Any material that, because of its quantity, concentration, or physical and chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. Hazardous materials include, but are not limited to, hazardous substances, hazardous waste, and any material which a handler or the administering agency has a reasonable basis for believing would be injurious to the health or safety of persons or harmful to the environment if released into the workplace or the environment.

hazardous substance. Pursuant to CERCLA, hazardous substances include the following:

1) All toxic pollutants and hazardous substances listed under the Clean Water Act
2) Hazardous wastes regulated under RCRA
3) Any hazardous air pollutant under the Clean Air Act
4) Chemicals designated as "immediately hazardous" under the Toxic Substance Control Act

The EPA is also allowed to designate additional substances as hazardous if they present a substantial danger to the public health or welfare or the environment when released.

hazardous waste. A substance defined pursuant to the Solid Waste Disposal Act amended by RCRA, a hazardous waste is a solid waste, or a combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics, may contribute to an increase in mortality or an increase in serious irreversible, or incapacitating illness or pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.

historical recognized environmental condition. A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

landfill. A place or area of land used for the disposal of solid wastes as defined by state solid waste regulations. Synonymous with the term *solid waste disposal site,* a landfill is also known as a garbage dump or trash dump.

likelihood. As used in this Report, the term *likelihood* pertains to the probability of a match between the prediction of an event and its actual occurrence. As used by SCS Engineers, the term *low likelihood* approximates a percentage range to 10 to 20 percent; *moderate likelihood* approximates 40 to 60 percent; and *high likelihood* approximates 80 to 90 percent.

Material Safety Data Sheet (MSDS). Written or printed material concerning a hazardous substance which is prepared by chemical manufacturers, importers, and employers for hazardous chemicals pursuant to OSHA standards.

obvious. That which is plain or evident. The term refers to a condition or fact that could not be ignored or overlooked by a reasonable observer while physically observing the property.

PCE. Perchloroethene/perchloroethylene, or "Perc"; also tetrachloroethene/tetrachloroethylene; commonly used as a solvent for dry-cleaning.

petroleum products. Petroleum, including crude oil, natural gas, natural gas liquids, liquefied natural gas, synthetic gas usable for fuel, kerosene, diesel oil, jet fuels, motor oil, hydraulic oil, gear oils, and fuel oil.

recognized environmental conditions (RECs). Recognized environmental conditions, as defined by the American Society for Testing and Materials (ASTM), include the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. However, the term is

not intended to include *de minimis* conditions.

retail quantities (RQs). Quantities of hazardous materials usually less than 50 gallons, 100 pounds, or 200 cubic feet of gas (under the regulatory reporting limits).

small retail quantities (SRQs). Quantities of hazardous materials in containers of 5 gallons or less, and less than 50 gallons in aggregate.

solvent. A chemical compound that is capable of dissolving another substance and is itself a hazardous substance, such as TCE, TCA, PCE, Stoddard solvent, paint thinner, mineral spirits, and acetone. Solvents are used in a number of manufacturing or industrial processes.

TCA. Trichloroethane; also 1,1,1 TCA; a commonly used industrial solvent for degreasing/cleaning.

underground storage tank (UST). Any tank, including underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10 percent or more beneath the surface of the ground.

visually and/or physically observed. This term refers to observations made by vision during the Site visit while walking through the Site or Site building(s), and observations made by the sense of smell, particularly awareness of noxious or foul odors.

ACRONYMS

µg/kg	micrograms per kilogram
µg/L	micrograms per liter
ARAR	Applicable, Relevant, and Appropriate Requirements
ASPIS	Abandoned Sites Program Information System
APCD	Air Pollution Control District
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
BAT	Best Available Technology
bg	below grade
bgs	below ground surface
BMP	Best Management Practice
BTEX	**b**enzene, toluene, ethylbenzene, and xylenes
Cal-EPA	California Environmental Protection Agency
CCDC	Centre City Development Corporation
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CGI	Combustible Gas Indicator
CHSP	Community Health and Safety Plan
CIR	Compliance Inspection Report

CoCs	Constituents of Concern
CPT	Cone Penetration Testing
CREC	Controlled Recognized Environmental Condition
DAF	Dilution and Attenuation Factor
DDT	Dichlorodiphenyltrichloroethane
DEED RSTR	California Department of Health Services Deed Restriction
DEH	County of San Diego Department of Environmental Health
DTSC	Department of Toxic Substance Control
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FoPC	Features of Potential Concern
HREC	Historical Recognized Environmental Condition
HMMD	Hazardous Materials Management Division, County of San Diego
HVAC	heating, ventilation, and air conditioning
HVOCs	halogenated volatile organic compounds
HWSSL	Hazardous Waste and Substances Sites List
IDW	**i**nvestigation-derived wastes
IPM	**i**ntegrated pest management
JURMP	Jurisdictional Urban Runoff Management Program
LEL	lower explosive limit
LESA	Limited Environmental Site Assessment
LNAPL	Light Nonaqueous Phase Liquid
LOA	Letter of Authorization
LUFT	leaking underground fuel tank
LUST	leaking underground storage tank
mg/kg	milligrams per kilogram
MIWD	Metropolitan Industrial Wastewater Division
MSCP	Multiple Species Conservation Plan
MSDS	Material Safety Data Sheet
MTBE	methyl tertiary butyl ether; *also* methyl tert-butyl ether
NA	not applicable
NCP	National Contingency Plan
ND	not detected
NESSHAPS	National Emissions Standards for Hazardous Air Pollutants
NFA	no further action
NFRAP	No Further Remedial Action Plan
NOI	Notice of Intent

NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
OLS	**o**rdinary least squared
OSHA	Occupational Safety and Health Administration
PCBs	polychlorinated biphenyls
PCE	perchloroethene/perchloroethylene, *or* "Perc"; *also* tetrachloroethene/tetrachloroethylene
PEAR	Preliminary Environmental Assessments Required
PID	photoionization detector
PMP	Property Mitigation Plan
PAHs	polynuclear aromatic hydrocarbons
PRG	Preliminary Remediation Goals
PRP	potentially responsible party (pursuant to CERCLA)
PSH	phase-separated hydrocarbons
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RCRA VIOL	Comprehensive Environmental Response, Compensation and Liability Act–hazardous waste generators violations/enforcement actions
RCRIS-G	Comprehensive Environmental Response, Compensation, and Liability Act Information System–Generators (hazardous waste)
REC	recognized environmental condition
RF	remote fill
RNA	remediation by natural attenuation
RQs	retail quantities
RWQCB	Regional Water Quality Control Board
SAM	Site Assessment and Mitigation Program (San Diego County Department of Environmental Health)
SAP	Site Assessment Protocol
SCL	Department of Toxic Substance Control database
SDG&E	San Diego Gas and Electric
SI	**s**ite inspection
SRQs	small retail quantities
SMP	Soil Management Plan
SPCC	Spill Prevention Control and Countermeasure
STLC	Soluble Threshold Limit Concentration
SWAT	Solid Waste Assessment Test
SWIS	Solid Waste Information System
SWLF	Solid Waste Landfills
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TCA	Trichloroethane; also 1,1,1 TCA

TCE	trichloroethene; trichloroethylene
TCLP	Toxicity Characteristic Leaching Procedure
THF	Tetrahydrofuran
TPH	total petroleum hydrocarbons
TPHg	TPH as gasoline
TPHd	TPH as diesel
TPHext	TPH extended range
TPHo	TPH oil range
TRIS	Toxic Release Information System
TRPH	total recoverable petroleum hydrocarbons
TTLCs	Total Threshold Limit Concentrations
UAR	unauthorized release
USGS	United States Geological Survey
UST	underground storage tank
VAP	Voluntary Action Plan
VES	Vapor Extraction System
WDR	Waste Discharge Requirements
WET	Waste Extraction Test
WMUDS	Waste Management Unit Database System

GLOSSARY

adjacent property. Any real property or properties the border of which is contiguous or partially contiguous with that of the Site or that would be contiguous or partially contiguous with that of the Site but for a street, road, or other public thoroughfare separating them.

aerial photographs. Photographs taken from an airplane or helicopter of areas encompassing the Site.

asbestos. Six naturally occurring fibrous minerals found in certain types of rock formations. Of the six, the minerals chrysotile, amosite, and crocidolite have been the most commonly used in building products. When inhaled in sufficient quantities, asbestos fibers can cause serious health problems.

asbestos-containing material (ACM). Any material or product that contains more than 1% asbestos.

construction debris. Any concrete, brick, asphalt, and other building materials discarded in the construction of a building or other improvement to property.

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petroleum products. Petroleum, including crude oil, natural gas, natural gas liquids, liquefied natural gas, synthetic gas usable for fuel, kerosene, diesel oil, jet fuels, motor oil, hydraulic oil, gear oils, and fuel oil.

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TCA. Trichloroethane; also 1,1,1 TCA; a commonly used industrial solvent for degreasing/cleaning.

underground storage tank (UST). Any tank, including underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10 percent or more beneath the surface of the ground.

visually and/or physically observed. This term refers to observations made by vision during the Site visit while walking through the Site or Site building(s), and observations made by the sense of smell, particularly awareness of noxious or foul odors.

ACRONYMS

µg/kg	micrograms per kilogram
µg/L	micrograms per liter
ARAR	Applicable, Relevant, and Appropriate Requirements
ASPIS	Abandoned Sites Program Information System
APCD	Air Pollution Control District
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
BAT	Best Available Technology
bg	below grade
bgs	below ground surface
BMP	Best Management Practice
BTEX	**b**enzene, toluene, ethylbenzene, and xylenes
Cal-EPA	California Environmental Protection Agency
CCDC	Centre City Development Corporation
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CGI	Combustible Gas Indicator
CHSP	Community Health and Safety Plan
CIR	Compliance Inspection Report

CoCs	Constituents of Concern
CPT	Cone Penetration Testing
CREC	Controlled Recognized Environmental Condition
DAF	Dilution and Attenuation Factor
DDT	Dichlorodiphenyltrichloroethane
DEED RSTR	California Department of Health Services Deed Restriction
DEH	County of San Diego Department of Environmental Health
DTSC	Department of Toxic Substance Control
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FoPC	Features of Potential Concern
HREC	Historical Recognized Environmental Condition
HMMD	Hazardous Materials Management Division, County of San Diego
HVAC	heating, ventilation, and air conditioning
HVOCs	halogenated volatile organic compounds
HWSSL	Hazardous Waste and Substances Sites List
IDW	**i**nvestigation-derived wastes
IPM	**i**ntegrated pest management
JURMP	Jurisdictional Urban Runoff Management Program
LEL	lower explosive limit
LESA	Limited Environmental Site Assessment
LNAPL	Light Nonaqueous Phase Liquid
LOA	Letter of Authorization
LUFT	leaking underground fuel tank
LUST	leaking underground storage tank
mg/kg	milligrams per kilogram
MIWD	Metropolitan Industrial Wastewater Division
MSCP	Multiple Species Conservation Plan
MSDS	Material Safety Data Sheet
MTBE	methyl tertiary butyl ether; *also* methyl tert-butyl ether
NA	not applicable
NCP	National Contingency Plan
ND	not detected
NESSHAPS	National Emissions Standards for Hazardous Air Pollutants
NFA	no further action
NFRAP	No Further Remedial Action Plan
NOI	Notice of Intent

NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
OLS	**o**rdinary least squared
OSHA	Occupational Safety and Health Administration
PCBs	polychlorinated biphenyls
PCE	perchloroethene/perchloroethylene, *or* "Perc"; *also* tetrachloroethene/tetrachloroethylene
PEAR	Preliminary Environmental Assessments Required
PID	photoionization detector
PMP	Property Mitigation Plan
PAHs	polynuclear aromatic hydrocarbons
PRG	Preliminary Remediation Goals
PRP	potentially responsible party (pursuant to CERCLA)
PSH	phase-separated hydrocarbons
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RCRA VIOL	Comprehensive Environmental Response, Compensation and Liability Act–hazardous waste generators violations/enforcement actions
RCRIS-G	Comprehensive Environmental Response, Compensation, and Liability Act Information System–Generators (hazardous waste)
REC	recognized environmental condition
RF	remote fill
RNA	remediation by natural attenuation
RQs	retail quantities
RWQCB	Regional Water Quality Control Board
SAM	Site Assessment and Mitigation Program (San Diego County Department of Environmental Health)
SAP	Site Assessment Protocol
SCL	Department of Toxic Substance Control database
SDG&E	San Diego Gas and Electric
SI	**s**ite inspection
SRQs	small retail quantities
SMP	Soil Management Plan
SPCC	Spill Prevention Control and Countermeasure
STLC	Soluble Threshold Limit Concentration
SWAT	Solid Waste Assessment Test
SWIS	Solid Waste Information System
SWLF	Solid Waste Landfills
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TCA	Trichloroethane; also 1,1,1 TCA

TCE	trichloroethene; trichloroethylene
TCLP	Toxicity Characteristic Leaching Procedure
THF	Tetrahydrofuran
TPH	total petroleum hydrocarbons
TPHg	TPH as gasoline
TPHd	TPH as diesel
TPHext	TPH extended range
TPHo	TPH oil range
TRIS	Toxic Release Information System
TRPH	total recoverable petroleum hydrocarbons
TTLCs	Total Threshold Limit Concentrations
UAR	unauthorized release
USGS	United States Geological Survey
UST	underground storage tank
VAP	Voluntary Action Plan
VES	Vapor Extraction System
WDR	Waste Discharge Requirements
WET	Waste Extraction Test
WMUDS	Waste Management Unit Database System

DEPARTMENT OF ENVIRONMENTAL HEALTH CORRESPONDENCE

County of Riverside

DEPARTMENT OF ENVIRONMENTAL HEALTH

www.rivcoeh.org

Environmental Protection & Oversight Division
Hazardous Materials Management Branch

REQUEST FOR RECORDS

Requests for review of records are processed on a first come, first serve basis and the processing time is approximately 2-4 weeks. As required by California Public Records Act Section 6250 et seq., a response will be given within ten (10) business days to confirm receipt of your request.

Pursuant to California Government Code, Section 6254 (f), records of pending investigations and informant's names, addresses, and telephone numbers, will not be released.

For access to electronic records available online, visit the Public Information section at www.rivcoeh.org for more details.

REQUESTOR INFORMATION		
NAME: Tyler Overton	DATE OF REQUEST: 9/9/2022	
BUSINESS NAME (IF ANY): SCS Engineers		
RETURN LEGAL MAILING ADDRESS: 8799 Balboa Ave #290		
CITY: San Diego	STATE: CA	ZIP: 92123
PHONE: 619-458-2799		

The following information is required. **List each street address separately.**

	SITE STREET ADDRESS (NO APNs)	CITY
1.	33521 ZEIDERS ROAD, MENIFEE, CA 92584	Menifee/Sun City
2.	33751 ZEIDERS RDSUN CITY, CA 92381	Sun City
3.		
4.		
5.		
6.		
7.		

Requests must be made in writing and submitted by mail, email, or in person to the following office:

4065 County Circle Drive, Room 104, Riverside, CA 92503
Phone: (951) 358-5055
Email: DEHRecordsMgmt@rivco.org
Mailing Address: P.O. Box 7909, Riverside, CA 92513-7909

For our office locations call us at (888) 722-4234 or visit our website at www.rivcoeh.org

County of Riverside

DEPARTMENT OF ENVIRONMENTAL HEALTH

JEFF JOHNSON, DIRECTOR

Records Request Acknowledgement Letter

September 9, 2022

Request No: **55849**

Request Date: **9/9/2022**

SCS Engineers
Attn: Tyler Overton
8799 Balboa Ave #290
San Diego, CA. 92123

Re: **33521 ZEIDERS ROAD, MENIFEE**

We have received your request for records and a search of our files is being processed.

Once the research is completed, you will be notified regarding the outcome.

Note: Riverside County Environmental Health began storing records for the Hazardous Materials Management Division in 1986. Records for disclosure information in the cities of Corona and Riverside may need to be directed to the local City Fire Department. They can be reached at 951-736-2220 (Corona) and 951-826-5737 (Riverside).

Please feel free to use the following contact information to reach out to us with any questions:

Riverside County Department of Environmental Health
Hazardous Materials Management Division
4065 County Circle Dr., Rm. 104
Riverside, CA 92503
Telephone: 951-358-5055 Fax: 951-358-5017

Additional information can be found on our website at **www.rivcoeh.org**

County of Riverside

DEPARTMENT OF ENVIRONMENTAL HEALTH

JEFF JOHNSON, DIRECTOR

Records Request Acknowledgement Letter

September 9, 2022

Request No: 55849

Request Date: **9/9/2022**

SCS Engineers
Attn: Tyler Overton
8799 Balboa Ave #290
San Diego, CA. 92123

Re: **33521 ZEIDERS ROAD, MENIFEE**

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Once the research is completed, you will be notified regarding the outcome.

Note: Riverside County Environmental Health began storing records for the Hazardous Materials Management Division in 1986. Records for disclosure information in the cities of Corona and Riverside may need to be directed to the local City Fire Department. They can be reached at 951-736-2220 (Corona) and 951-826-5737 (Riverside).

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County of Riverside

DEPARTMENT OF ENVIRONMENTAL HEALTH

JEFF JOHNSON, DIRECTOR

Records Request Acknowledgement Letter

September 9, 2022

Request No: **55849**

Request Date: **9/9/2022**

SCS Engineers
Attn: Tyler Overton
8799 Balboa Ave #290
San Diego, CA. 92123

Re: **33751 ZEIDERS ROAD, SUN CITY**

We have received your request for records and a search of our files is being processed.

Once the research is completed, you will be notified regarding the outcome.

Note: Riverside County Environmental Health began storing records for the Hazardous Materials Management Division in 1986. Records for disclosure information in the cities of Corona and Riverside may need to be directed to the local City Fire Department. They can be reached at 951-736-2220 (Corona) and 951-826-5737 (Riverside).

Please feel free to use the following contact information to reach out to us with any questions:

Riverside County Department of Environmental Health
Hazardous Materials Management Division
4065 County Circle Dr., Rm. 104
Riverside, CA 92503
Telephone: 951-358-5055 Fax: 951-358-5017

Additional information can be found on our website at **www.rivcoeh.org**

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK PROGRAM

SITE NAME: Bouris Ranches SITE NO: **99-15244**

I. Agency Information

Date: 10/18/99

AGENCY NAME: County of Riverside, Department of Environmental Health
Hazardous Materials Management Division
ADDRESS: 4065 County Circle Dr. P.O. Box 7600 Riverside CA 92513-7600 (909) 358-5055
STAFF PERSON: Dori Malloy -- Hazardous Materials Management Specialist

II. Case Information

SITE NAME: Bouris Ranches
SITE ADDRESS: 33751 Zeiders Road, Sun City
RB LUSTIS CASE NO: **LOP/LOCAL CASE NO**: 99-15244
URR FILING DATE: **SWEEPS NO**:

RESPONSIBLE PARTIES	ADDRESS	PHONE NUMBER
H.G. & Betty Bouris	33751 Zeider Rd., Sun City	

TANK #	SIZE	CONTENTS	REMOVED/CLOSED IN-PLACE?	DATE
1	4.5K	Diesel	removed	04/13/99
2	3.5K	Gasoline	removed	04/13/99
3	6.5K	Diesel	removed	04/13/99

III. Release and Site Characterization Information

CAUSE & TYPE OF RELEASE: UST release of unknown cause
SITE CHARACTERIZATION COMPLETE? Yes [X] No [ ]
DATE APPROVED BY OVERSIGHT AGENCY: 10/08/99

MONITORING WELLS INSTALLED? Yes [ ] No [X] NUMBER:
PROPER SCREEN INTERVAL? Yes [ ] No [ ] N/A [X]
HIGHEST GW DEPTH BELOW GROUND SURFACE: 18' bgs **LOWEST DEPTH**: 24' bgs
FLOW DIRECTION: estimated to the northeast

MOST SENSITIVE CURRENT GW USE: beneficial
ARE DRINKING WATER WELLS AFFECTED? Yes[ ] No [X]
AQUIFER NAME:

SURFACE WATER AFFECTED? Yes [ ] No [X]
NEAREST/AFFECTED SW NAME:
OFF-SITE BENEFICIAL USE IMPACTS (ADDRESS/LOCATIONS):

REPORTS ON FILE? Yes [X] No [ ]
LOCATION OF REPORTS: County of Riverside, Department of Environmental Health
Hazardous Materials Management Division
4065 County Circle Drive P.O. Box 7600 Riverside CA 92513-7600
(909) 358-5055

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK PROGRAM

SITE NAME: Bouris Ranches SITE NO: 99-15244

III. Release and Site Characterization Information (cont.)

TREATMENT & DISPOSAL OF AFFECTED MATERIAL

MATERIAL	AMOUNT	ACTION (Treatment or disposal & destination)	DATE
TANK	3	recycled at AMR	04/13/99
PIPING	3	recycled at AMR	04/13/99
RINSEATE	yes	Demenno Kerdoon	04/13/99
SOIL			
GROUNDWATER			
OTHER			

MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS -- Before & After Cleanup

CONTAMINANT	SOIL ppm				GROUNDWATER ppb	
	BEFORE	DEPTH	AFTER	DEPTH	BEFORE	AFTER
TPH (GAS)	4.2	15' bgs	ND	20' bgs		
TPH (DIESEL)	8,588	15' bgs	ND	20' bgs		
TRPH (418.1)						
BENZENE	ND	ALL	ND	ALL		
TOLUENE	.039	13' bgs	ND	20' bgs		
XYLENE	4.503	13' bgs	ND	20' bgs		
ETHYLBENZENE	2.238	15' bgs	ND	20' bgs		
MTBE	ND	ALL	ND	ALL		
OTHER						

COMMENTS (soil types, depth of remediation, etc.): Soils in the vicinity of the excavated area consisted of silty fine to coarse sands to a depth of approximately 4' bgs and decomposed granite at depths greater than 4' bgs.

IV. Closure

DOES COMPLETED CORRECTIVE ACTION PROTECT EXISTING BENEFICIAL USES AS PER THE REGIONAL BOARD BASIN PLAN? Yes [X] No [ ]
DOES COMPLETED CORRECTIVE ACTION PROTECT POTENTIAL BENEFICIAL USES PER THE REGIONAL BOARD BASIN PLAN? Yes [X] No [ ]
DOES THE CORRECTIVE ACTION PROTECT PUBLIC HEALTH FOR CURRENT LAND USE? Yes[X] No [ ]
SITE MANAGEMENT REQUIREMENTS:

SHOULD CORRECTIVE ACTION BE REVIEWED IF LAND USE CHANGES? Yes [X] No [ ]

MONITORING WELLS DECOMMISSIONED? Yes [ ] No [ ] None Installed [X]
NUMBER DECOMMISSIONED: **NUMBER RETAINED**:

LIST ENFORCEMENT ACTIONS TAKEN: none
LIST ENFORCEMENT ACTIONS RESCINDED: none

CASE CLOSURE SUMMARY
LEAKING UNDERGROUND FUEL STORAGE TANK PROGRAM

SITE NAME: Bouris Ranches SITE NO: 99-15244

V. Local Agency Representative Data

NAME: Earl Tuntland TITLE: Hazardous Materials Program Manager
SIGNATURE: [signature] DATE: 1/29/00

VI. RWQCB Notification

DATE SUBMITTED TO RWQCB: RWQCB RESPONSE: Concurs w/ Closure
RWQCB STAFF NAME: TITLE: Chief, UST Section
SIGNATURE: Kenneth R. Williams DATE: 1-19-2000

VII. Additional Comments, Data, Etc.

Three USTs (4.5K diesel, 3.5K gas, 6.5K diesel) were removed from the site on 04/13/99. The samples collected from beneath the tanks at the time of removal indicated that there was some diesel contamination (1,600 ppm) present at 4' beneath the bottom of the tanks at the east end of the former tank pit.

A remedial excavation was conducted on July 6, 1999. The excavation was extended to a maximum depth of 20' bgs in the vicinity of samples S2, S7, and S8 (hot spot). At 20' bgs, the samples were all ND, indicating that the vertical limit of the contamination had been identified. The majority of the excavation was extended to approximately 17' bgs, due to cost constraints. The lateral limits of the excavation were limited to the west by the wall of a garage structure and to the south by a subsurface electrical line; however, a trench was extended to approximately 15' bgs, south of the subsurface electrical line. The trench provided an opportunity to pursue the lateral edge of the contamination.

A total of 150 tons of contaminated soil was removed from the excavation and is being temporarily stored on site pending our approval to use it as road base.

The consultants have estimated that approximately 45 cubic yards of diesel contaminated soil remain in place at depths between 17' bgs to 20' bgs beneath the former USTs. There is also the possibility that small volumes (less than 5 cubic yards each) may be present beneath the subsurace electrical line and beneath the garage wall.

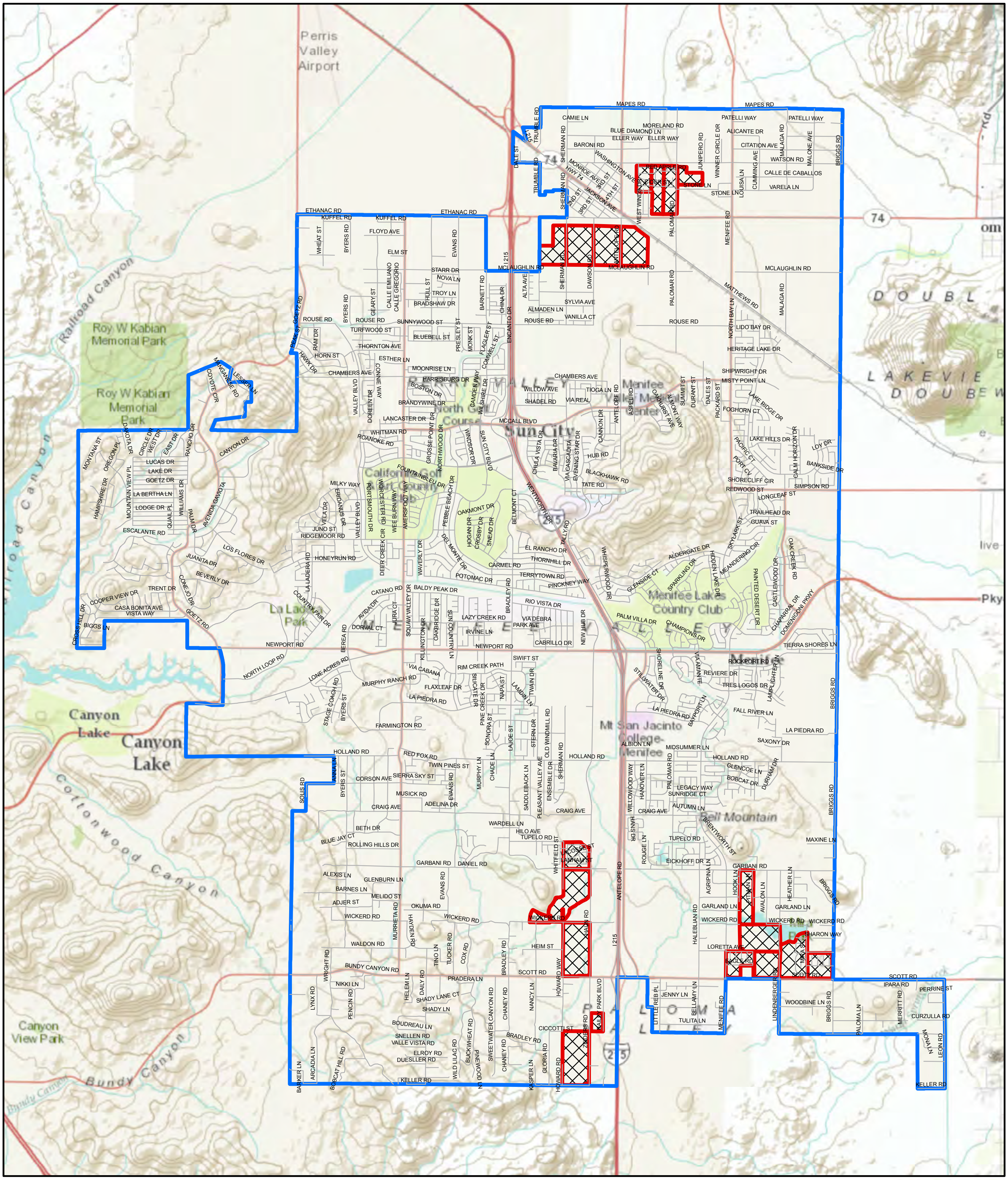
No groundwater was encountered during the remedial excavation, however groundwater exists at the site at depths ranging from 18'-24' bgs. There are two groundwater production wells in the vicinity of the former Ust cavity. Well #1 is located approximately 100' west-southwest of the former Usts and is currently operational (produces water for irrigation on the property). The total depth of the well is approximately 100' bgs. Well #2 is located approximately 110' east-southeast of the former USTs. The total well depth is approximately 35' bgs, and the well is not currently used for production. Both wells were monitored and sampled. The results were ND for both wells for TPH-g, TPH-d, BTEX, and MTBE. Although neither well is in the preferred downgradient direction, they are nearby.

The consultants are requesting closure based upon the facts that: (1) the majority of the source (diesel contaminated soil) has been removed; (2) neither Benzene nor MTBE was detected in any of the soil samples; (3) the groundwater at the site does not appear to have been impacted.

rev. 9/95

Post-it® Fax Note 7671 | Date 1/19 | # of pages ▶ 1
To Dori Mulloy | From Ken Williams
Co./Dept. RIV. Co. EHD | Co. RWQCB #8
Phone # | Phone # 1-909-782-4496
Fax # 1-909-358-5017 | Fax #

PERMITTED BIOSOLIDS/SLUDGE APPLICATION MAP



Legend

City of Menifee Boundary

Composite Fields

0 0.5 1 2 3 4 Miles

N

BUILDING AND FIRE DEPARTMENT RECORDS

REQUEST

Skip to main content

Public Record Requests

City of Menifee

Request 22-554 Open

Dates

Received

September 9, 2022 via web

Staff Assigned

Departments

Building

Point of contact

Cristina Hernandez

Request

Hello,

I am seeking any permits or records for 33521 Zeiders Road, Menifee, California 92584.

Please include:

-Fire Department records (incident reports, permits, hazardous materials/waste records, violations, tank permits, etc.)

-Building Department records (permits, building records, etc.)

-Waste water department records (permits, records, etc.)

Thank you,

Tyler Overton

Project Professional

SCS Engineers

(619) 458-2799

toverton@scsengineers.com

Timeline Documents

Department Assignment Public

Building

September 9, 2022, 11:44am (auto-assigned)

Request Opened Public

Request received via web

September 9, 2022, 11:44am by Tyler Overton

AIR POLLUTION CONTROL DISTRICT CORRESPONDENCE

From: Overton, Tyler
To: PublicRecordsRequests@aqmd.gov
Subject: Records request - Menifee/Sun City
Date: Friday, September 9, 2022 12:00:00 PM

Hello,

I am requesting all records for the property located at 33521 Zeiders Road, Menifee, California 92584, APN 384-150-001.

Thank you,

Tyler Overton

Project Professional

SCS Engineers

(619) 458-2799

toverton@scsengineers.com

Overton, Tyler

From: PublicRecordsRequests@aqmd.gov
Sent: Friday, September 9, 2022 5:05 PM
To: Overton, Tyler
Subject: SCAQMD Public Records Request Submittal Acknowledgement

This email originated from outside of SCS Engineers. Do not click links or open attachments unless you recognize the sender and know the content is safe.



Tyler Overton
Scs Engineers
8799 Balboa Ave, Ste 290
San Diego, California 92123

RE: Request for Records
Request: Hello,

I am requesting all records for the property located at 33521 Zeiders Road, Menifee, California 92584, APN 384-150-001.

Thank you,

Tyler Overton
Project Professional
SCS Engineers
(619) 458-2799
toverton@scsengineers.com

Facility ID:

Facility Name:

Address: 33521 ZEIDERS ROAD

City: MENIFEE

Your request for records has been received by the Public Records Unit and will be assigned for processing. A Control Number will be issued for your request and should be referenced in all future communications and correspondence. **Within 10 days of our receipt of your request, we will send you an email letting you know if we have the requested records, and how long it will take to provide them. Please send any follow up emails to the staff member that sends this email, and reference the request number.**

Should you have any questions or need additional information, please do not hesitate to contact me at (909) 396-3700, Tuesday through Friday, between the hours of 8:00 a.m. 4:30 p.m.

Sincerely,

COLLEEN PAINE

For Colleen Paine
Public Records Coordinator

1414896

Overton, Tyler

From: mcard@aqmd.gov
Sent: Thursday, September 15, 2022 10:26 AM
To: Overton, Tyler
Cc: ob_pr_support_docs@aqmd.gov
Subject: SCAQMD Public Records Request# 1414896, -- Completion Letter

This email originated from outside of SCS Engineers. Do not click links or open attachments unless you recognize the sender and know the content is safe.



Tyler Overton
Scs Engineers
8799 Balboa Ave, Ste 290
San Diego, California 92123

Ref: Request for Records; Control No. **1414896**, Received 9/13/2022
RE: P/O'S, NOV'S & I/R'S FOR 33521 ZEIDERS RD, MENIFEE, CA, FROM 9/22/1922-9/9/2022.

After a thorough search of this agency's records:

NO REQUESTED RECORDS WERE FOUND FOR THE ABOVE REFERENCED FACILITY OR FACILITY SITE.

Should you have any questions or need additional information, please do not hesitate to contact me at (909) 396-3700, Tuesday through Friday, between the hours of **8:00 a.m.** and **4:30 p.m.**

Sincerely,

Michelle Card
For Colleen Paine
Public Records Coordinator
Information Management

REGIONAL WATER QUALITY CONTROL BOARD CORRESPONDENCE

Overton, Tyler

From: Overton, Tyler
Sent: Monday, September 12, 2022 8:33 AM
To: 'FileReview8@waterboards.ca.gov'
Subject: Records request - Menifee, CA

Hello,

Please let this email serve as a records request for 33521 Zeiders Road Menifee, California 92584.

Thank you,

Tyler Overton
Project Professional
SCS Engineers
(619) 458-2799
toverton@scsengineers.com

Overton, Tyler

From: WB-RB8-FileReview8 <FileReview8@waterboards.ca.gov>
Sent: Friday, September 16, 2022 7:18 AM
To: Overton, Tyler
Subject: RE: Records request - Menifee, CA

This email originated from outside of SCS Engineers. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning,

After careful review of our records, we show we have no files for the following site(s):
33521 Zeiders Road Menifee, California 92584

If we can be of further assistance, please do not hesitate to contact us again.

Thank you,
File Review Desk
3737 Main St. Suite 500
Riverside, CA 92501

From: Overton, Tyler <TOverton@scsengineers.com>
Sent: Monday, September 12, 2022 8:33 AM
To: WB-RB8-FileReview8 <FileReview8@waterboards.ca.gov>
Subject: Records request - Menifee, CA

EXTERNAL:

Hello,

Please let this email serve as a records request for 33521 Zeiders Road Menifee, California 92584.

Thank you,

Tyler Overton
Project Professional
SCS Engineers
(619) 458-2799
toverton@scsengineers.com

ENVIRONMENTAL DATABASE REPORT

33521 Zeiders Road
33521 Zeiders Road
Menifee, CA 92584

Inquiry Number: 7114227.2s
September 12, 2022

The EDR Radius Map™ Report

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

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Orphan Summary	33
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GEOCHECK ADDENDUM

GeoCheck - Not Requested

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

33521 ZEIDERS ROAD
MENIFEE, CA 92584

COORDINATES

Latitude (North):	33.6333860 - 33ˆ 38' 0.18''
Longitude (West):	117.1778130 - 117ˆ 10' 40.12''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	483508.8
UTM Y (Meters):	3721328.8
Elevation:	1575 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12015913 ROMOLAND, CA
Version Date:	2018
South Map:	12014848 MURRIETA, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140603
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
33521 ZEIDERS ROAD
MENIFEE, CA 92584

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	BOURIS RANCH	33751 ZEIDER RD	LUST	Higher	241, 0.046, SE
A2	BOURIS RANCHES	33751 ZEIDERS RD	HIST UST	Higher	507, 0.096, SE
3	PRIVATE RESIDENCE	PRIVATE RESIDENCE	LUST, Cortese, CERS	Higher	586, 0.111, SSE
4	UNIVERSAL PIPELINE I	33490 BAILEY PARK BL	RCRA NonGen / NLR	Lower	758, 0.144, ENE
5	MACKENZIE LANDSCAPE	33380 BAILEY PARK BL	RCRA NonGen / NLR	Lower	936, 0.177, ENE
6	INLAND EROSION CONTR	33325 BAILY PARK BLV	RCRA-LQG	Lower	1133, 0.215, NE
B7	CHANNELL CORP	33380 ZEIDERS RD	RCRA NonGen / NLR	Lower	1308, 0.248, NNE
B8	CHANNELL COMMERCIAL	33380 ZEIDERS RD	CERS HAZ WASTE, CERS	Lower	1308, 0.248, NNE
9	BOURIS RANCH	33751 ZEIDERS	LUST, SWEEPS UST, CA FID UST, HIST CORTESE	Higher	1522, 0.288, South
10	MURIETTA HIGHLANDS P	I-215/ANTELOPE ROAD/	ENVIROSTOR, SCH	Lower	2448, 0.464, SE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

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

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

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

Federal institutional controls / engineering controls registries

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

US INST CONTROLS ..... Institutional Controls Sites List

Federal ERNS list

ERNS ..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ..... State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

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

Lists of state and tribal leaking storage tanks

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ..... Statewide SLIC Cases

Lists of state and tribal registered storage tanks

FEMA UST ..... Underground Storage Tank Listing
UST ..... Active UST Facilities
AST ..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST ..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing
VCP ..... Voluntary Cleanup Program Properties

Lists of state and tribal brownfield sites

BROWNFIELDS ..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ..... Delisted National Clandestine Laboratory Register

HIST Cal-Sites ---- Historical Calsites Database
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register
PFAS ---- PFAS Contamination Site Location Listing
AQUEOUS FOAM ---- Former Fire Training Facility Assessments Listing

Local Lists of Registered Storage Tanks

SWEEPS UST ---- SWEEPS UST Listing
CA FID UST ---- Facility Inventory Database
CERS TANKS ---- California Environmental Reporting System (CERS) Tanks

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CHMIRS ---- California Hazardous Material Incident Report System
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees

INDIAN RESERV - Indian Reservations
FUSRAP - Formerly Utilized Sites Remedial Action Program
UMTRA - Uranium Mill Tailings Sites
LEAD SMELTERS - Lead Smelter Sites
US AIRS - Aerometric Information Retrieval System Facility Subsystem
US MINES - Mines Master Index File
ABANDONED MINES - Abandoned Mines
FINDS - Facility Index System/Facility Registry System
DOCKET HWC - Hazardous Waste Compliance Docket Listing
UXO - Unexploded Ordnance Sites
ECHO - Enforcement & Compliance History Information
FUELS PROGRAM - EPA Fuels Program Registered Listing
CA BOND EXP. PLAN - Bond Expenditure Plan
CUPA Listings - CUPA Resources List
DRYCLEANERS - Cleaner Facilities
EMI - Emissions Inventory Data
ENF - Enforcement Action Listing
Financial Assurance - Financial Assurance Information Listing
HAZNET - Facility and Manifest Data
ICE - ICE
HWP - EnviroStor Permitted Facilities Listing
HWT - Registered Hazardous Waste Transporter Database
MINES - Mines Site Location Listing
MWMP - Medical Waste Management Program Listing
NPDES - NPDES Permits Listing
PEST LIC - Pesticide Regulation Licenses Listing
PROC - Certified Processors Database
Notify 65 - Proposition 65 Records
UIC - UIC Listing
UIC GEO - UIC GEO (GEOTRACKER)
WASTEWATER PITS - Oil Wastewater Pits Listing
WDS - Waste Discharge System
WIP - Well Investigation Program Case List
MILITARY PRIV SITES - MILITARY PRIV SITES (GEOTRACKER)
PROJECT - PROJECT (GEOTRACKER)
WDR - Waste Discharge Requirements Listing
CIWQS - California Integrated Water Quality System
CERS - CERS
NON-CASE INFO - NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS - OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS - PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT - SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ - Well Stimulation Project (GEOTRACKER)
HWTS - Hazardous Waste Tracking System
MINES MRDS - Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF - Recovered Government Archive Solid Waste Facilities List

EXECUTIVE SUMMARY

RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal RCRA generators

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

A review of the RCRA-LQG list, as provided by EDR, and dated 06/20/2022 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
INLAND EROSION CONTR EPA ID:: CAL000269879	33325 BAILY PARK BLV	NE 1/8 - 1/4 (0.215 mi.)	6	18

Lists of state- and tribal hazardous waste facilities

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/25/2022 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MURIETTA HIGHLANDS P	***I-215/ANTELOPE ROAD/***	***SE 1/4 - 1/2 (0.464 mi.)***	***10***	***29***

Facility Id: 33010043
Status: No Action Required

Lists of state and tribal leaking storage tanks

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

A review of the LUST list, as provided by EDR, has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOURIS RANCH	33751 ZEIDER RD	SE 0 - 1/8 (0.046 mi.)	A1	9
Database: RIVERSIDE CO. LUST, Date of Government Version: 03/31/2022 Facility Status: 9 Facility Id: 9915244				
PRIVATE RESIDENCE	***PRIVATE RESIDENCE***	***SSE 0 - 1/8 (0.111 mi.)***	***3***	***10***
Database: LUST, Date of Government Version: 05/23/2022 Global Id: T0606500609 Status: Completed - Case Closed				
BOURIS RANCH	***33751 ZEIDERS***	***S 1/4 - 1/2 (0.288 mi.)***	***9***	***26***
Database: LUST REG 8, Date of Government Version: 02/14/2005 Facility Status: Case Closed Global ID: T0606500609				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

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

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 04/18/2022 has revealed that there is 1 CERS HAZ WASTE site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHANNELL COMMERCIAL	***33380 ZEIDERS RD***	***NNE 1/8 - 1/4 (0.248 mi.)***	***B8***	***23***

Local Lists of Registered Storage Tanks

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1

HIST UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOURIS RANCHES Facility Id: 00000015248	33751 ZEIDERS RD	SE 0 - 1/8 (0.096 mi.)	A2	9

Other Ascertainable Records

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

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/20/2022 has revealed that there are 3 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
UNIVERSAL PIPELINE I EPA ID:: CAL000386418	33490 BAILEY PARK BL	ENE 1/8 - 1/4 (0.144 mi.)	4	13
MACKENZIE LANDSCAPE EPA ID:: CAL000283381	33380 BAILEY PARK BL	ENE 1/8 - 1/4 (0.177 mi.)	5	16
CHANNELL CORP EPA ID:: CAL000444898	33380 ZEIDERS RD	NNE 1/8 - 1/4 (0.248 mi.)	B7	21

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

A review of the Cortese list, as provided by EDR, and dated 06/21/2022 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PRIVATE RESIDENCE Cleanup Status: COMPLETED - CASE CLOSED	***PRIVATE RESIDENCE***	***SSE 0 - 1/8 (0.111 mi.)***	***3***	***10***

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

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

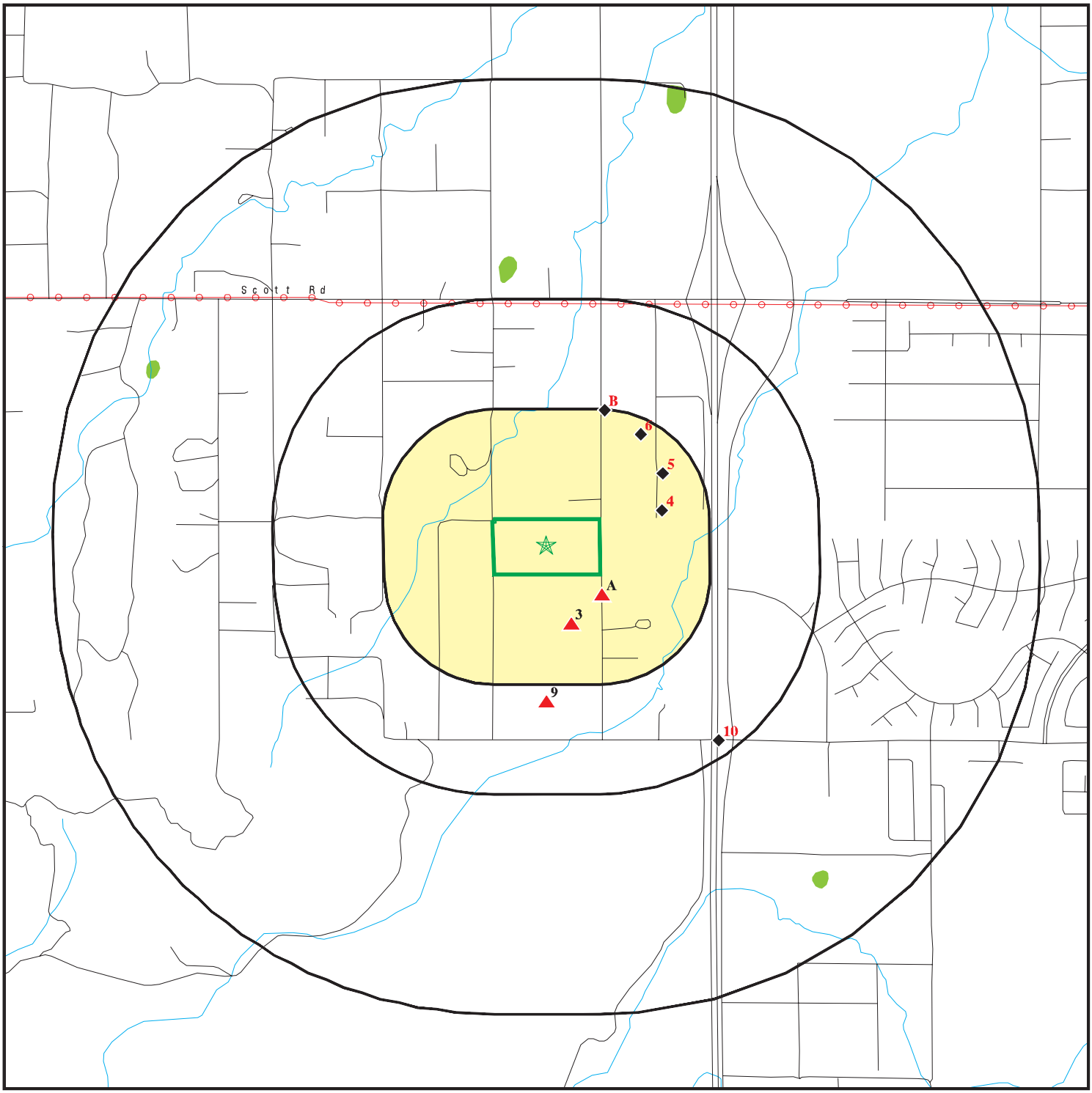
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BOURIS RANCH Reg Id: 083303550T	***33751 ZEIDERS***	***S 1/4 - 1/2 (0.288 mi.)***	***9***	***26***

EXECUTIVE SUMMARY

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

Site Name	Database(s)
ZEIDERS ROAD IMPROVEMENTS FOR COMM	CDL
PROPOSED ELEMENTARY SCHOOL NO. 15	FINDS, ECHO
	ENVIROSTOR, SCH

OVERVIEW MAP - 7114227.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

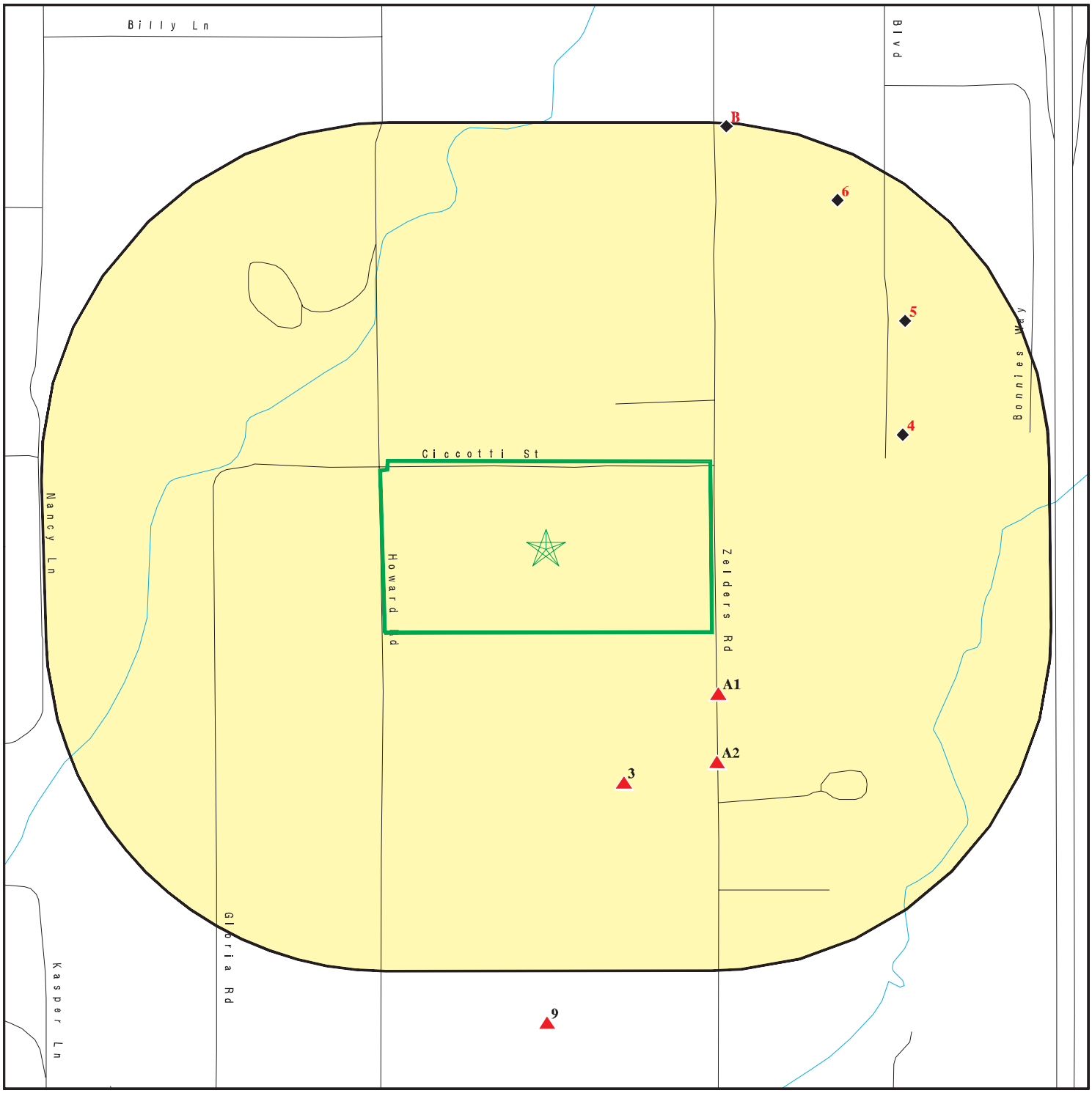
N

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

SITE NAME: 33521 Zeiders Road	CLIENT: SCS Engineers
ADDRESS: 33521 Zeiders Road Menifee CA 92584	CONTACT: Tyler Overton INQUIRY #: 7114227.2s
LAT/LONG: 33.633386 / 117.177813	DATE: September 12, 2022 12:31 pm

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DETAIL MAP - 7114227.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

Areas of Concern

N

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

SITE NAME: 33521 Zeiders Road	CLIENT: SCS Engineers
ADDRESS: 33521 Zeiders Road Menifee CA 92584	CONTACT: Tyler Overton
LAT/LONG: 33.633386 / 117.177813	INQUIRY #: 7114227.2s DATE: September 12, 2022 12:32 pm

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MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		2	0	1	NR	NR	3
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	1	NR	NR	NR	1
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		1	0	NR	NR	NR	1
CA FID UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	3	NR	NR	NR	3
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		1	0	0	NR	NR	1
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	1	NR	NR	1
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	4	5	3	0	0	12

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **BOURIS RANCH** **LUST** **S105033590**
SE **33751 ZEIDER RD** **N/A**
< 1/8 **SUN CITY, CA**
0.046 mi.
241 ft. **Site 1 of 2 in cluster A**

Relative: RIVERSIDE CO. LUST:
Higher

Name:	BOURIS RANCH
Address:	33751 ZEIDER RD
City,State,Zip:	SUN CITY, CA
Region:	RIVERSIDE
Facility ID:	9915244
Employee:	Malloy
Site Closed:	Yes
Case Type:	Soil only
Facility Status:	closed/action completed
Casetype Decode:	Soil only is impacted
Fstatus Decode:	Closed/Action completed

Actual:
1581 ft.

A2 **BOURIS RANCHES** **HIST UST** **U001575607**
SE **33751 ZEIDERS RD** **N/A**
< 1/8 **SUN CITY, CA 92381**
0.096 mi.
507 ft. **Site 2 of 2 in cluster A**

Relative: HIST UST:
Higher

Name:	BOURIS RANCHES
Address:	33751 ZEIDERS RD
City,State,Zip:	SUN CITY, CA 92381
File Number:	0001F449
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001F449.pdf
Region:	STATE
Facility ID:	00000015248
Facility Type:	Other
Other Type:	FARM
Contact Name:	FARM
Telephone:	7146791009
Owner Name:	BOURIS RANCHES
Owner Address:	33751 ZEIDERS RD
Owner City,St,Zip:	SUN CITY, CA 92381
Total Tanks:	0004
Tank Num:	001
Container Num:	1
Year Installed:	1978
Tank Capacity:	00004500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	002
Container Num:	2
Year Installed:	1974
Tank Capacity:	00003000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual

Actual:
1585 ft.

BOURIS RANCHES (Continued) **U001575607**

Tank Num: 003
Container Num: 3
Year Installed: 1974
Tank Capacity: 00006500
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported
Leak Detection: Visual

Tank Num: 004
Container Num: 4
Year Installed: 1982
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Visual

Click here for Geo Tracker PDF:

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3 **PRIVATE RESIDENCE** **LUST** **S110654927**
SSE **PRIVATE RESIDENCE** **Cortese** **N/A**
< 1/8 **SUN CITY, CA 92584** **CERS**
0.111 mi.
586 ft.

Relative:
Higher

Actual:
1589 ft.

LUST:
Name: PRIVATE RESIDENCE
Address: PRIVATE RESIDENCE
City,State,Zip: SUN CITY, CA 92584
Lead Agency: RIVERSIDE COUNTY LOP
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0606500609
Global Id: T0606500609
Latitude: 33.6308588792708
Longitude: -117.176815040337
Status: Completed - Case Closed
Status Date: 01/28/2000
Case Worker: SCB
RB Case Number: 083303550T
Local Agency: RIVERSIDE COUNTY LOP
File Location: Local Agency Warehouse
Local Case Number: 9915244
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0606500609
Contact Type: Regional Board Caseworker
Contact Name: MIGUEL OVIEDO
Organization Name: SANTA ANA RWQCB (REGION 8)
Address: 3737 Main Street, Suite 500
City: RIVERSIDE
Email: miguel.oviedo@waterboards.ca.gov
Phone Number: 9517823238

Global Id: T0606500609

PRIVATE RESIDENCE (Continued) **S110654927**

Contact Type: Local Agency Caseworker
Contact Name: SHARON BOLTINGHOUSE
Organization Name: RIVERSIDE COUNTY LOP
Address: 3880 LEMON ST SUITE 200
City: RIVERSIDE
Email: sbolting@rivco.org
Phone Number: 9519558980

LUST:
Global Id: T0606500609
Action Type: ENFORCEMENT
Date: 01/27/2000
Action: File review - #RCDEH Upload Site File 7/10/2015

Global Id: T0606500609
Action Type: Other
Date: 05/21/1999
Action: Leak Reported

Global Id: T0606500609
Action Type: REMEDIATION
Date: 07/06/1999
Action: Excavation

Global Id: T0606500609
Action Type: Other
Date: 04/13/1999
Action: Leak Stopped

Global Id: T0606500609
Action Type: ENFORCEMENT
Date: 01/28/2000
Action: Closure/No Further Action Letter - #RCDEH0128

Global Id: T0606500609
Action Type: Other
Date: 05/21/1999
Action: Leak Discovery

LUST:
Global Id: T0606500609
Status: Open - Case Begin Date
Status Date: 04/13/1999

Global Id: T0606500609
Status: Open - Site Assessment
Status Date: 05/21/1999

Global Id: T0606500609
Status: Open - Remediation
Status Date: 07/06/1999

Global Id: T0606500609
Status: Completed - Case Closed
Status Date: 01/28/2000

PRIVATE RESIDENCE (Continued) **S110654927**

CORTESE:

Name:	PRIVATE RESIDENCE
Address:	PRIVATE RESIDENCE
City,State,Zip:	SUN CITY, CA 92584
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0606500609
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	PRIVATE RESIDENCE
Address:	PRIVATE RESIDENCE
City,State,Zip:	SUN CITY, CA 92584
Site ID:	223877
CERS ID:	T0606500609
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	MIGUEL OVIEDO - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 Main Street, Suite 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9517823238,

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	SHARON BOLTINGHOUSE - RIVERSIDE COUNTY LOP
Entity Title:	Not reported
Affiliation Address:	3880 LEMON ST SUITE 200
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9519558980,

4
ENE
1/8-1/4
0.144 mi.
758 ft.

UNIVERSAL PIPELINE INC
33490 BAILEY PARK BLVD
MENIFEE, CA 92584

RCRA NonGen / NLR

1024838940
CAL000386418

Relative:
Lower

Actual:
1548 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20200417
Handler Name:	UNIVERSAL PIPELINE INC	
Handler Address:		33490 BAILEY PARK BLVD
Handler City,State,Zip:		MENIFEE, CA 92584
EPA ID:		CAL000386418
Contact Name:		MARK WILSON
Contact Address:		HWY 74
Contact City,State,Zip:		PERRIS, CA 92570
Contact Telephone:		951-461-9318
Contact Fax:		951-461-9328
Contact Email:		UNPIPELINE@VERIZON.NET
Contact Title:		OWNER
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		HWY 74
Mailing City,State,Zip:		PERRIS, CA 92570
Owner Name:	Not reported	
Owner Type:		Not reported
Operator Name:	UNIVERSAL PIPELINE INC	
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

UNIVERSAL PIPELINE INC (Continued) **1024838940**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200422
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: UNIVERSAL PIPELINE INC	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	24791 HWY 74
Owner/Operator City,State,Zip:	PERRIS, CA 92570
Owner/Operator Telephone:	951-461-9318
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	951-461-9328
Owner/Operator Email:	UPIPELINE@VERIZON.NET

Owner/Operator Indicator:	Operator
Owner/Operator Name: MARK WILSON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	33490 BAILEY PARK BLVD
Owner/Operator City,State,Zip:	MENIFEE, CA 92584
Owner/Operator Telephone:	951-461-9318
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

UNIVERSAL PIPELINE INC (Continued) **1024838940**

Owner/Operator Indicator: Owner
Owner/Operator Name: UNIVERSAL PIPELINE INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 33490 BAILEY PARK BLVD
Owner/Operator City,State,Zip: MENIFEE, CA 92584
Owner/Operator Telephone: 951-461-9318
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200417
Handler Name: UNIVERSAL PIPELINE INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20130620
Handler Name: UNIVERSAL PIPELINE INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 23492
NAICS Description: POWER AND COMMUNICATION TRANSMISSION LINE CONSTRUCTION

NAICS Code: 237130
NAICS Description: POWER AND COMMUNICATION LINE AND RELATED STRUCTURES CONSTRUCTION

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

Evaluation Action Summary:
Evaluations: No Evaluations Found

5
ENE
1/8-1/4
0.177 mi.
936 ft.

MACKENZIE LANDSCAPE INC
33380 BAILEY PARK BLVD
MENIFEE, CA 92584

RCRA NonGen / NLR

1024809190
CAL000283381

Relative:
Lower

Actual:
1540 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20040624
Handler Name:	MACKENZIE LANDSCAPE INC
Handler Address:	33380 BAILEY PARK BLVD
Handler City,State,Zip:	MENIFEE, CA 92584-9585
EPA ID:	CAL000283381
Contact Name:	MICHAEL MACKENZIE
Contact Address:	33380 BAILEY PARK BLVD
Contact City,State,Zip:	MENIFEE, CA 92584
Contact Telephone:	951-679-5477
Contact Fax:	951-679-1687
Contact Email:	GUDRUN@MACKENZIELANDSCAPE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	33380 BAILEY PARK BLVD
Mailing City,State,Zip:	MENIFEE, CA 92584-9585
Owner Name:	MAC KENZIE LANDSCAPES INC
Owner Type:	Other
Operator Name:	MICHAEL MACKENZIE
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

MACKENZIE LANDSCAPE INC (Continued) **1024809190**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: MICHAEL MACKENZIE	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	33380 BAILEY PARK BLVD
Owner/Operator City,State,Zip:	MENIFEE, CA 92584
Owner/Operator Telephone:	951-679-5477
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: MAC KENZIE LANDSCAPES INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	33380 BAILEY PARK BLVD
Owner/Operator City,State,Zip:	MENIFEE, CA 92584-9585
Owner/Operator Telephone:	951-679-5477
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

MACKENZIE LANDSCAPE INC (Continued) **1024809190**

Historic Generators:
- Receive Date: 20040624
- Handler Name: MACKENZIE LANDSCAPE INC
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 54132
- NAICS Description: LANDSCAPE ARCHITECTURAL SERVICES

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

Evaluation Action Summary:
- Evaluations: No Evaluations Found

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6 **INLAND EROSION CONTROL SERVICES INC** **RCRA-LQG** **1012175691**
NE **33325 BAILY PARK BLVD** **CAL000269879**
1/8-1/4 **MENIFEE, CA 92584**
0.215 mi.
1133 ft.

Relative: **Lower**

Actual: **1538 ft.**

RCRA-LQG:
- Date Form Received by Agency: 20080630
- Handler Name: INLAND EROSION CONTROL SERVICES INC
- Handler Address: 33325 BAILY PARK BLVD
- Handler City,State,Zip: MENIFEE, CA 92584
- EPA ID: CAL000269879
- Contact Name: JAMES D WILSON
- Contact Address: Not reported
- Contact City,State,Zip: Not reported
- Contact Telephone: 951-301-8334
- Contact Fax: Not reported
- Contact Email: NAMES@INLANDEROSION.COM
- Contact Title: Not reported
- EPA Region: 09
- Land Type: Private
- Federal Waste Generator Description: Large Quantity Generator
- Non-Notifier: Not reported
- Biennial Report Cycle: 2007
- Accessibility: Not reported
- Active Site Indicator: Handler Activities
- State District Owner: Not reported
- State District: Not reported
- Mailing Address: P.O. BOX 2340
- Mailing City,State,Zip: SUN CITY, CA 92586
- Owner Name: CARLOS GARCIA

INLAND EROSION CONTROL SERVICES INC (Continued) **1012175691**

Owner Type:	Private
Operator Name:	INLAND EROSION CONTROL
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20081015
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported

INLAND EROSION CONTROL SERVICES INC (Continued) **1012175691**

Sub-Part P Indicator: No

Biennial: List of Years
Year: 2007

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D002
Waste Description: CORROSIVE WASTE

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CARLOS GARCIA
Legal Status: Private
Date Became Current: 20030501
Date Ended Current: Not reported
Owner/Operator Address: 33325 BAILY PARK BLVD
Owner/Operator City,State,Zip: MENIFEE, CA 92584
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: INLAND EROSION CONTROL
Legal Status: Private
Date Became Current: 20030501
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20080630
Handler Name: INLAND EROSION CONTROL SERVICES INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56173
NAICS Description: LANDSCAPING SERVICES

INLAND EROSION CONTROL SERVICES INC (Continued) **1012175691**

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

Evaluation Action Summary:
Evaluations: No Evaluations Found

B7 **CHANNELL CORP** **RCRA NonGen / NLR** **1025871781**
NNE **33380 ZEIDERS RD** **CAL000444898**
1/8-1/4 **MENIFEE, CA 92584**
0.248 mi.
1308 ft. **Site 1 of 2 in cluster B**

Relative: **Lower**
Actual: **1540 ft.**

RCRA NonGen / NLR:

Date Form Received by Agency:		20190328
Handler Name:	CHANNELL CORP	
Handler Address:		33380 ZEIDERS RD
Handler City,State,Zip:		MENIFEE, CA 92584
EPA ID:		CAL000444898
Contact Name:		DAVID HARDWICK
Contact Address:		33380 ZEIDERS RD
Contact City,State,Zip:		MENIFEE, CA 92584
Contact Telephone:		951-265-5576
Contact Fax:		951-296-2333
Contact Email:		DHARDWICK@CHANNELL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 9022
Mailing City,State,Zip:		TEMECULA, CA 92589
Owner Name:	WILLIAM H CHANNELL	
Owner Type:		Other
Operator Name:	DAVID HARDWICK	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		Yes
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

CHANNELL CORP (Continued) **1025871781**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190628
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: WILLIAM H CHANNELL	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	33380 ZEIDERS RD
Owner/Operator City,State,Zip:	MENIFEE, CA 92584
Owner/Operator Telephone:	951-719-2600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: DAVID HARDWICK	
Legal Status:	Other

CHANNELL CORP (Continued) **1025871781**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	33380 ZEIDERS RD
Owner/Operator City,State,Zip:	MENIFEE, CA 92584
Owner/Operator Telephone:	951-265-5576
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190328
Handler Name: CHANNELL CORP	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	334418
NAICS Description:	PRINTED CIRCUIT ASSEMBLY (ELECTRONIC ASSEMBLY) MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

B8 **CHANNELL COMMERCIAL CORP** **CERS HAZ WASTE** **S124438554**
NNE **33380 ZEIDERS RD** **CERS** **N/A**
1/8-1/4 **MENIFEE, CA 92584**
0.248 mi.
1308 ft. **Site 2 of 2 in cluster B**

Relative:
Lower

Actual:
1540 ft.

CERS HAZ WASTE:

Name:	CHANNELL COMMERCIAL CORP
Address:	33380 ZEIDERS RD
City,State,Zip:	MENIFEE, CA 92584
Site ID:	523434
CERS ID:	10804780
CERS Description:	Hazardous Waste Generator

CERS:

Name:	CHANNELL COMMERCIAL CORP
Address:	33380 ZEIDERS RD
City,State,Zip:	MENIFEE, CA 92584
Site ID:	523434
CERS ID:	10804780
CERS Description:	Chemical Storage Facilities

CHANNELL COMMERCIAL CORP (Continued) **S124438554**

Violations:

Site ID:	523434
Site Name:	Channell Commercial Corp
Violation Date:	08-13-2020
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Returned to compliance on 09/11/2020. OBSERVATION: Waste manifests were not able to be located at the time of the inspection and were therefore unable to be reviewed. CORRECTIVE ACTION: Owner/operator shall obtain all manifests for hazardous waste shipments which occurred in the past 3 years. Manifests shall be made available for inspection. *Send waste manifests to kgill@rivco.org to correct this violation.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,

Site ID:	523434
Site Name:	Channell Commercial Corp
Violation Date:	08-13-2020
Citation:	Un-Specified
Violation Description:	Business Plan Program - Operations/Maintenance - General Local Ordinance
Violation Notes:	Returned to compliance on 09/11/2020. OBSERVATION: The facility is missing NFPA-704 signs on the entrance to the maintenance building/warehouse and on the cage where propane cylinders are stored. CORRECTIVE ACTION: Owner/operator shall research chemical safety data sheets and post proper NFPA-704 signs. Signs shall be posted on the entrance to the maintenance/warehouse building and on the propane cage. The sign on the propane cage shall contain only the ratings for propane (1 in blue, 4 in red, 0 in yellow, blank in the white section), and the sign for the maintenance/warehouse building shall contain the ratings which show the hazards of each material stored inside. Review the SDS for each material and use the highest rating in each category for the sign. *Send pictures of the posted signs to kgill@rivco.org to correct this violation.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-13-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Facility manufactures telecommunications equipment. Hazardous materials onsite consist of compressed gases (oxygen, carbon dioxide, acetylene, argon, and nitrogen), oil, and propane.
Eval Division:	Riverside County Department of Env Health
Eval Program:	HMRRP
Eval Source:	CERS,

CHANNELL COMMERCIAL CORP (Continued) **S124438554**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-13-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Facility manufactures telecommunications equipment. Hazardous wastes generated onsite consist of waste oil, solid waste (spent absorbent and pads), and soiled rags. NOTE: Because waste manifests were not able to be reviewed at the time of inspection, items on this report related to use of a licensed hauler, disposal of waste at an authorized location, etc. are marked as "N/A", as they cannot be determined at this time. When manifests are received and reviewed, compliance with these items will be verified. NOTE: #48 - Ensure that a copy of each waste manifest is sent to The Department of Toxic Substances Control (DTSC). Their hazardous waste tracking system currently shows zero waste manifests for this facility, but it cannot be determined if that is because manifests are not being sent to DTSC or if DTSC is simply behind on entering manifests into the system.
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Riverside Cnty Env Health
Entity Title: Not reported
Affiliation Address: 4065 County Circle Drive, Room 104
Affiliation City: Riverside
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92503
Affiliation Phone: (951) 358-5055,

Affiliation Type Desc: Document Preparer
Entity Name: Kolby Williams
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: Williams H Channell Jr
Entity Title: Not reported
Affiliation Address: PO Box 9022
Affiliation City: Temecula
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92589
Affiliation Phone: (951) 719-2600,

Affiliation Type Desc: Operator
Entity Name: William H Channell Jr
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported

CHANNELL COMMERCIAL CORP (Continued) **S124438554**

Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (951) 719-2600,

Affiliation Type Desc: Parent Corporation
Entity Name: Channell Commercial Corp
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: PO Box 9022
Affiliation City: Temecula
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92589
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: Kolby Williams
Entity Title: Not reported
Affiliation Address: 1700 Justin Road
Affiliation City: Rockwall
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 75087
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: Ed Burke
Entity Title: Chief Technical Officer
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

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9 **BOURIS RANCH** **LUST** **S101619416**
South **33751 ZEIDERS** **SWEEPS UST** **N/A**
1/4-1/2 **SUN CITY, CA 92584** **CA FID UST**
0.288 mi. **HIST CORTESE**
1522 ft.

Relative: LUST REG 8:
Higher
Name: BOURIS RANCH
Actual: Address: 33751 ZEIDERS
1605 ft. City: SUN CITY
Region: 8
County: Riverside

BOURIS RANCH (Continued) **S101619416**

Regional Board:	Santa Ana Region
Facility Status:	Case Closed
Case Number:	083303550T
Local Case Num:	99-15244
Case Type:	Soil only
Substance:	Diesel
Qty Leaked:	Not reported
Abate Method:	Not reported
Cross Street:	Not reported
Enf Type:	CLOS
Funding:	Not reported
How Discovered:	Tank Closure
How Stopped:	Not reported
Leak Cause:	UNK
Leak Source:	UNK
Global ID:	T0606500609
How Stopped Date:	Not reported
Enter Date:	9/17/1999
Date Confirmation of Leak Began:	5/21/1999
Date Preliminary Assessment Began:	Not reported
Discover Date:	5/21/1999
Enforcement Date:	Not reported
Close Date:	2/1/2000
Date Prelim Assessment Workplan Submitted:	Not reported
Date Pollution Characterization Began:	Not reported
Date Remediation Plan Submitted:	Not reported
Date Remedial Action Underway:	Not reported
Date Post Remedial Action Monitoring:	Not reported
Enter Date:	9/17/1999
GW Qualifies:	Not reported
Soil Qualifies:	Not reported
Operator:	Not reported
Facility Contact:	Not reported
Interim:	Not reported
Oversite Program:	LUST
Latitude:	33.6312175
Longitude:	-117.1756064
MTBE Date:	Not reported
Max MTBE GW:	Not reported
MTBE Concentration:	2
Max MTBE Soil:	Not reported
MTBE Fuel:	0
MTBE Tested:	MTBE Detected. Site tested for MTBE & MTBE detected
MTBE Class:	*
Staff:	TME
Staff Initials:	Not reported
Lead Agency:	Local Agency
Local Agency:	33000L
Hydr Basin #:	SAN JACINTO (8-5)
Beneficial:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Work Suspended:	No

Summary: Case closed on February 1, 2000.

SWEEPS UST:
Name: BOURIS RANCHES

BOURIS RANCH (Continued) **S101619416**

Address:	33751 ZEIDERS RD
City:	SUN CITY
Status:	Active
Comp Number:	15248
Number:	2
Board Of Equalization:	Not reported
Referral Date:	10-21-92
Action Date:	10-21-92
Created Date:	02-29-88
Owner Tank Id:	001394
SWRCB Tank Id:	33-000-015248-000001
Tank Status:	A
Capacity:	6500
Active Date:	10-21-92
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	3

Name:	BOURIS RANCHES
Address:	33751 ZEIDERS RD
City:	SUN CITY
Status:	Active
Comp Number:	15248
Number:	2
Board Of Equalization:	Not reported
Referral Date:	10-21-92
Action Date:	10-21-92
Created Date:	02-29-88
Owner Tank Id:	001394
SWRCB Tank Id:	33-000-015248-000002
Tank Status:	A
Capacity:	3500
Active Date:	10-21-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	BOURIS RANCHES
Address:	33751 ZEIDERS RD
City:	SUN CITY
Status:	Active
Comp Number:	15248
Number:	2
Board Of Equalization:	Not reported
Referral Date:	10-21-92
Action Date:	10-21-92
Created Date:	02-29-88
Owner Tank Id:	001394
SWRCB Tank Id:	33-000-015248-000003
Tank Status:	A
Capacity:	4500
Active Date:	10-21-92
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL

BOURIS RANCH (Continued) **S101619416**

Number Of Tanks: Not reported

CA FID UST:
Facility ID: 33006906
Regulated By: UTNKA
Regulated ID: 00015248
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 7146791009
Mail To: Not reported
Mailing Address: P O BOX 62
Mailing Address 2: Not reported
Mailing City,St,Zip: SUN CITY 92381
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

HIST CORTESE:
edr_fname: BOURIS RANCH
edr_fadd1: 33751
City,State,Zip: SUN CITY, CA 92584
Region: CORTESE
Facility County Code: 33
Reg By: LTNKA
Reg Id: 083303550T

10
SE
1/4-1/2
0.464 mi.
2448 ft.

MURIETTA HIGHLANDS PROJECT **ENVIROSTOR** **S118756700**
I-215/ANTELOPE ROAD/KELLER ROAD **SCH** **N/A**
MURRIETA, CA 92584

Relative:
Lower

Actual:
1568 ft.

ENVIROSTOR:
Name: MURIETTA HIGHLANDS PROJECT
Address: I-215/ANTELOPE ROAD/KELLER ROAD
City,State,Zip: MURRIETA, CA 92584
Facility ID: 33010043
Status: No Action Required
Status Date: 01/25/2002
Site Code: 404273
Site Type: School Investigation
Site Type Detailed: School
Acres: 11.4
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Kamili Siglowide
Supervisor: Charles Ridenour
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 67
Senate: 28
Special Program: Not reported
Restricted Use: NO

MURIETTA HIGHLANDS PROJECT (Continued) **S118756700**

Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.627
Longitude: -117.1710
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: MENIFEE UNION ELEMENTARY SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: MENIFEE USD-MURRIETA HIGHLANDS PROJECT
Alias Type: Alternate Name
Alias Name: MURIETTA HIGHLANDS PROJECT
Alias Type: Alternate Name
Alias Name: 404273
Alias Type: Project Code (Site Code)
Alias Name: 33010043
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 01/25/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/22/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/25/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 10/01/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

MURIETTA HIGHLANDS PROJECT (Continued) **S118756700**

Name:	MURIETTA HIGHLANDS PROJECT
Address:	I-215/ANTELOPE ROAD/KELLER ROAD
City,State,Zip:	MURRIETA, CA 92584
Facility ID:	33010043
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	11.4
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Kamili Siglowide
Supervisor:	Charles Ridenour
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404273
Assembly:	67
Senate:	28
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	01/25/2002
Restricted Use:	NO
Funding:	School District
Latitude:	33.627
Longitude:	-117.1710
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	MENIFEE UNION ELEMENTARY SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	MENIFEE USD-MURRIETA HIGHLANDS PROJECT
Alias Type:	Alternate Name
Alias Name:	MURIETTA HIGHLANDS PROJECT
Alias Type:	Alternate Name
Alias Name:	404273
Alias Type:	Project Code (Site Code)
Alias Name:	33010043
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	01/25/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	01/22/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	01/25/2002

MURIETTA HIGHLANDS PROJECT (Continued) **S118756700**

Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	10/01/2001
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Count: 3 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MENIFEE	S126330261	PROPOSED ELEMENTARY SCHOOL NO. 15	BRIGGS ROAD/WICKERD ROAD	92584	ENVIROSTOR, SCH
MENIFEE	S107539902		ON KELLER ST AND ZEIDERS RD	92584	CDL
MENIFEE	1023696398	ZEIDERS ROAD IMPROVEMENTS FOR COMM	ZEIDERS RD 2800 FT SECTION BET	92584	FINDS, ECHO

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
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: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 09/06/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

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

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

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/19/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 71

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 06/21/2022
Number of Days to Update: 6

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/15/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

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

Date of Government Version: 04/25/2022
Date Data Arrived at EDR: 04/26/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 04/25/2022
Date Data Arrived at EDR: 04/26/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 81

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

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

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

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

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing

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

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

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

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

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

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

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

LUST REG 9: Leaking Underground Storage Tank Report

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

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

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

LUST REG 8: Leaking Underground Storage Tanks

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

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

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

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

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

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

LUST REG 5: Leaking Underground Storage Tank Database

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

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

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

LUST REG 4: Underground Storage Tank Leak List

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

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

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

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
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: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

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

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

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

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

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

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

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

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

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

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

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

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

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

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

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

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

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

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

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

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

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

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

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

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

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

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

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

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 06/01/2022
Date Data Arrived at EDR: 06/09/2022
Date Made Active in Reports: 08/26/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
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: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/07/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 04/25/2022
Date Data Arrived at EDR: 04/26/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2022
Next Scheduled EDR Contact: 11/07/2022
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: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/15/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

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

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/21/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 09/08/2022
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/09/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: No Update Planned

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

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 08/12/2022
Date Data Arrived at EDR: 08/16/2022
Date Made Active in Reports: 08/26/2022
Number of Days to Update: 10

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/16/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: No Update Planned

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

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

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

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

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

Date of Government Version: 04/25/2022
Date Data Arrived at EDR: 04/26/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/25/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

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

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

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

CERS HAZ WASTE: CERS HAZ WASTE

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

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

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

Date of Government Version: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

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

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 12/10/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 09/06/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 05/05/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/21/2022
Number of Days to Update: 76

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

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

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

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

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

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

Date of Government Version: 05/31/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/14/2022
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

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

Date of Government Version: 04/03/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 05/11/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 73

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

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

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 11/14/2022
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: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Annually

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

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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

Date of Government Version: 06/10/2022
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 69
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

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

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/23/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 04/14/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 89

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/24/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/21/2022
Date Data Arrived at EDR: 03/22/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 3

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

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

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 14

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 68

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 08/30/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/13/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 13

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 01/11/2022
Date Made Active in Reports: 02/14/2022
Number of Days to Update: 34

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/02/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 06/28/2022
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/22/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 73

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

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

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

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

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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

Date of Government Version: 06/21/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 09/08/2022
Number of Days to Update: 79

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/21/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 05/20/2022
Date Data Arrived at EDR: 05/20/2022
Date Made Active in Reports: 08/09/2022
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/16/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

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

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 77

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 09/26/2022
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/12/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 42

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/19/2022
Date Data Arrived at EDR: 04/29/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/09/2022
Date Data Arrived at EDR: 08/10/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 20

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 78

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

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

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

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

HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 06/27/2022
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/06/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/09/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 81
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 05/31/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

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

Date of Government Version: 06/10/2022
Date Data Arrived at EDR: 06/10/2022
Date Made Active in Reports: 08/26/2022
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

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

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: No Update Planned

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

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/16/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Varies

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

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3
Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

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

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/29/2022
Date Data Arrived at EDR: 06/29/2022
Date Made Active in Reports: 07/21/2022
Number of Days to Update: 22

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 07/22/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 5

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 09/02/2022
Number of Days to Update: 79

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 04/21/2022
Date Data Arrived at EDR: 04/22/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/20/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

FRESNO COUNTY:

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

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 05/06/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 81

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 05/06/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 81

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

KINGS COUNTY:

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

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

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

Source: N/A
Telephone: N/A
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/04/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/13/2022
Number of Days to Update: 8

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/29/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 04/12/2022
Date Made Active in Reports: 07/05/2022
Number of Days to Update: 84

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/11/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/21/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82
Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 01/13/2022
Date Data Arrived at EDR: 03/21/2022
Date Made Active in Reports: 06/15/2022
Number of Days to Update: 86
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/24/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 03/22/2022
Date Data Arrived at EDR: 06/24/2022
Date Made Active in Reports: 09/08/2022
Number of Days to Update: 76
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/24/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/14/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 04/21/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 82

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Semi-Annually

MADERA COUNTY:

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

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/22/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

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

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/16/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 08/16/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/21/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 3

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

ORANGE COUNTY:

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

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Annually

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

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

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

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/03/2022
Date Made Active in Reports: 07/20/2022
Number of Days to Update: 78

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/01/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

PLACER COUNTY:

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

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 06/01/2022
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

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

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 8

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Quarterly

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

Date of Government Version: 03/31/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 04/08/2022
Number of Days to Update: 8

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/30/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 06/30/2022
Date Made Active in Reports: 07/05/2022
Number of Days to Update: 5

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/30/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/29/2022
Date Data Arrived at EDR: 04/29/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 6

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/12/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 6

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

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

Date of Government Version: 05/31/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

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

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

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 05/05/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

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

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/05/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/20/2022
Number of Days to Update: 75

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 01/18/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/27/2022
Number of Days to Update: 97

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 78

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/09/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 08/29/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 78
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/03/2022
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/14/2022
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/11/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 05/03/2022
Date Data Arrived at EDR: 05/27/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 76

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 04/18/2022
Date Data Arrived at EDR: 04/19/2022
Date Made Active in Reports: 07/12/2022
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

VENTURA COUNTY:

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

Date of Government Version: 03/28/2022
Date Data Arrived at EDR: 04/28/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 78

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

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

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/22/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/28/2022
Date Data Arrived at EDR: 04/28/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 78

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

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

Date of Government Version: 05/26/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

YOLO COUNTY:

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

Date of Government Version: 03/24/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 06/27/2022
Number of Days to Update: 88
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/22/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/03/2022
Date Data Arrived at EDR: 05/05/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 84
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/08/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 80
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/08/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/28/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/10/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 08/29/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

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

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

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

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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HISTORICAL DOCUMENTATION

33521 Zeiders Road

33521 Zeiders Road

Menifee, CA 92584

Inquiry Number: 7597571.1

March 18, 2024

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

03/18/24

Site Name:

33521 Zeiders Road
33521 Zeiders Road
Menifee, CA 92584
EDR Inquiry # 7597571.1

Client Name:

SCS Engineers
8799 Balboa Avenue
San Diego, CA 92123
Contact: Jennifer Bauer Morton

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2002	1"=500'	Acquisition Date: January 01, 2002	USGS/DOQQ
1996	1"=500'	Acquisition Date: September 30, 1996	USGS/DOQQ
1989	1"=500'	Flight Date: August 15, 1989	USDA
1985	1"=500'	Flight Date: July 28, 1985	USDA
1978	1"=500'	Flight Date: September 20, 1978	USDA
1967	1"=500'	Flight Date: May 15, 1967	USDA
1961	1"=500'	Flight Date: August 18, 1961	USDA
1953	1"=500'	Flight Date: August 28, 1953	USDA
1949	1"=500'	Flight Date: May 23, 1949	USDA
1938	1"=500'	Flight Date: June 14, 1938	USDA

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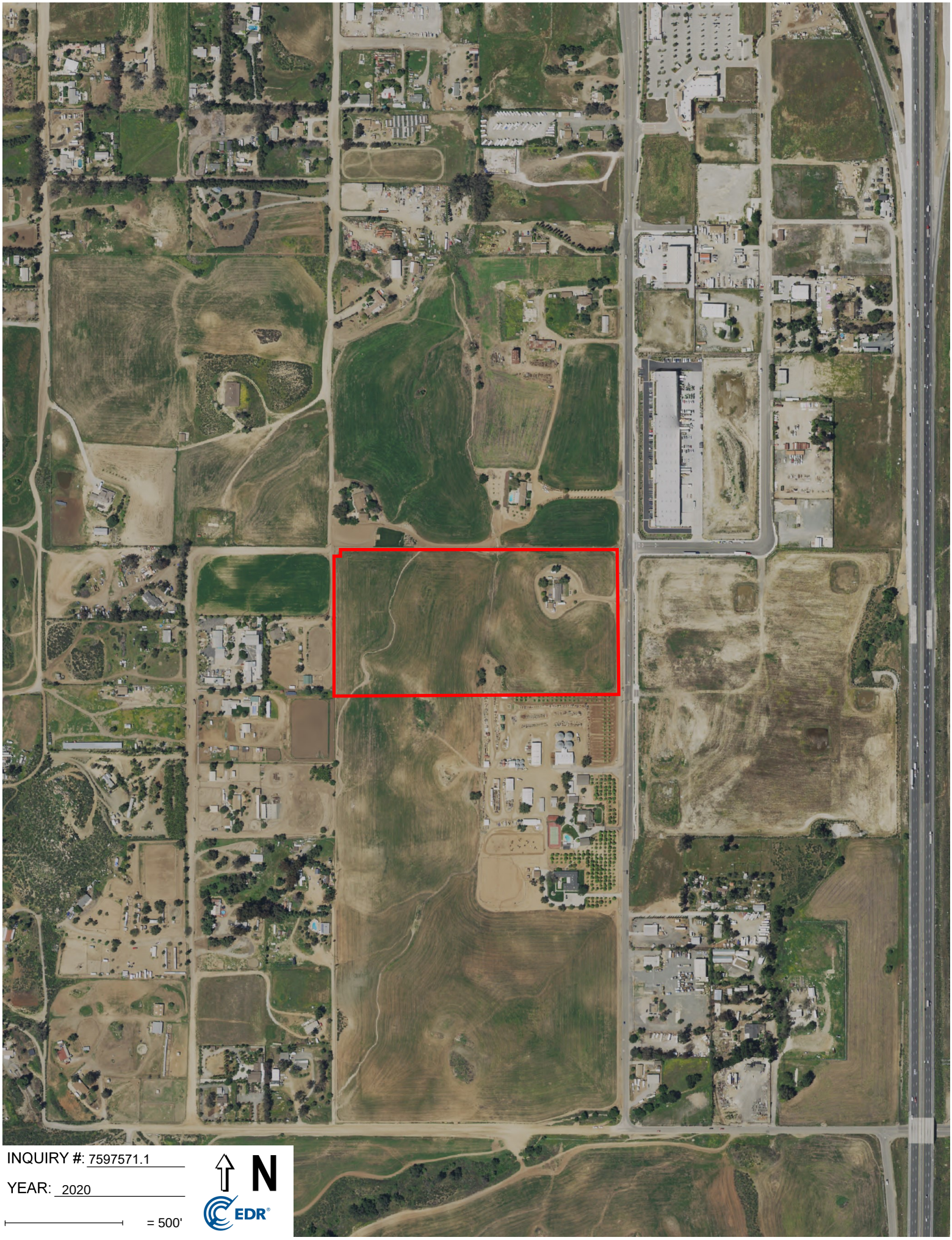
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EDR


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YEAR: 2016
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N
EDR



INQUIRY #: 7597571.1

YEAR: 2012

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EDR



INQUIRY #: 7597571.1

YEAR: 2009

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EDR


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YEAR: 2006
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YEAR: 2002
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YEAR: 1996

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EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.



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EDR



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YEAR: 1985

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EDR



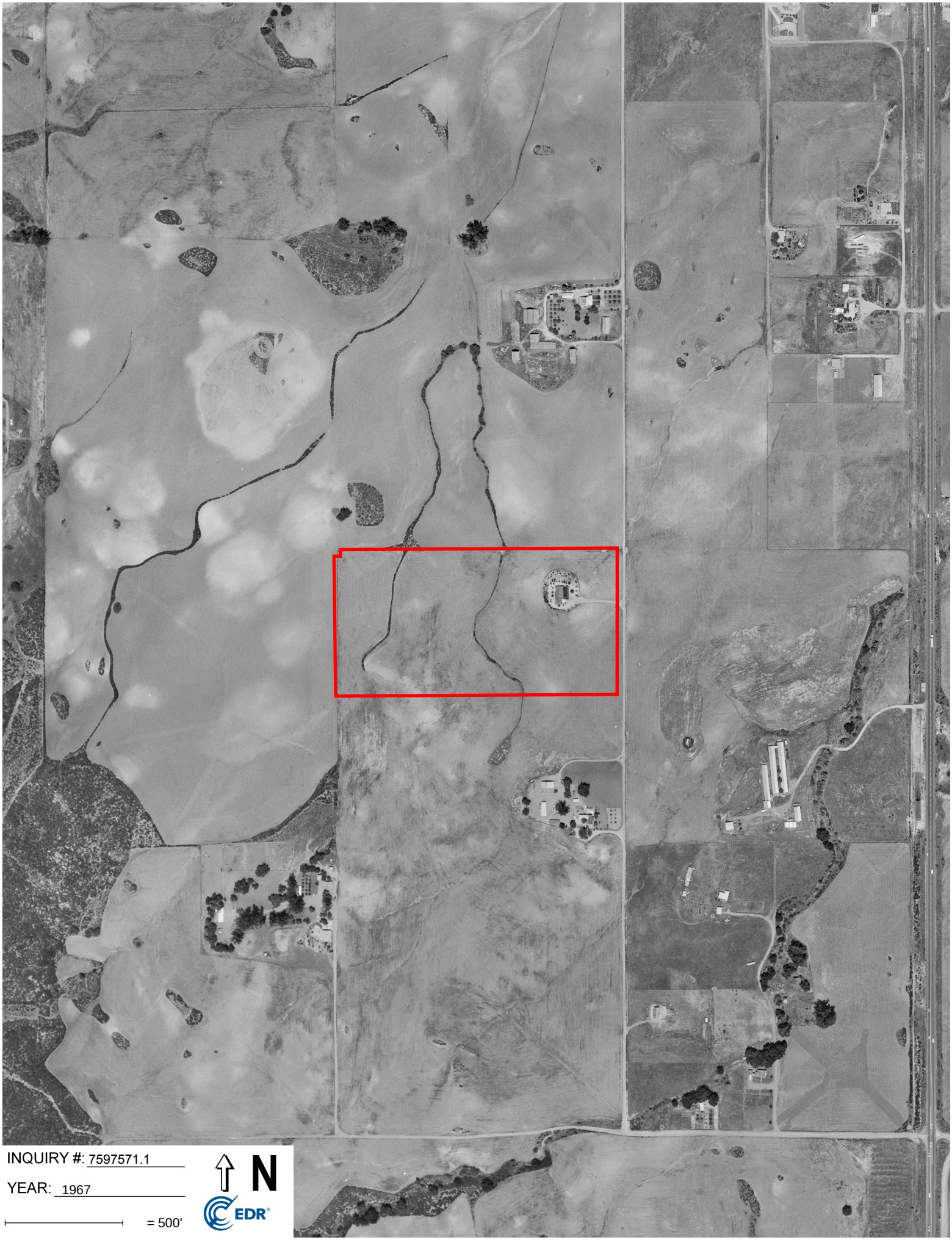
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EDR


INQUIRY #: 7597571.1
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EDR



INQUIRY #: 7597571.1

YEAR: 1961

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EDR



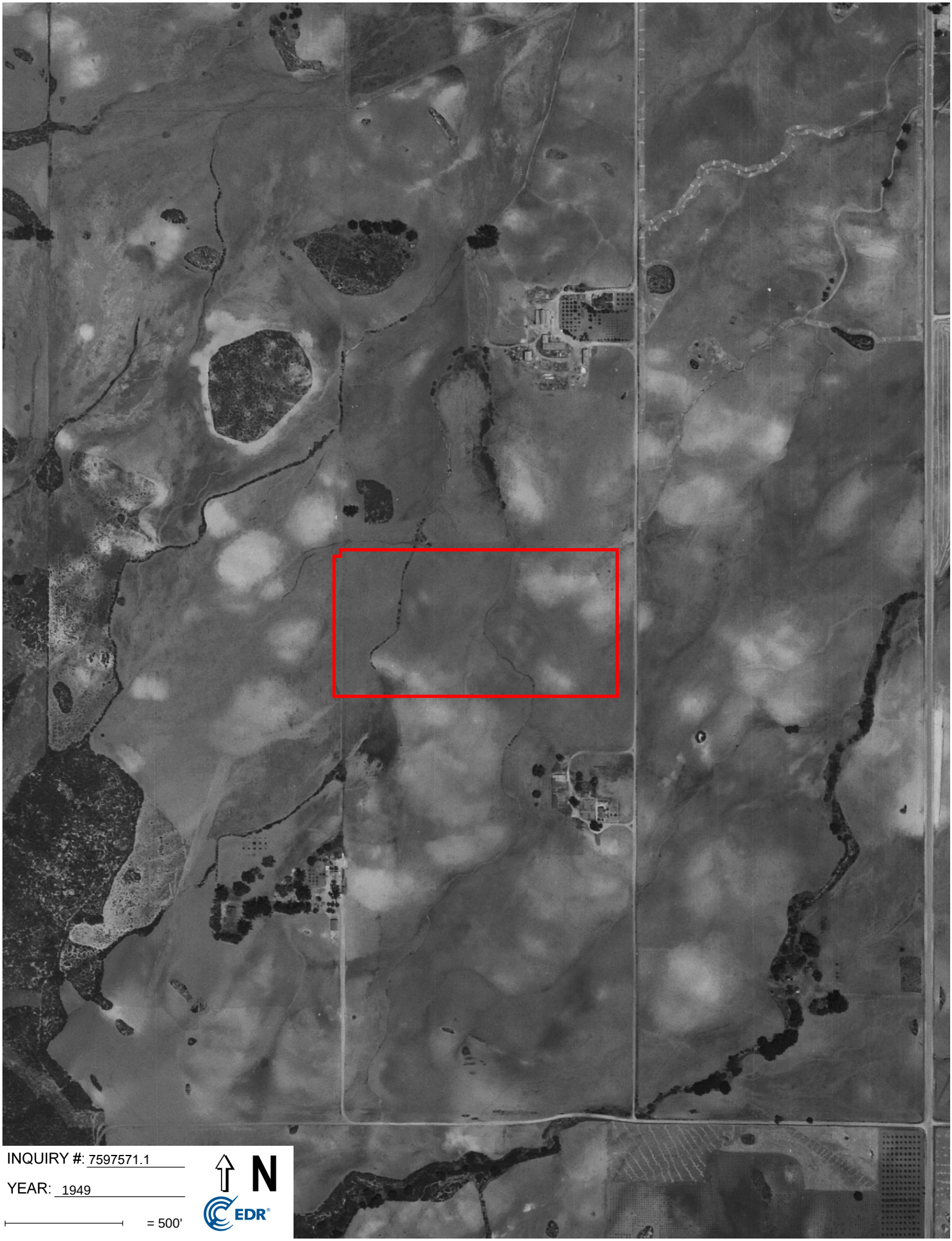
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EDR



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YEAR: 1949

= 500'

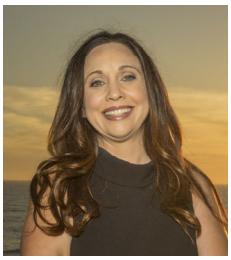
N

EDR


INQUIRY #: 7597571.1
YEAR: 1938
= 500'
N
EDR

RÉSUMÉS

JENNIFER BAUER MORTON, PG


Jennifer Morton, PG

Education

BS – Earth Sciences, University of California, San Diego La Jolla, CA 2001

Professional Licenses

State of California Professional Geologist, License No. 8617

Specialty Certifications

OSHA 40-Hour HAZWOPER Training

Professional Affiliations

San Diego Association of Geologists (Past President, 2015)
Commercial Real Estate Women (CREW)
San Diego Environmental Professionals

Professional Experience

Ms. Morton has worked as an environmental consultant since 2001. As a staff and project geologist Ms. Morton conducted site assessments for numerous leaking underground storage tank projects, installing groundwater monitoring wells, collecting soil and groundwater samples, writing workplans and reports, assisting with remediation, and evaluating data. After several years primarily conducting Phase II site assessments for open environmental cases, Ms. Morton moved into the due diligence area of environmental consulting, initially conducting Phase I/Phase II assessments for gas stations, and later for a wide variety of properties throughout California, as well as in Las Vegas, Nevada and Tucson, Arizona. As a Project Manager, Ms. Morton has overseen numerous Phase I and Phase II site assessments and remediation projects, developing work plans, managing staff and field work, writing and reviewing Phase I and Phase II site assessment reports, developing remediation plans, and interfacing with clients, property owners, and regulatory agencies.

Phase I ESA, cold storage facility, Downtown Los Angeles, California. Ms. Morton conducted a Phase I ESA at a cold storage facility constructed in the 1880's in downtown Los Angeles slated for redevelopment. The facility was located adjacent to railroad tracks and in close proximity to a large remedial excavation for multiple leaking underground storage tanks. The cold storage facility included heavy equipment and stored used oil. Historical fire insurance maps revealed that a large transformer had previously been located at the site during the time period when PCBs were likely used. Ms. Morton also identified the former presence of machine shops and spray paint booths, and provided recommendations for soil and soil vapor sampling prior to redevelopment of the site.

Phase I, Phase II, and Remedial Excavation, auto salvage yard, Chula Vista, California. Ms. Morton conducted a Phase I ESA at an auto salvage yard slated for redevelopment as an office building complex. Ms. Morton identified historical use of the property as a dairy farm. Due to the potential presence of petroleum hydrocarbons associated with auto dismantling activities, Ms. Morton

recommended and conducted soil sampling throughout the property. During grading activities, a large, 20-foot deep illegal landfill was uncovered. Ms. Morton developed a plan for a remedial excavation and confirmation sampling in conjunction with the local oversight agency, leading to case closure and allowing for redevelopment of the property.

Phase I, Phase II, and Soil Vapor Extraction, vacant land/former commercial property, Long Beach, California. Ms. Morton oversaw Phase I, Phase II, health risk assessment, and remediation activities for a property in Long Beach slated for redevelopment as mixed-use commercial and low-income housing. A former dry cleaner and automotive repair facility were identified onsite. Adjoining properties included automotive repair facilities and an upgradient leaking underground storage tank site. Petroleum hydrocarbons and tetrachloroethylene were identified in soil and groundwater at the site. Ms. Morton oversaw the installation of groundwater monitoring wells, permanent soil vapor probes, soil vapor extraction wells, and a soil vapor extraction system. Ms. Morton developed a Removal Action Workplan and worked with the Department of Toxic Substances Control to achieve approval in a short time period to accommodate construction schedules.

Phase I site reconnaissance at a large apartment complex, Los Angeles, California. Ms. Morton was part of a team conducting a site reconnaissance for a Phase I ESA at a large apartment complex in the La Brea neighborhood of Los Angeles. The complex included high-rise apartment towers and garden apartment homes constructed in the 1940s above a shallow oil field. Ms. Morton implemented a radon survey during the site reconnaissance. Ms. Morton identified locations of oil collection sumps and methane monitoring equipment, and discovered that USTs used for fueling resident's vehicles were historically located on the subject property.

Phase I ESA, Historic Inn, Rancho Santa Fe, California. Ms. Morton conducted a Phase I ESA at a hotel and associated residential properties. Ms. Morton identified former agricultural land using historical aerial photographs at the location of the residences located on the hotel property and provided a recommendation for soil sampling prior to redevelopment of the properties.

Phase I and Phase II ESA, palm tree farm, Carlsbad, California. Ms. Morton conducted a Phase I ESA on a property that had been used as a palm tree farm and residence. Ms. Morton discovered regulatory records indicating a UST had also been located at the property. Based on the historical site usage, Ms. Morton recommended soil sampling to determine if the site had been impacted by organochlorine pesticides as well as by petroleum hydrocarbons from the UST. Ms. Morton collected shallow soil samples using a hand auger for pesticide analysis and oversaw direct push drilling in the location of the former UST identified by the property owner to collect soil samples for petroleum hydrocarbon and VOC analysis.

Leaking Underground Storage Tank Investigations, throughout Southern California. Ms. Morton worked on a portfolio of leaking UST projects at gas stations for a major oil company. Ms. Morton conducted groundwater monitoring well installations, soil, and groundwater sampling, and workplan, site assessment, and groundwater monitoring report preparation.

Apartment Complex, San Diego, California. Ms. Morton conducted a Phase I ESA at a 448 unit apartment complex per Freddie Mac guidelines. Although the subject property did not appear on any regulatory databases, Ms. Morton determined that the complex was constructed within the footprint of a former missile manufacturing facility impacted by chlorinated solvents. Ms. Morton completed an extensive file review at the San Diego County Department of Environmental Health, as well as a limited health risk assessment. Ms. Morton determined that the continued presence of volatile organic compounds in soil vapor beneath the subject property at concentrations representing a potential human health risk could not be ruled out, and was therefore considered a recognized environmental condition.

Los Angeles Unified School District, Los Angeles, California. Ms. Morton conducted a Phase I ESA in conformance with California Department of Education requirements at an LAUSD elementary school. Ms. Morton prepared Phase II workplans in conformance with DTSC and LAUSD requirements for several school projects slated for redevelopment, and oversaw soil sampling at one LAUSD property.

Oxnard School District, Oxnard, California. Ms. Morton oversaw Phase I and Phase II ESAs for a portfolio of projects in the Oxnard School District. Soil sampling was conducted in accordance with DTSC requirements. Ms. Morton further oversaw the disposal of contaminated soil encountered during the Phase II assessment at several schools where playgrounds were to be reconstructed.

Encinitas, CA, Terramar Environmental Consulting. As the Owner and Principle Geologist, Ms. Morton provided Phase I and Phase II environmental consulting services. Projects included industrial facilities, gas stations, dry cleaners, schools, agricultural land, multi-family residential properties, office buildings, medical facilities, and shopping centers. Services included Phase I environmental site assessment site reconnaissance and reporting; Phase II soil, groundwater, and soil vapor sampling, data analysis, reporting, and interfacing with regulatory agencies; and remedial excavation oversight, waste disposal coordination, confirmation sampling, data analysis, and reporting.

Carlsbad, CA, Rincon Consultants, Inc. Senior Project Manager responsible for managing Phase I, Phase II, and remediation projects throughout California. Duties included preparing proposals; managing budgets; invoicing; writing and reviewing workplans, Phase I and Phase II environmental site assessment reports, and remediation plans and reports; overseeing soil, soil vapor, and groundwater sampling; writing hazards and geology sections for CEQA documents; managing a soil vapor extraction remediation project; technical input and oversight; and interfacing with regulatory agencies, clients, land owners, city governments, and developers. Projects included drycleaners, former gas stations, agricultural land, auto repair facilities, former industrial facilities with multiple recognized environmental conditions; peer review of site assessment documents and remedial action plan for a State Response site; and a geohazards study on a 120-mile oil pipeline.

San Marcos, CA, Palomar College. Instructor of Oceanography and Geology responsible for teaching Oceanography and Geology courses to majors and non-majors for fulfillment of general physical science requirement. Served as Assistant Advisor to the Geosciences Connection, the campus geosciences club.

Irvine, CA, Conestoga-Rovers and Associates. Project Manager overseeing all aspects of environmental site assessment and remediation projects. Duties included budgeting; invoicing; interfacing with clients and regulatory agencies; writing and reviewing work plans, quarterly status reports, site assessment reports, remediation system optimization reviews, sensitive receptor surveys, and site conceptual models; managing field work, including groundwater monitoring and remediation well installations, groundwater sampling, remediation system installation and monitoring; evaluating laboratory analytical data; and reviewing historic and current geologic and environmental information.

Vista, CA, GeoTek, Inc. Environmental Geologist and Project Manager responsible for managing environmental Phase I and Phase II site assessment projects and remediation projects. Duties included writing proposals, property mitigation plans, Phase I, Phase II and remediation reports; managing and conducting field work including drilling, soil vapor surveys, soil sampling, and a large remedial excavation; evaluating laboratory data; reviewing historic and current geologic and environmental information; communicating with clients and regulatory agencies; managing budgets.

San Diego, CA, SECOR International, Inc. Project Geologist responsible for conducting all aspects of environmental assessments for gasoline service stations. Duties included review of historic and

current geologic and environmental data; preparing proposals, work plans, Phase I/Phase II site assessment reports, and groundwater monitoring reports; communicating with clients and government agencies; overseeing drilling and groundwater monitoring well installations; generating soil boring logs, geologic cross-sections, and groundwater gradient maps; evaluating laboratory analytical data.

Irvine, CA, MACTEC, Inc. Staff Geologist who conducted environmental assessments for leaking underground storage tank sites. Duties included review of historic geologic and environmental information; writing interim remedial action plans, corrective action plans, and work plans for excavations, soil and groundwater sampling, and monitoring well installations; communicating with regulatory agencies; obtaining drilling and encroachment permits; coordinating field activities for soil and groundwater sampling and well installations; monitoring drilling projects, well installations, well development, and well abandonment; performing groundwater gauging and sampling; generating soil boring logs and geologic cross-sections; coordinating waste handling; assisting with preparation of site conceptual models; preparing site assessment and groundwater monitoring reports, groundwater gradient maps, and hydrocarbon isoconcentration maps.

Publications and Presentations

Kuhn J, Legg M, Shleman R, Bauer J. "Neotectonics and Coastal Instability: Orange and Northern San Diego Counties, California." Neotectonics in the North Coastal Area, San Diego County, California. Vol. 1.

Morton, Jennifer, Editor, "Coast to Cactus: Geology and Tectonics, San Diego to Salton Trough." San Diego: Sunbelt Publications 2014.



TYLER OVERTON

Education

BA – Environmental Studies/Geography, University of Colorado, 2002

Specialty Certifications

40-Hour OSHA EPA-Approved Hazardous Waste Operations and Emergency Response Training
Co-chair of the Industrial Environmental Association's Hazardous Materials Committee

Professional Experience

Mr. Overton is an environmental professional specializing in the application of due diligence, including Phase I and Phase II Environmental Site Assessments (ESAs). His experience includes subsurface investigations, remediation, soil management, landfill evaluations, health risk assessments (HRAs), ambient air monitoring, groundwater sampling and monitoring, watershed analysis, land use studies, litigation support, and property assessments. In working with developers, investors, lending institutions, and municipalities in performing Phase I ESAs, Mr. Overton has completed site reconnaissance, regulatory agency record reviews, historical record reviews, historical land use interpretations, data collection, data evaluation, and site assessment reports. Mr. Overton can accurately assess sites and provide valuable information for reports that meet regulatory agency requirements.

Mr. Overton has experience managing drilling operations, soil vapor surveys, remediation projects, and construction oversight. He has implemented remedial action work plans that include source zone excavation, dual phase extraction, soil vapor extraction, in situ chemical oxidation, and bio-augmentation. He has provided construction quality assurance (CQA) at landfill facilities and managed Brownfields redevelopment excavation and grading projects.

Mr. Overton's project experience is summarized below:

Housing Development Partners, Villa de Vida Contaminated Soil Excavation. Mr. Overton provided excavation oversight for contaminated soil that was deemed a hazardous waste and exported to a licensed facility under signed manifest.

Community Housing Works, Excavation Monitoring, San Diego, CA. Mr. Overton provided oversight for the excavation monitoring of lead-bearing soil placed below the footprint of a new LGBT senior-housing facility. Work was conducted under the oversight of the County of San Diego Department of Environmental Health (DEH), and consisted of the implementation of a Soil Management Plan.

Community Housing Works, Excavation Monitoring of Contaminated Soils, Vista, CA. Mr. Overton served as a soil technician for the excavation monitoring of gasoline-, diesel-, and motor oil-impacted soils that were removed prior to construction of a new subterranean parking structure. Approximately 2,000 cubic yards of soils were classified as hazardous and removed from the project site as a part of the mitigation.

Bank of Hawaii Information Systems and Communications Office (ISCO), Remediation, Chino Hills, CA. Mr. Overton performed remediation activities at a former retail fueling facility with four

USTs containing gasoline and diesel. He was directly involved in the implementation of a groundwater remediation system to inject hydrogen peroxide into the subsurface to remediate impacts from petroleum hydrocarbons (PHCs).

Iwashita Development, Phase II Subsurface Investigation, San Diego, CA. Mr. Overton managed the subsurface sampling for a former dry cleaning plant and former automobile fueling and service station before redevelopment.

Manchester Pacific Gateway, Soil Classification and Excavation Monitoring, San Diego, CA. Mr. Overton played an integral role in the assessment, consisting of oversight, segregation, and export of contaminated soils from a large former Navy complex for future property redeveloped with new commercial, business, and retail buildings.

Waste Management, Gas Collection System Installation for El Sobrante Landfill, Corona, CA. Mr. Overton served as the Project Coordinator for the installation of numerous gas collection wells at the El Sobrante Landfill. Installation included drilling and construction of wells up to 250 feet deep, which allowed for the collection of landfill gas (LFG).

Lowe's, Excavation Monitoring, San Diego, CA. Mr. Overton served as a soil technician for the excavation monitoring of contaminated soil below the footprint of a new building, including the removal of underground storage tanks (USTs). Work and tank removal were conducted under the oversight of the County of San Diego DEH, and consisted of Phase II ESAs and preparation and implementation of a Property Mitigation Plan.

Republic Services, Inc., Gas Monitoring Probe Installation for Sycamore Landfill, Santee, CA. Mr. Overton served as the Project Coordinator for the installation of six new perimeter monitoring probes at the Sycamore Landfill. Installation included drilling and construction of probes up to 470 feet deep, which allowed for the detection of migrating LFG.

Pacific Steel, Resource Conservation and Recovery Act (RCRA) Soil Shipping, San Diego, CA. Mr. Overton served as the point of contact for the removal and disposal of a hazardous waste soil stockpile. SCS monitored dust emissions and the loading and shipping of hazardous soil to ensure that safe handling practices were followed.

Excavation Monitoring of Contaminated Soils for SDG-Left Field and Cistera Building, San Diego, CA. Mr. Overton served as a soil technician for the excavation monitoring of lead-, diesel-, and gasoline-contaminated soils removed as a part of the new building's below-ground parking structure. Work was conducted under the oversight of the County of San Diego DEH, and consisted of Phase II ESAs and preparation and implementation of a Property Mitigation Plan.

Phase I and Phase II ESAs for Carlsbad Desalination Project, Carlsbad, CA. Mr. Overton completed several Phase I and Phase II ESAs for easements on many locations, including former agricultural lands. Locations included previous soil sampling conducted to determine the presence of pesticides, which were evaluated using the waste export criteria, based on pesticide concentrations found.

Republic Services, Inc., Stage 3B Cell Development for Sycamore Landfill, Santee, CA. Mr. Overton served as Project Manager for the construction of a new waste disposal cell at Sycamore Landfill. Construction included managing the excavation of soils, grading of the cell, identifying the correct location of the leachate collection system, and installation of a composite liner system. The construction of this disposal cell prolonged the life and increased capacity of the landfill by approximately 1 million cubic yards.

Stormwater Sampling for Lake San Marcos Study, San Marcos, CA. Mr. Overton was part of the SCS team investigating Lake San Marcos and San Marcos Creek, both listed as EPA Clean Water Act 303(d) Category 5 Impaired Water Bodies. He conducted stormwater sampling and provided insight on laboratory analysis.

RD Brown Company, Leaking Underground Storage Tank (LUST) Case Assessment and Remediation, City of Imperial, CA. As Project Manager, Mr. Overton participated in several on- and off-site soil, soil vapor, and groundwater assessments, and is currently involved with ongoing remediation and monitoring of a proposed senior living facility at a former gasoline service station.

ANALYTICAL DATA
AND CHAIN-OF-CUSTODY DOCUMENTATION

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

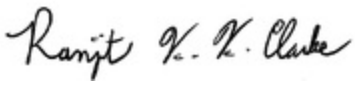
Lab Job Number: 470098
Report Level: II
Report Date: 10/13/2022

Analytical Report *prepared for:*

Jen Morton
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Location: Pemcor

Authorized for release by:



Ranjit K Clarke, Client Services Manager
(714) 771-9906
Ranjit.Clarke@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Jen Morton
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Lab Job #: 470098
Location: Pemcor
Date Received: 10/04/22

Sample ID	Lab ID	Collected	Matrix
B1	470098-001	10/03/22 08:36	Soil
B2	470098-002	10/03/22 08:43	Soil
B3	470098-003	10/03/22 08:51	Soil
B4	470098-004	10/03/22 08:58	Soil
B1-B4 COMPOSITE	470098-005	10/03/22 00:00	Soil
B5	470098-006	10/03/22 09:06	Soil
B6	470098-007	10/03/22 09:09	Soil
B7	470098-008	10/03/22 09:18	Soil
B8	470098-009	10/03/22 09:24	Soil
B5-B8 COMPOSITE	470098-010	10/03/22 00:00	Soil
B9	470098-011	10/03/22 09:36	Soil
B10	470098-012	10/03/22 09:41	Soil
B11	470098-013	10/03/22 09:55	Soil
B12	470098-014	10/03/22 10:06	Soil
B9-B12 COMPOSITE	470098-015	10/03/22 00:00	Soil
B13	470098-016	10/03/22 10:11	Soil
B14	470098-017	10/03/22 10:20	Soil
B15	470098-018	10/03/22 10:28	Soil
B16	470098-019	10/03/22 10:37	Soil
B13-B16 COMPOSITE	470098-020	10/03/22 00:00	Soil
B17	470098-021	10/03/22 10:50	Soil
B18	470098-022	10/03/22 10:58	Soil
B19	470098-023	10/03/22 11:09	Soil
B20	470098-024	10/03/22 11:24	Soil
B17-B20 COMPOSITE	470098-025	10/03/22 00:00	Soil
B21	470098-026	10/03/22 11:31	Soil

ENTHALPY ANALYTICAL

Sample Summary

Jen Morton
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Lab Job #: 470098
Location: Pemcor
Date Received: 10/04/22

Sample ID	Lab ID	Collected	Matrix
B22	470098-027	10/03/22 11:47	Soil
B23	470098-028	10/03/22 11:56	Soil
B24	470098-029	10/03/22 12:08	Soil
B21-B24 COMPOSITE	470098-030	10/03/22 00:00	Soil
B25	470098-031	10/03/22 12:19	Soil
B26	470098-032	10/03/22 12:31	Soil
B27	470098-033	10/03/22 12:36	Soil
B28	470098-034	10/03/22 12:47	Soil
B25-B28 COMPOSITE	470098-035	10/03/22 00:00	Soil
B31	470098-036	10/03/22 13:08	Soil
B32	470098-037	10/03/22 13:21	Soil
B29	470098-038	10/03/22 13:48	Soil
B30	470098-039	10/03/22 13:56	Soil
B29-B32 COMPOSITE	470098-040	10/03/22 00:00	Soil

ENTHALPY ANALYTICAL

Chain of Custody Record Lab No: 470098 Page: 1 of 4

Turn Around Time (rush by advanced notice only)

Standard:	✓	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

<<< Select a Laboratory >>>
#N/A
#N/A

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	SCS Engineers	Name:	Pemcor
Report To:	Jen Morton/Tyler Overton	Number:	01222081.01
Email:	~~jmorton@scsengineers.com~~ toverton@scsengineers.com	P.O. #:	01222081.01
Address:	8799 Balboa Ave. Ste. 290	Address:	33521 Zeiders Rd.
			Menifee, CA 92584
Phone:	858-571-5500	Global ID:	—
Fax:	—	Sampled By:	Tyler Overton

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	OCRs (EPA 8081A)	Title 22 (EPA 6010)	Fecal Coliform (9221E)	Test Instructions / Comments
1	B1	10/3/22	8:36	Soil	4oz glass jar	none	X	X	X	10.5/3.6
2	B2		8:43							composite
3	B3		8:51							
4	B4		8:58							
5	B5		9:06							
6	B6		9:09							composite
7	B7		9:18							
8	B8		9:24							
9	B9		9:36							composite with B11 : B12
10	B10		9:41							

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Tyler Overton	SCS Engineers	~~10/3/22~~ 10/4/22 1001
1 Received By:		~~Tyler~~ T. Nash	EA - SD	10/4/22 1001
2 Relinquished By:		T. Nash	EA - SD	10/4/22 1215
2 Received By:			EA	10-4-22 1220
3 Relinquished By:			EA	10-4-22 1640
3 Received By:		Elizabeth Ramirez	EA	10-4-22 16:40

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 470098

Page: 2 of 4

Turn Around Time (rush by advanced notice only)

Standard:	✓	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

<<< Select a Laboratory >>>

#N/A

#N/A

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	← same as pg 1-7	Name:	
Report To:		Number:	
Email:		P.O. #:	
Address:		Address:	
Phone:		Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	OCPs (EPA 8081A)	Title 22 (EPA 6010)	Fecal Coliform (9221E)	Test Instructions / Comments
1	B11	10/3/22	955	SO:1	4 ozglass jar	none	X	X	X	10.5 / 9.6
2	B12		1006							composite with B9 : B10
3	B13		1011							
4	B14		1020							composite
5	B15		1028							
6	B16		1037							
7	B17		1050							
8	B18		1058							composite
9	B19		1109							
10	B20		1124							

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		W Tyler Overton	SCS Engineers	10/4/22 1001
[1] Received By:		T. Nash	EA-SD	10/4/22 1001
[2] Relinquished By:		T. Nash	EA-SD	10/4/22 1215
[2] Received By:		NT CKG	EA	10-4-22 1223
[3] Relinquished By:		NT CKG	EA	10-4-22 1600
[3] Received By:		Elizabeth Ramirez	EA	10-4-22 16.40

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 470098

Page: 3 of 4

Turn Around Time (rush by advanced notice only)

Standard:	✓	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

<<< Select a Laboratory >>>

#N/A

#N/A

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	← same as pg. 1 →	Name:	
Report To:		Number:	
Email:		P.O. #:	
Address:		Address:	
Phone:		Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: OCPs (EPA 8081A)	Analysis Request: Title 22 (EPA 6010)	Analysis Request: Fecal Coliform (9221E)	Test Instructions / Comments
1	B 21	10/3/22	1131	Soil	402 glass jar	none	X	X	X	6 F / 3.6
2	B 22		1147							composite
3	B 23		1156							
4	B 24		1208							
5	B 25		1219							
6	B 26		1231							composite
7	B 27		1236							
8	B 28		1247							
9	~~B 29~~									
10	~~B 30~~									

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		N Tyler Overton	SCS Engineers	10/4/22 1001
[1] Received By:		T. NASH	EA-SD	10/4/22 1001
[2] Relinquished By:		T. NASH	EA-SD	10/4/22 1215
[2] Received By:				10-4-22 1520
[3] Relinquished By:				10-4-22 1640
[3] Received By:		Elizabeth Ramm	EA	10-4-22 16:40

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 470098

Page: 4 of 4

Turn Around Time (rush by advanced notice only)

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2 Day:		1 Day:		Custom TAT:	

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#N/A

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	← same as pg 1 →	Name:	
Report To:		Number:	
Email:		P.O. #:	
Address:		Address:	
Phone:		Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: OCPs (8081A)	Tune 22 (6010)	Total Coliform (9221E)	Test Instructions / Comments
1	B31	10/3/22	1308	Soil	4oz glass jar	none	X	X	X	10.5 3.6
2	B32	↓	1321	↓	↓	↓	↓	↓	↓	Composite
3	B29		1348							
4	B30		1356							
5										
6										
7										
8										
9										
10										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Whitney Overton	SCS Engineers	10/4/22 1001
1 Received By:		T. NASH	EA-SD	10/4/22 1001
2 Relinquished By:		T. NASH	EA-SD	10/4/22 1215
2 Received By:			EA	10-4-22 17:20
3 Relinquished By:			EA	10-4-22 1640
3 Received By:		Elizabeth Ramer	EA	10-4-22 16:40

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: SCS Engineers Project: Pemcor

Date Received: 10/4/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 10.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 3.6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____ ☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 10/4/22

ENTHALPY ANALYTICAL

Analysis Results for 470098

Jen Morton
SCS Engineers
8799 Balboa #290
San Diego, CA 92123

Lab Job #: 470098
Location: Pemcor
Date Received: 10/04/22

Sample ID: B1-B4 COMPOSITE **Lab ID: 470098-005** **Collected: 10/03/22**
Matrix: Soil

470098-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.98	298573	10/10/22	10/11/22	SBW
Arsenic	**1.6**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Barium	**99**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Beryllium	ND		mg/Kg	0.49	0.98	298573	10/10/22	10/11/22	SBW
Cadmium	ND		mg/Kg	0.49	0.98	298573	10/10/22	10/11/22	SBW
Chromium	**7.3**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Cobalt	**4.2**		mg/Kg	0.49	0.98	298573	10/10/22	10/11/22	SBW
Copper	**6.8**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Lead	**4.9**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Molybdenum	ND		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Nickel	**3.5**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Selenium	ND		mg/Kg	2.9	0.98	298573	10/10/22	10/11/22	SBW
Silver	ND		mg/Kg	0.49	0.98	298573	10/10/22	10/11/22	SBW
Thallium	ND		mg/Kg	2.9	0.98	298573	10/10/22	10/11/22	SBW
Vanadium	**37**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Zinc	**50**		mg/Kg	4.9	0.98	298573	10/10/22	10/11/22	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	298719	10/11/22	10/12/22	SBW
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW
beta-BHC	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW
gamma-BHC	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW
delta-BHC	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW
Heptachlor	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW
Aldrin	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW
Heptachlor epoxide	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW
Endosulfan I	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW
Dieldrin	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW
4,4'-DDE	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW
Endrin	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW
Endosulfan II	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW
Endosulfan sulfate	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW
4,4'-DDD	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 470098

470098-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Endrin aldehyde	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW
Endrin ketone	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW
4,4'-DDT	ND		ug/Kg	4.9	0.99	298548	10/10/22	10/11/22	TJW
Methoxychlor	ND		ug/Kg	9.9	0.99	298548	10/10/22	10/11/22	TJW
Toxaphene	ND		ug/Kg	99	0.99	298548	10/10/22	10/11/22	TJW
Chlordane (Technical)	ND		ug/Kg	49	0.99	298548	10/10/22	10/11/22	TJW
Surrogates				**Limits**					
TCMX	50%		%REC	23-120	0.99	298548	10/10/22	10/11/22	TJW
Decachlorobiphenyl	35%		%REC	24-120	0.99	298548	10/10/22	10/11/22	TJW
Method: SM 9221E Prep Method: METHOD									
Fecal Coliform	<0.18	H	MPN/g	0.18	1	298365	10/05/22 11:52	10/07/22 12:39	PAS

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 470098

Sample ID: B5-B8 COMPOSITE	Lab ID: 470098-010	Collected: 10/03/22
	Matrix: Soil	

470098-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.98	298573	10/10/22	10/11/22	SBW
Arsenic	**1.8**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Barium	**92**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Beryllium	ND		mg/Kg	0.49	0.98	298573	10/10/22	10/11/22	SBW
Cadmium	ND		mg/Kg	0.49	0.98	298573	10/10/22	10/11/22	SBW
Chromium	**11**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Cobalt	**5.9**		mg/Kg	0.49	0.98	298573	10/10/22	10/11/22	SBW
Copper	**8.9**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Lead	**5.0**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Molybdenum	ND		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Nickel	**4.3**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Selenium	ND		mg/Kg	2.9	0.98	298573	10/10/22	10/11/22	SBW
Silver	ND		mg/Kg	0.49	0.98	298573	10/10/22	10/11/22	SBW
Thallium	ND		mg/Kg	2.9	0.98	298573	10/10/22	10/11/22	SBW
Vanadium	**62**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Zinc	**47**		mg/Kg	4.9	0.98	298573	10/10/22	10/11/22	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.16	1.2	298719	10/11/22	10/12/22	SBW
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
beta-BHC	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
gamma-BHC	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
delta-BHC	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Heptachlor	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Aldrin	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endosulfan I	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Dieldrin	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
4,4'-DDE	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endrin	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endosulfan II	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
4,4'-DDD	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endrin aldehyde	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endrin ketone	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
4,4'-DDT	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Methoxychlor	ND		ug/Kg	9.9	0.99	298548	10/10/22	10/11/22	TJW
Toxaphene	ND		ug/Kg	99	0.99	298548	10/10/22	10/11/22	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 470098

470098-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	0.99	298548	10/10/22	10/11/22	TJW
Surrogates				**Limits**					
TCMX	52%		%REC	23-120	0.99	298548	10/10/22	10/11/22	TJW
Decachlorobiphenyl	44%		%REC	24-120	0.99	298548	10/10/22	10/11/22	TJW
Method: SM 9221E Prep Method: METHOD									
Fecal Coliform	<0.18	H	MPN/g	0.18	1	298365	10/05/22 11:52	10/07/22 12:39	PAS

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 470098

Sample ID: B9-B12 COMPOSITE	Lab ID: 470098-015	Collected: 10/03/22
	Matrix: Soil	

470098-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.96	298573	10/10/22	10/11/22	SBW
Arsenic	**1.6**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Barium	**80**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Beryllium	ND		mg/Kg	0.48	0.96	298573	10/10/22	10/11/22	SBW
Cadmium	ND		mg/Kg	0.48	0.96	298573	10/10/22	10/11/22	SBW
Chromium	**16**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Cobalt	**9.2**		mg/Kg	0.48	0.96	298573	10/10/22	10/11/22	SBW
Copper	**17**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Lead	**6.3**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Molybdenum	ND		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Nickel	**5.8**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Selenium	ND		mg/Kg	2.9	0.96	298573	10/10/22	10/11/22	SBW
Silver	ND		mg/Kg	0.48	0.96	298573	10/10/22	10/11/22	SBW
Thallium	ND		mg/Kg	2.9	0.96	298573	10/10/22	10/11/22	SBW
Vanadium	**84**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Zinc	**62**		mg/Kg	4.8	0.96	298573	10/10/22	10/11/22	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	298719	10/11/22	10/12/22	SBW
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
beta-BHC	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
gamma-BHC	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
delta-BHC	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Heptachlor	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Aldrin	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endosulfan I	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Dieldrin	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
4,4'-DDE	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endrin	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endosulfan II	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
4,4'-DDD	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endrin aldehyde	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endrin ketone	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
4,4'-DDT	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Methoxychlor	ND		ug/Kg	10	1	298548	10/10/22	10/11/22	TJW
Toxaphene	ND		ug/Kg	100	1	298548	10/10/22	10/11/22	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 470098

470098-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	1	298548	10/10/22	10/11/22	TJW
Surrogates				**Limits**					
TCMX	52%		%REC	23-120	1	298548	10/10/22	10/11/22	TJW
Decachlorobiphenyl	37%		%REC	24-120	1	298548	10/10/22	10/11/22	TJW
Method: SM 9221E Prep Method: METHOD									
Fecal Coliform	**0.68**	H	MPN/g	0.18	1	298365	10/05/22 11:52	10/08/22 12:47	PAS

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 470098

Sample ID: B13-B16 COMPOSITE	Lab ID: 470098-020	Collected: 10/03/22
	Matrix: Soil	

470098-020 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.95	298573	10/10/22	10/11/22	SBW
Arsenic	**0.98**		mg/Kg	0.95	0.95	298573	10/10/22	10/12/22	SBW
Barium	**69**		mg/Kg	0.95	0.95	298573	10/10/22	10/11/22	SBW
Beryllium	ND		mg/Kg	0.48	0.95	298573	10/10/22	10/11/22	SBW
Cadmium	ND		mg/Kg	0.48	0.95	298573	10/10/22	10/11/22	SBW
Chromium	**9.9**		mg/Kg	0.95	0.95	298573	10/10/22	10/11/22	SBW
Cobalt	**6.7**		mg/Kg	0.48	0.95	298573	10/10/22	10/11/22	SBW
Copper	**9.7**		mg/Kg	0.95	0.95	298573	10/10/22	10/11/22	SBW
Lead	**4.1**		mg/Kg	0.95	0.95	298573	10/10/22	10/11/22	SBW
Molybdenum	ND		mg/Kg	0.95	0.95	298573	10/10/22	10/11/22	SBW
Nickel	**2.7**		mg/Kg	0.95	0.95	298573	10/10/22	10/11/22	SBW
Selenium	ND		mg/Kg	2.9	0.95	298573	10/10/22	10/11/22	SBW
Silver	ND		mg/Kg	0.48	0.95	298573	10/10/22	10/11/22	SBW
Thallium	ND		mg/Kg	2.9	0.95	298573	10/10/22	10/11/22	SBW
Vanadium	**81**		mg/Kg	0.95	0.95	298573	10/10/22	10/11/22	SBW
Zinc	**41**		mg/Kg	4.8	0.95	298573	10/10/22	10/11/22	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	298719	10/11/22	10/12/22	SBW
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
beta-BHC	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
gamma-BHC	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
delta-BHC	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Heptachlor	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Aldrin	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endosulfan I	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Dieldrin	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
4,4'-DDE	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endrin	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endosulfan II	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
4,4'-DDD	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endrin aldehyde	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endrin ketone	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
4,4'-DDT	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Methoxychlor	ND		ug/Kg	10	1	298548	10/10/22	10/11/22	TJW
Toxaphene	ND		ug/Kg	100	1	298548	10/10/22	10/11/22	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 470098

470098-020 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	1	298548	10/10/22	10/11/22	TJW
Surrogates				**Limits**					
TCMX	58%		%REC	23-120	1	298548	10/10/22	10/11/22	TJW
Decachlorobiphenyl	52%		%REC	24-120	1	298548	10/10/22	10/11/22	TJW
Method: SM 9221E Prep Method: METHOD									
Fecal Coliform	<0.18	H	MPN/g	0.18	1	298365	10/05/22 11:52	10/08/22 12:47	PAS

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 470098

Sample ID: B17-B20 COMPOSITE	Lab ID: 470098-025	Collected: 10/03/22
	Matrix: Soil	

470098-025 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.96	298573	10/10/22	10/11/22	SBW
Arsenic	**1.3**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Barium	**75**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Beryllium	ND		mg/Kg	0.48	0.96	298573	10/10/22	10/11/22	SBW
Cadmium	ND		mg/Kg	0.48	0.96	298573	10/10/22	10/11/22	SBW
Chromium	**11**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Cobalt	**7.4**		mg/Kg	0.48	0.96	298573	10/10/22	10/11/22	SBW
Copper	**10**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Lead	**4.1**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Molybdenum	ND		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Nickel	**3.7**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Selenium	ND		mg/Kg	2.9	0.96	298573	10/10/22	10/11/22	SBW
Silver	ND		mg/Kg	0.48	0.96	298573	10/10/22	10/11/22	SBW
Thallium	ND		mg/Kg	2.9	0.96	298573	10/10/22	10/11/22	SBW
Vanadium	**77**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Zinc	**39**		mg/Kg	4.8	0.96	298573	10/10/22	10/11/22	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	298719	10/11/22	10/12/22	SBW
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
beta-BHC	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
gamma-BHC	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
delta-BHC	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Heptachlor	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Aldrin	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endosulfan I	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Dieldrin	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
4,4'-DDE	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endrin	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endosulfan II	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
4,4'-DDD	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endrin aldehyde	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endrin ketone	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
4,4'-DDT	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Methoxychlor	ND		ug/Kg	9.9	0.99	298548	10/10/22	10/11/22	TJW
Toxaphene	ND		ug/Kg	99	0.99	298548	10/10/22	10/11/22	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 470098

470098-025 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	0.99	298548	10/10/22	10/11/22	TJW
Surrogates				**Limits**					
TCMX	49%		%REC	23-120	0.99	298548	10/10/22	10/11/22	TJW
Decachlorobiphenyl	39%		%REC	24-120	0.99	298548	10/10/22	10/11/22	TJW
Method: SM 9221E Prep Method: METHOD									
Fecal Coliform	<0.18	H	MPN/g	0.18	1	298365	10/05/22 11:52	10/07/22 12:39	PAS

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 470098

Sample ID: B21-B24 COMPOSITE	Lab ID: 470098-030	Collected: 10/03/22
	Matrix: Soil	

470098-030 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.98	298573	10/10/22	10/11/22	SBW
Arsenic	ND		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Barium	**49**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Beryllium	ND		mg/Kg	0.49	0.98	298573	10/10/22	10/11/22	SBW
Cadmium	ND		mg/Kg	0.49	0.98	298573	10/10/22	10/11/22	SBW
Chromium	**8.0**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Cobalt	**4.0**		mg/Kg	0.49	0.98	298573	10/10/22	10/11/22	SBW
Copper	**5.7**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Lead	**2.2**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Molybdenum	ND		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Nickel	**1.3**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Selenium	ND		mg/Kg	2.9	0.98	298573	10/10/22	10/11/22	SBW
Silver	ND		mg/Kg	0.49	0.98	298573	10/10/22	10/11/22	SBW
Thallium	ND		mg/Kg	2.9	0.98	298573	10/10/22	10/11/22	SBW
Vanadium	**72**		mg/Kg	0.98	0.98	298573	10/10/22	10/11/22	SBW
Zinc	**35**		mg/Kg	4.9	0.98	298573	10/10/22	10/11/22	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	298719	10/11/22	10/12/22	SBW
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
beta-BHC	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
gamma-BHC	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
delta-BHC	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Heptachlor	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Aldrin	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endosulfan I	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Dieldrin	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
4,4'-DDE	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endrin	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endosulfan II	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
4,4'-DDD	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endrin aldehyde	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Endrin ketone	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
4,4'-DDT	ND		ug/Kg	5.0	0.99	298548	10/10/22	10/11/22	TJW
Methoxychlor	ND		ug/Kg	9.9	0.99	298548	10/10/22	10/11/22	TJW
Toxaphene	ND		ug/Kg	99	0.99	298548	10/10/22	10/11/22	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 470098

470098-030 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	0.99	298548	10/10/22	10/11/22	TJW
Surrogates				**Limits**					
TCMX	38%		%REC	23-120	0.99	298548	10/10/22	10/11/22	TJW
Decachlorobiphenyl	24%		%REC	24-120	0.99	298548	10/10/22	10/11/22	TJW
Method: SM 9221E Prep Method: METHOD									
Fecal Coliform	<0.18	H	MPN/g	0.18	1	298365	10/05/22 11:52	10/08/22 12:47	PAS

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 470098

Sample ID: B25-B28 COMPOSITE	Lab ID: 470098-035	Collected: 10/03/22
	Matrix: Soil	

470098-035 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.96	298573	10/10/22	10/11/22	SBW
Arsenic	**1.3**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Barium	**83**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Beryllium	ND		mg/Kg	0.48	0.96	298573	10/10/22	10/11/22	SBW
Cadmium	ND		mg/Kg	0.48	0.96	298573	10/10/22	10/11/22	SBW
Chromium	**11**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Cobalt	**8.1**		mg/Kg	0.48	0.96	298573	10/10/22	10/11/22	SBW
Copper	**12**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Lead	**3.7**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Molybdenum	ND		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Nickel	**3.4**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Selenium	ND		mg/Kg	2.9	0.96	298573	10/10/22	10/11/22	SBW
Silver	ND		mg/Kg	0.48	0.96	298573	10/10/22	10/11/22	SBW
Thallium	ND		mg/Kg	2.9	0.96	298573	10/10/22	10/11/22	SBW
Vanadium	**84**		mg/Kg	0.96	0.96	298573	10/10/22	10/11/22	SBW
Zinc	**47**		mg/Kg	4.8	0.96	298573	10/10/22	10/11/22	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.14	1	298719	10/11/22	10/12/22	SBW
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
beta-BHC	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
gamma-BHC	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
delta-BHC	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Heptachlor	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Aldrin	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endosulfan I	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Dieldrin	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
4,4'-DDE	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endrin	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endosulfan II	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
4,4'-DDD	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endrin aldehyde	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endrin ketone	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
4,4'-DDT	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Methoxychlor	ND		ug/Kg	10	1	298548	10/10/22	10/11/22	TJW
Toxaphene	ND		ug/Kg	100	1	298548	10/10/22	10/11/22	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 470098

470098-035 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	1	298548	10/10/22	10/11/22	TJW
Surrogates				**Limits**					
TCMX	52%		%REC	23-120	1	298548	10/10/22	10/11/22	TJW
Decachlorobiphenyl	35%		%REC	24-120	1	298548	10/10/22	10/11/22	TJW
Method: SM 9221E Prep Method: METHOD									
Fecal Coliform	<0.18	H	MPN/g	0.18	1	298365	10/05/22 11:52	10/08/22 12:47	PAS

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 470098

Sample ID: B29-B32 COMPOSITE	Lab ID: 470098-040	Collected: 10/03/22
	Matrix: Soil	

470098-040 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.9	0.97	298567	10/10/22	10/11/22	SBW
Arsenic	**1.1**		mg/Kg	0.97	0.97	298567	10/10/22	10/11/22	SBW
Barium	**90**		mg/Kg	0.97	0.97	298567	10/10/22	10/11/22	SBW
Beryllium	ND		mg/Kg	0.49	0.97	298567	10/10/22	10/11/22	SBW
Cadmium	ND		mg/Kg	0.49	0.97	298567	10/10/22	10/11/22	SBW
Chromium	**19**		mg/Kg	0.97	0.97	298567	10/10/22	10/11/22	SBW
Cobalt	**12**		mg/Kg	0.49	0.97	298567	10/10/22	10/11/22	SBW
Copper	**15**		mg/Kg	0.97	0.97	298567	10/10/22	10/11/22	SBW
Lead	**3.2**		mg/Kg	0.97	0.97	298567	10/10/22	10/11/22	SBW
Molybdenum	ND		mg/Kg	0.97	0.97	298567	10/10/22	10/11/22	SBW
Nickel	**4.2**		mg/Kg	0.97	0.97	298567	10/10/22	10/11/22	SBW
Selenium	ND		mg/Kg	2.9	0.97	298567	10/10/22	10/11/22	SBW
Silver	ND		mg/Kg	0.49	0.97	298567	10/10/22	10/11/22	SBW
Thallium	ND		mg/Kg	2.9	0.97	298567	10/10/22	10/11/22	SBW
Vanadium	**91**		mg/Kg	0.97	0.97	298567	10/10/22	10/11/22	SBW
Zinc	**38**		mg/Kg	4.9	0.97	298567	10/10/22	10/11/22	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.15	1.1	298719	10/11/22	10/12/22	SBW
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
beta-BHC	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
gamma-BHC	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
delta-BHC	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Heptachlor	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Aldrin	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Heptachlor epoxide	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endosulfan I	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Dieldrin	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
4,4'-DDE	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endrin	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endosulfan II	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endosulfan sulfate	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
4,4'-DDD	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endrin aldehyde	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Endrin ketone	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
4,4'-DDT	ND		ug/Kg	5.0	1	298548	10/10/22	10/11/22	TJW
Methoxychlor	ND		ug/Kg	10	1	298548	10/10/22	10/11/22	TJW
Toxaphene	ND		ug/Kg	100	1	298548	10/10/22	10/11/22	TJW

Results for any subcontracted analyses are not included in this section.

Analysis Results for 470098

470098-040 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	1	298548	10/10/22	10/11/22	TJW
Surrogates				**Limits**					
TCMX	51%		%REC	23-120	1	298548	10/10/22	10/11/22	TJW
Decachlorobiphenyl	43%		%REC	24-120	1	298548	10/10/22	10/11/22	TJW
Method: SM 9221E Prep Method: METHOD									
Fecal Coliform	<0.18	H	MPN/g	0.18	1	298365	10/05/22 11:52	10/08/22 12:47	PAS

< Value is less than indicated concentration
H Holding time was exceeded
ND Not Detected

Results for any subcontracted analyses are not included in this section.

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Batch QC

Type: Blank	**Lab ID: QC1017820**	**Batch: 298567**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC1017820 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	10/10/22	10/11/22
Arsenic	ND		mg/Kg	1.0	10/10/22	10/11/22
Barium	ND		mg/Kg	1.0	10/10/22	10/11/22
Beryllium	ND		mg/Kg	0.50	10/10/22	10/11/22
Cadmium	ND		mg/Kg	0.50	10/10/22	10/11/22
Chromium	ND		mg/Kg	1.0	10/10/22	10/11/22
Cobalt	ND		mg/Kg	0.50	10/10/22	10/11/22
Copper	ND		mg/Kg	1.0	10/10/22	10/11/22
Lead	ND		mg/Kg	1.0	10/10/22	10/11/22
Molybdenum	ND		mg/Kg	1.0	10/10/22	10/11/22
Nickel	ND		mg/Kg	1.0	10/10/22	10/11/22
Selenium	ND		mg/Kg	3.0	10/10/22	10/11/22
Silver	ND		mg/Kg	0.50	10/10/22	10/11/22
Thallium	ND		mg/Kg	3.0	10/10/22	10/11/22
Vanadium	ND		mg/Kg	1.0	10/10/22	10/11/22
Zinc	ND		mg/Kg	5.0	10/10/22	10/11/22

Type: Lab Control Sample	**Lab ID: QC1017821**	**Batch: 298567**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC1017821 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	95.65	100.0	mg/Kg	96%		80-120
Arsenic	99.48	100.0	mg/Kg	99%		80-120
Barium	102.4	100.0	mg/Kg	102%		80-120
Beryllium	105.1	100.0	mg/Kg	105%		80-120
Cadmium	98.56	100.0	mg/Kg	99%		80-120
Chromium	102.3	100.0	mg/Kg	102%		80-120
Cobalt	107.0	100.0	mg/Kg	107%		80-120
Copper	102.0	100.0	mg/Kg	102%		80-120
Lead	103.4	100.0	mg/Kg	103%		80-120
Molybdenum	102.6	100.0	mg/Kg	103%		80-120
Nickel	103.1	100.0	mg/Kg	103%		80-120
Selenium	86.74	100.0	mg/Kg	87%		80-120
Silver	47.50	50.00	mg/Kg	95%		80-120
Thallium	104.3	100.0	mg/Kg	104%		80-120
Vanadium	102.9	100.0	mg/Kg	103%		80-120
Zinc	101.4	100.0	mg/Kg	101%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1017822	Batch:	298567
Matrix (Source ID):	Soil (470175-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1017822 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	35.73	1.366	96.15	mg/Kg	36%	*	75-125	0.96
Arsenic	100.9	3.828	96.15	mg/Kg	101%		75-125	0.96
Barium	165.8	84.87	96.15	mg/Kg	84%		75-125	0.96
Beryllium	101.5	0.2106	96.15	mg/Kg	105%		75-125	0.96
Cadmium	95.25	ND	96.15	mg/Kg	99%		75-125	0.96
Chromium	118.2	23.01	96.15	mg/Kg	99%		75-125	0.96
Cobalt	105.2	9.025	96.15	mg/Kg	100%		75-125	0.96
Copper	118.4	18.38	96.15	mg/Kg	104%		75-125	0.96
Lead	119.3	14.02	96.15	mg/Kg	109%		75-125	0.96
Molybdenum	96.62	0.2512	96.15	mg/Kg	100%		75-125	0.96
Nickel	108.0	15.92	96.15	mg/Kg	96%		75-125	0.96
Selenium	85.37	ND	96.15	mg/Kg	89%		75-125	0.96
Silver	45.87	ND	48.08	mg/Kg	95%		75-125	0.96
Thallium	95.58	1.147	96.15	mg/Kg	98%		75-125	0.96
Vanadium	142.3	43.26	96.15	mg/Kg	103%		75-125	0.96
Zinc	145.7	53.06	96.15	mg/Kg	96%		75-125	0.96

Type:	Matrix Spike Duplicate	Lab ID:	QC1017823	Batch:	298567
Matrix (Source ID):	Soil (470175-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1017823 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	34.70	1.366	96.15	mg/Kg	35%	*	75-125	3	41	0.96
Arsenic	100.3	3.828	96.15	mg/Kg	100%		75-125	1	35	0.96
Barium	168.1	84.87	96.15	mg/Kg	87%		75-125	1	20	0.96
Beryllium	99.75	0.2106	96.15	mg/Kg	104%		75-125	2	20	0.96
Cadmium	94.17	ND	96.15	mg/Kg	98%		75-125	1	20	0.96
Chromium	118.2	23.01	96.15	mg/Kg	99%		75-125	0	20	0.96
Cobalt	104.3	9.025	96.15	mg/Kg	99%		75-125	1	20	0.96
Copper	117.8	18.38	96.15	mg/Kg	103%		75-125	1	20	0.96
Lead	123.4	14.02	96.15	mg/Kg	114%		75-125	3	20	0.96
Molybdenum	96.47	0.2512	96.15	mg/Kg	100%		75-125	0	20	0.96
Nickel	107.4	15.92	96.15	mg/Kg	95%		75-125	1	20	0.96
Selenium	84.26	ND	96.15	mg/Kg	88%		75-125	1	20	0.96
Silver	45.32	ND	48.08	mg/Kg	94%		75-125	1	20	0.96
Thallium	94.37	1.147	96.15	mg/Kg	97%		75-125	1	20	0.96
Vanadium	143.1	43.26	96.15	mg/Kg	104%		75-125	1	20	0.96
Zinc	146.8	53.06	96.15	mg/Kg	98%		75-125	1	20	0.96

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1017849**	**Batch: 298573**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC1017849 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	10/10/22	10/11/22
Arsenic	ND		mg/Kg	1.0	10/10/22	10/11/22
Barium	ND		mg/Kg	1.0	10/10/22	10/11/22
Beryllium	ND		mg/Kg	0.50	10/10/22	10/11/22
Cadmium	ND		mg/Kg	0.50	10/10/22	10/11/22
Chromium	ND		mg/Kg	1.0	10/10/22	10/11/22
Cobalt	ND		mg/Kg	0.50	10/10/22	10/11/22
Copper	ND		mg/Kg	1.0	10/10/22	10/11/22
Lead	ND		mg/Kg	1.0	10/10/22	10/11/22
Molybdenum	ND		mg/Kg	1.0	10/10/22	10/11/22
Nickel	ND		mg/Kg	1.0	10/10/22	10/11/22
Selenium	ND		mg/Kg	3.0	10/10/22	10/11/22
Silver	ND		mg/Kg	0.50	10/10/22	10/11/22
Thallium	ND		mg/Kg	3.0	10/10/22	10/11/22
Vanadium	ND		mg/Kg	1.0	10/10/22	10/11/22
Zinc	ND		mg/Kg	5.0	10/10/22	10/11/22

Type: Lab Control Sample	**Lab ID: QC1017850**	**Batch: 298573**
Matrix: Soil	**Method: EPA 6010B**	**Prep Method: EPA 3050B**

QC1017850 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	100.9	100.0	mg/Kg	101%		80-120
Arsenic	105.9	100.0	mg/Kg	106%		80-120
Barium	108.6	100.0	mg/Kg	109%		80-120
Beryllium	105.2	100.0	mg/Kg	105%		80-120
Cadmium	104.1	100.0	mg/Kg	104%		80-120
Chromium	108.1	100.0	mg/Kg	108%		80-120
Cobalt	113.6	100.0	mg/Kg	114%		80-120
Copper	103.3	100.0	mg/Kg	103%		80-120
Lead	110.2	100.0	mg/Kg	110%		80-120
Molybdenum	107.9	100.0	mg/Kg	108%		80-120
Nickel	109.7	100.0	mg/Kg	110%		80-120
Selenium	92.83	100.0	mg/Kg	93%		80-120
Silver	48.69	50.00	mg/Kg	97%		80-120
Thallium	110.1	100.0	mg/Kg	110%		80-120
Vanadium	104.6	100.0	mg/Kg	105%		80-120
Zinc	109.8	100.0	mg/Kg	110%		80-120

ENTHALPY ANALYTICAL

Batch QC

Type:	Matrix Spike	Lab ID:	QC1017851	Batch:	298573
Matrix (Source ID):	Soil (470226-003)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1017851 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	34.70	0.7640	97.09	mg/Kg	35%	*	75-125	0.97
Arsenic	105.8	4.954	97.09	mg/Kg	104%		75-125	0.97
Barium	210.5	99.31	97.09	mg/Kg	115%		75-125	0.97
Beryllium	100.8	ND	97.09	mg/Kg	104%		75-125	0.97
Cadmium	97.23	0.5946	97.09	mg/Kg	100%		75-125	0.97
Chromium	123.3	21.93	97.09	mg/Kg	104%		75-125	0.97
Cobalt	102.4	4.989	97.09	mg/Kg	100%		75-125	0.97
Copper	113.1	13.66	97.09	mg/Kg	102%		75-125	0.97
Lead	108.5	12.59	97.09	mg/Kg	99%		75-125	0.97
Molybdenum	98.18	2.075	97.09	mg/Kg	99%		75-125	0.97
Nickel	109.8	15.69	97.09	mg/Kg	97%		75-125	0.97
Selenium	88.22	ND	97.09	mg/Kg	91%		75-125	0.97
Silver	46.23	ND	48.54	mg/Kg	95%		75-125	0.97
Thallium	94.41	0.6199	97.09	mg/Kg	97%		75-125	0.97
Vanadium	147.9	36.31	97.09	mg/Kg	115%		75-125	0.97
Zinc	142.7	43.96	97.09	mg/Kg	102%		75-125	0.97

Type:	Matrix Spike Duplicate	Lab ID:	QC1017852	Batch:	298573
Matrix (Source ID):	Soil (470226-003)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1017852 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	35.05	0.7640	97.09	mg/Kg	35%	*	75-125	1	41	0.97
Arsenic	100.2	4.954	97.09	mg/Kg	98%		75-125	5	35	0.97
Barium	199.9	99.31	97.09	mg/Kg	104%		75-125	5	20	0.97
Beryllium	95.51	ND	97.09	mg/Kg	98%		75-125	5	20	0.97
Cadmium	92.27	0.5946	97.09	mg/Kg	94%		75-125	5	20	0.97
Chromium	116.4	21.93	97.09	mg/Kg	97%		75-125	6	20	0.97
Cobalt	97.27	4.989	97.09	mg/Kg	95%		75-125	5	20	0.97
Copper	107.8	13.66	97.09	mg/Kg	97%		75-125	5	20	0.97
Lead	102.5	12.59	97.09	mg/Kg	93%		75-125	6	20	0.97
Molybdenum	93.90	2.075	97.09	mg/Kg	95%		75-125	4	20	0.97
Nickel	104.4	15.69	97.09	mg/Kg	91%		75-125	5	20	0.97
Selenium	83.97	ND	97.09	mg/Kg	86%		75-125	5	20	0.97
Silver	44.25	ND	48.54	mg/Kg	91%		75-125	4	20	0.97
Thallium	91.02	0.6199	97.09	mg/Kg	93%		75-125	4	20	0.97
Vanadium	139.7	36.31	97.09	mg/Kg	107%		75-125	6	20	0.97
Zinc	134.5	43.96	97.09	mg/Kg	93%		75-125	6	20	0.97

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID:** QC1018309	**Batch:** 298719
Matrix: Soil	**Method:** EPA 7471A	**Prep Method:** METHOD

QC1018309 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	10/11/22	10/12/22

Type: Lab Control Sample	**Lab ID:** QC1018310	**Batch:** 298719
Matrix: Soil	**Method:** EPA 7471A	**Prep Method:** METHOD

QC1018310 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8588	0.8333	mg/Kg	103%		80-120

Type: Matrix Spike	**Lab ID:** QC1018311	**Batch:** 298719
Matrix (Source ID): Soil (470098-005)	**Method:** EPA 7471A	**Prep Method:** METHOD

QC1018311 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8347	ND	0.8475	mg/Kg	98%		75-125	1

Type: Matrix Spike Duplicate	**Lab ID:** QC1018312	**Batch:** 298719
Matrix (Source ID): Soil (470098-005)	**Method:** EPA 7471A	**Prep Method:** METHOD

QC1018312 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8599	ND	0.8475	mg/Kg	101%		75-125	3	20	1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC1017750**	**Batch: 298548**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1017750 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
alpha-BHC	ND		ug/Kg	5.0	10/10/22	10/11/22
beta-BHC	ND		ug/Kg	5.0	10/10/22	10/11/22
gamma-BHC	ND		ug/Kg	5.0	10/10/22	10/11/22
delta-BHC	ND		ug/Kg	5.0	10/10/22	10/11/22
Heptachlor	ND		ug/Kg	5.0	10/10/22	10/11/22
Aldrin	ND		ug/Kg	5.0	10/10/22	10/11/22
Heptachlor epoxide	ND		ug/Kg	5.0	10/10/22	10/11/22
Endosulfan I	ND		ug/Kg	5.0	10/10/22	10/11/22
Dieldrin	ND		ug/Kg	5.0	10/10/22	10/11/22
4,4'-DDE	ND		ug/Kg	5.0	10/10/22	10/11/22
Endrin	ND		ug/Kg	5.0	10/10/22	10/11/22
Endosulfan II	ND		ug/Kg	5.0	10/10/22	10/11/22
Endosulfan sulfate	ND		ug/Kg	5.0	10/10/22	10/11/22
4,4'-DDD	ND		ug/Kg	5.0	10/10/22	10/11/22
Endrin aldehyde	ND		ug/Kg	5.0	10/10/22	10/11/22
Endrin ketone	ND		ug/Kg	5.0	10/10/22	10/11/22
4,4'-DDT	ND		ug/Kg	5.0	10/10/22	10/11/22
Methoxychlor	ND		ug/Kg	10	10/10/22	10/11/22
Toxaphene	ND		ug/Kg	100	10/10/22	10/11/22
Chlordane (Technical)	ND		ug/Kg	50	10/10/22	10/11/22
Surrogates				**Limits**		
TCMX	42%		%REC	23-120	10/10/22	10/11/22
Decachlorobiphenyl	35%		%REC	24-120	10/10/22	10/11/22

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC1017751**	**Batch: 298548**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC1017751 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	26.03	49.70	ug/Kg	52%		22-129
beta-BHC	27.82	49.70	ug/Kg	56%		28-125
gamma-BHC	25.97	49.70	ug/Kg	52%		22-128
delta-BHC	26.35	49.70	ug/Kg	53%		24-131
Heptachlor	29.17	49.70	ug/Kg	59%		18-124
Aldrin	24.31	49.70	ug/Kg	49%		23-120
Heptachlor epoxide	27.19	49.70	ug/Kg	55%		26-120
Endosulfan I	29.27	49.70	ug/Kg	59%		25-126
Dieldrin	26.86	49.70	ug/Kg	54%		23-124
4,4'-DDE	27.83	49.70	ug/Kg	56%		28-121
Endrin	30.98	49.70	ug/Kg	62%		25-127
Endosulfan II	26.59	49.70	ug/Kg	54%		29-121
Endosulfan sulfate	26.38	49.70	ug/Kg	53%		30-121
4,4'-DDD	25.82	49.70	ug/Kg	52%		26-120
Endrin aldehyde	16.33	49.70	ug/Kg	33%		10-120
Endrin ketone	23.07	49.70	ug/Kg	46%		28-125
4,4'-DDT	29.76	49.70	ug/Kg	60%		22-125
Methoxychlor	29.71	49.70	ug/Kg	60%		28-130
Surrogates						
TCMX	21.89	49.70	ug/Kg	44%		23-120
Decachlorobiphenyl	21.25	49.70	ug/Kg	43%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC1018551**	**Batch:**	**298548**
Matrix (Source ID):	**Soil (470727-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1018551 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	42.68	ND	49.36	ug/Kg	86%		46-120	9.9
beta-BHC	45.99	ND	49.36	ug/Kg	93%		41-120	9.9
gamma-BHC	42.16	ND	49.36	ug/Kg	85%		41-120	9.9
delta-BHC	36.48	ND	49.36	ug/Kg	74%		38-123	9.9
Heptachlor	44.94	ND	49.36	ug/Kg	91%		39-120	9.9
Aldrin	36.15	ND	49.36	ug/Kg	73%		34-120	9.9
Heptachlor epoxide	227.5	ND	49.36	ug/Kg	461%	*	43-120	9.9
Endosulfan I	71.99	ND	49.36	ug/Kg	146%	*	45-120	9.9
Dieldrin	139.3	ND	49.36	ug/Kg	282%	*	45-120	9.9
4,4'-DDE	374.1	ND	49.36	ug/Kg	758%	*	34-120	9.9
Endrin	252.3	ND	49.36	ug/Kg	511%	*	40-120	9.9
Endosulfan II	486.3	ND	49.36	ug/Kg	985%	*	41-120	9.9
Endosulfan sulfate	68.14	ND	49.36	ug/Kg	138%	*	42-120	9.9
4,4'-DDD	811.9	ND	49.36	ug/Kg	1645%	*	41-120	9.9
Endrin aldehyde	121.1	ND	49.36	ug/Kg	245%	*	30-120	9.9
Endrin ketone	16.95	ND	49.36	ug/Kg	34%	#,*	45-120	9.9
4,4'-DDT	1,778	ND	49.36	ug/Kg	3603%	*	35-127	9.9
Methoxychlor	53.96	ND	49.36	ug/Kg		DO	42-136	9.9
Surrogates								
TCMX	39.50		49.36	ug/Kg		DO	23-120	9.9
Decachlorobiphenyl	-16.05		49.36	ug/Kg		DO	24-120	9.9

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1018552**	**Batch:**	**298548**
Matrix (Source ID):	**Soil (470727-001)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC1018552 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	38.15	ND	49.90	ug/Kg	76%		46-120	12	30	10
beta-BHC	38.89	ND	49.90	ug/Kg	78%		41-120	18	30	10
gamma-BHC	37.12	ND	49.90	ug/Kg	74%		41-120	14	30	10
delta-BHC	31.16	ND	49.90	ug/Kg		DO	38-123		30	10
Heptachlor	40.53	ND	49.90	ug/Kg	81%		39-120	11	30	10
Aldrin	33.58	ND	49.90	ug/Kg	67%		34-120	8	30	10
Heptachlor epoxide	258.0	ND	49.90	ug/Kg	517%	*	43-120	12	30	10
Endosulfan I	67.53	ND	49.90	ug/Kg	135%	*	45-120	7	30	10
Dieldrin	115.6	ND	49.90	ug/Kg	232%	*	45-120	20	30	10
4,4'-DDE	339.5	ND	49.90	ug/Kg	680%	*	34-120	11	30	10
Endrin	238.5	ND	49.90	ug/Kg	478%	*	40-120	7	30	10
Endosulfan II	1,012	ND	49.90	ug/Kg	2029%	*	41-120	69*	30	10
Endosulfan sulfate	65.06	ND	49.90	ug/Kg	130%	*	42-120	6	30	10
4,4'-DDD	775.3	ND	49.90	ug/Kg	1554%	*	41-120	6	30	10
Endrin aldehyde	124.7	ND	49.90	ug/Kg	250%	*	30-120	2	30	10
Endrin ketone	11.72	ND	49.90	ug/Kg	23%	#,*	45-120	38*	30	10
4,4'-DDT	1,709	ND	49.90	ug/Kg	3425%	*	35-127	5	30	10
Methoxychlor	633.1	ND	49.90	ug/Kg		DO	42-136		30	10
Surrogates										
TCMX	36.78		49.90	ug/Kg		DO	23-120			10
Decachlorobiphenyl	-21.31		49.90	ug/Kg		DO	24-120			10

\# CCV drift outside limits; average CCV drift within limits per method requirements
* Value is outside QC limits
DO Diluted Out
ND Not Detected

State Water Resources Control Board Water Quality Order No. 2004-0012-DWQ

STATE WATER RESOURCES CONTROL BOARD
WATER QUALITY ORDER NO. 2004 - 0012 - DWQ

GENERAL WASTE DISCHARGE REQUIREMENTS FOR THE DISCHARGE OF BIOSOLIDS TO LAND FOR USE AS A SOIL AMENDMENT IN AGRICULTURAL, SILVICULTURAL, HORTICULTURAL, AND LAND RECLAMATION ACTIVITIES (GENERAL ORDER)

The State Water Resources Control Board (hereinafter referred to as the SWRCB) finds that:

1. Applications for the use of treated municipal sewage sludge meeting the requirements specified in Part 503 in Title 40 of the Code of Federal Regulations (CFR) (hereinafter referred to as biosolids) as a soil amendment have been received and waste discharge requirements (WDRs) have been issued by several of the nine Regional Water Quality Control Boards (RWQCBs). Section 13274 of the California Water Code (CWC) requires the SWRCB or RWQCBs to prescribe General WDRs for the discharge of biosolids used as a soil amendment. This General Order is intended to satisfy the requirements of CWC section 13274 and is intended for discharges of biosolids for use as a soil amendment. This General Order assists in streamlining the regulatory process for such discharges but may not be appropriate for all sites using biosolids due to particular site-specific conditions or locations. Such sites are not precluded from being issued individual WDRs. For the purposes of this General Order, biosolids do not include septage. Biosolids material applicable for coverage under this General Order is as described below:

    a. All Class A biosolids not meeting the requirements contained in Table 3 of 40 CFR Part 503.13 and Class B biosolids that are land applied for agricultural, silvicultural, horticultural, and land reclamation activities;

    b. All Exceptional Quality (EQ) biosolids-derived mixtures consisting of more than or equal to 50 percent biosolids (dry weight) applied at more than 10 dry-tons per acre per year for use as a soil amendment to continuous fields/plots greater than 20 acres for agricultural, silvicultural, horticultural, and land reclamation activities and where the said fields/plots are owned or operated by the same person, company, or partnership;

    c. All EQ biosolids-derived mixtures consisting of 50 percent biosolids or less (dry weight) applied at more than 20 dry-tons per acre per year for use as a soil amendment to continuous fields/plots greater than 20 acres for agricultural, silvicultural, horticultural, and land reclamation activities and where the said fields/plots are owned or operated by the same person, company, or partnership.

2. EQ biosolids may not necessitate regulation in the future. However, it is believed that large scale uses currently require oversight regardless of the actual threat to water quality while done at agronomic rates and using best management practices. Accordingly, this General Order can be applied to such sites to ensure that biosolids are being properly used and are not used in an activity of unregulated

dumping. This regulatory tool may be used to regulate material that is land applied at a high loading rate in order to discourage poor biosolids management and to reduce risk to the public and the environment.

3. Within this General Order, the following terms are described as follows:

   a. Agriculture: The practice, science, or art of using the soil for the production of crops and/or raising livestock for human use.

   b. Agricultural Mineral: Any material containing nitrogen, available phosphoric acid, or soluble potash, singly or in combination, in amounts less than 5 percent or any substance containing essential secondary nutrients or micronutrients that is distributed for use in agriculture, silviculture, horticulture, and land reclamation activities for the purpose of promoting plant growth.

   c. Agronomic Rate: The nitrogen requirements of a plant needed for optimal growth and production, as cited in professional publications for California or recommended by the County Agricultural Commissioner, a Certified Agronomist or Certified Soil Scientist.

   d. Applier: Person, group of persons, or company that applies biosolids for use as a soil amendment.

   e. Arid: Arid lands are those areas where the long term annual average rainfall is below 250 millimeters (less than 10 inches).

   f. Biosolids: Sewage sludge that has been treated and tested and shown to be capable of being beneficially and legally used as a soil amendment for agriculture, silviculture, horticulture, and land reclamation activities as specified under 40 CFR Part 503.

   g. Buffer Zones: An area of land that provides a separation distance between the land application site and an area of concern.

   h. Class A Biosolids: Biosolids meeting the vector attraction, and meeting pollution concentration limits specified in 40 CFR Part 503 and pathogen reduction standards specified in 40 CFR Part 503.32(a).

   i. Class B Biosolids: Biosolids meeting the vector attraction and meeting pollution concentration limits specified in 40 CFR Part 503 and pathogen reduction standards specified in 40 CFR Part 503.32(b).

   j. Depth to Ground Water: The distance from the land surface elevation to the seasonal high water table.

   k. Domestic Water Supply Well: A well that provides water used for human consumption.

   l. EQ Biosolids: Biosolids which meet metals standards, Class A pathogen reduction standards, and vector attraction reduction standards contained in

40 CFR Part 503.13 (Table 3), 40 CFR Part 503.32, and 40 CFR Part 503.33, respectively.

m. Fallow: Fallow lands are areas that have not been cultivated during the growing season but do not include areas that have been tilled, disked, or otherwise distributed to control weeds or conserve soil moisture during such season.

n. Fertilizing Material: Biosolids with 5 percent or more of nitrogen, available phosphoric acid, or soluble potash, singly or in combination.

o. Generator: Municipal Wastewater Treatment Facility or Sewage Sludge Treatment Facility.

p. Grower: Person or entity primarily responsible for planting, maintaining, and harvesting or allowing the use of crops and/or range land for domestic animal or human use.

q. Gully erosion: Erosion cut by a concentrated but intermittent flow of water usually during and immediately following heavy rains or after ice/snow melt. A gully generally is an obstacle to wheeled vehicles and too deep (e.g., > 0.5 meter) to be obliterated by ordinary tillage.

r. High Potential for Public Exposure Areas: Land located within one-half mile of educational facilities, facilities designated for recreational activities other than hunting, fishing, or wildlife conservation, places of public assembly, hospitals, or similar sensitive receptors.

s. Horticulture: The practice, science, or art of cultivating the soil to produce fruit, vegetables, or ornamental plants for human use.

t. Key Operating Personnel: Those individuals responsible for the oversight of daily operations, management decisions, and planning of biosolids land application projects.

u. Low Potential for Public Exposure Areas: Land not meeting the definition of High Potential for Public Exposure Areas.

v. Label: The display of all written, printed, or graphic matter on the immediate container of, or a statement including the guaranteed analysis, accompanying fertilizing material as required by the California Department of Food and Agriculture.

w. Land Reclamation: The practice of revitalizing or restoring lands that are damaged from past or present human land use practices.

x. Long-Term Storage Facility: Site which holds biosolids for more than seven days consecutively.

y. Micronutrients: Refers to boron, chloride, cobalt, copper, iron, manganese, molybdenum, sodium, or zinc.

z. Municipal Wastewater Treatment Facilities (treatment facilities): Facilities designed to collect and treat wastewater generated from primarily domestic sources for environmentally safe reuse or disposal.

aa. Notice of Applicability: Written notice that a biosolids land application site is required to comply with the provisions of this General Order and that applications according to the General Order may commence.

ab. Notice of Intent (NOI): Application for coverage under this General Order, as attached. The NOI is also a notification form for the public and interested parties for this General Order.

ac. Notice of Termination (NOT): Request form to discontinue coverage of this General Order.

ad. Nuisance: Nuisance means anything which meets all of the following requirements:

(1) Is injurious to health, or is indecent and offensive to the sense, or is an obstruction to the free use of property so as to interfere with the comfortable enjoyment of life and property.

(2) Affects at the same time an entire community or neighborhood or any considerable number of persons, although the extent of the annoyance or damage inflicted upon individuals may be unequal.

(3) Occurs during, or as a result of, the treatment or disposal of wastes.

ae. Pathogens: Disease causing agents including helminths, bacteria, viruses, and protozoa.

af. Pathogen Reduction: Process used to destroy pathogenic material contained in sewage sludge.

ag. Pollution: Means an alteration of the quality of the waters of the State by waste to a degree which unreasonably affects either of the following:

(1) The waters for beneficial uses.

(2) Facilities which serve these beneficial uses.

ah. Secondary Nutrients: The elements of calcium, magnesium, and sulfur.

ai. Septage: Waste material removed from a septic tank, cesspool, portable toilet, Type III marine sanitation device, or similar wastewater handling device that has not passed through a municipal wastewater treatment facility.

aj. Sewage Sludge: The solid, semisolid, or liquid residue generated during the treatment of domestic sewage in a municipal wastewater treatment facility. Sewage sludge includes solids removed or used during primary, secondary, or advanced wastewater treatment processes. Sewage sludge does not include grit

or screening material generated during preliminary treatment of domestic sewage at a municipal wastewater treatment facility.

ak. Short-Term Storage: Biosolids storage sites used as a temporary holding facility for less than or equal to seven days.

al. Silviculture: The practice, science, or art of managing, developing, and harvesting forests and trees for human use.

am. Soil Amendment: Applications of a fertilizing material or agricultural mineral for the purpose of promoting utilization by plants and other living organisms with the goal of a net gain in soil productivity.

an. Staging Area: Area used to hold biosolids for less than 48 hours prior to use for the specified activity listed in the NOI.

ao. Tailwater: Excess water from crop irrigation resulting in a discharge off site to a surface water body.

ap. Vector Attraction: Characteristic of biosolids that attracts potential pathogen transmitters such as flies, rodents, and other animals or organisms.

aq. Water-saturated soil: Water content of the soil such that any further addition of water will result in runoff, standing water, or percolation of water through the displacement of existing soil water.

4. Treatment facilities serve urban and suburban population areas by collecting and treating municipal wastewater and reusing or disposing of wastewater effluent. While serving the public in this manner, significant amounts of sewage sludge are generated. This material is typically further treated (stabilized) and dewatered resulting in biosolids as a product of the wastewater treatment process. Biosolids can be managed using a variety of options including: (a) disposal in a sanitary landfill, (b) incineration, (c) placement into a landfill dedicated for this purpose, (d) use as daily landfill cover, and (e) use in land application operations, including reclamation, horticulture, agriculture, and silviculture. As population increases and technological improvements in wastewater treatment processes occur, the amount of biosolids generated in California is likely to increase significantly.

5. Particularly in urban areas, industrial sources discharge into wastewater collection systems. Many of these discharges are regulated by pretreatment programs implemented pursuant to 40 CFR Part 403. These programs restrict industries from discharging toxic pollutants in concentrations creating concerns for the treatment facilities.

6. As a result of domestic and industrial uses, pollutants enter the collection system of treatment facilities. The majority of the pollutant load treated at the treatment facilities is organic matter. This material is removed through flotation and/or settling or is converted to biological solids and then removed through settling prior to discharge. The settled material is then further treated to stabilize organic matter which constitutes the majority of the domestic sewage sludge. Metals from domestic and industrial sources are also present in the waste stream at the treatment facility. These pollutants are removed from the waste stream and concentrated in

the sewage sludge. Organic chemicals can also be present from domestic and industrial uses of water. The fate of these pollutants is variable. Some are removed and destroyed through physical and biological processes at the treatment facility. Others may concentrate in the sewage sludge. Some pass through the treatment facilities unchanged and are subsequently discharged from the treatment process. A portion of the organic chemicals concentrated in the sewage sludge is degraded during sludge stabilization processes. Some organic chemicals can remain in the sewage sludge unchanged. For these reasons, testing of sewage sludge is necessary prior to it being classified as biosolids.

7. Biosolids are a source of organic matter, nitrogen, phosphorus, and micronutrients. These materials are beneficial to agriculture, silviculture, horticulture, and land reclamation activities and they improve agricultural productivity. More specifically, the benefits derived from biosolids used as a soil amendment are as follows:

    a. Nitrogen is a basic nutrient for plant growth. In biosolids, it is present in the forms of ammonia, nitrates, and organic nitrogen at concentrations from two to 10 percent by weight on a dry weight basis. The ammonia and nitrate forms of nitrogen are available for plant usage. Organic nitrogen is release slowly (mineralized) over many months, providing a continuous supply of nitrogen for crops and minimizing the potential for movement of nitrogen to the ground water. Ammonium and nitrate (and some nitrite) are the available forms of nitrogen that are taken up by the plants and some form salt reserves and mineralized organic nitrogen in the soil. Total nitrogen available to the plant at any given time is less than the total of these mineral forms due to the dynamic cycling of nitrogen in the soil.

    b. Phosphorus is a basic nutrient for plant growth and is present in all biosolids in varying concentrations.

    c. Micronutrients, including a variety of salts and metals, are necessary for plant growth and are present in biosolids in varying amounts.

    d. The addition of biosolids to soils can also be beneficial by enhancing soil structure, increasing water retention capability, promoting soil aggregation, and reducing the bulk density. Organic matter assists in maintaining soil pores which allow water and air to pass through the soil medium. Such pores can be lost at sites under continuous cultivation and they are critical in maintaining an aerobic environment within the plant root zone.

    e. Organic matter helps soils retain water. Additional water retention can reduce the need for frequent water applications and can facilitate water conservation in the soil column.

    f. Liming agents are available when the biosolids have been chemically stabilized with lime. Liming agents increase soil pH and can improve the permeability of the soils. Higher pH soils have a greater propensity to bind most heavy metals, decreasing the chance of the metals migrating to the ground water.

8. Biosolids have the following characteristics which can create water quality and public health problems if improperly treated, managed, and regulated during use as a soil amendment:

   a. Pathogens can be present. Unless the biosolids are specially treated or disinfected to destroy pathogens, significant concentrations of bacteria, viruses, and parasites can remain. Public health problems can be prevented with appropriate control over public access to the application areas and restrictions on the type and use of crops grown on the application sites. Buffer zones around water supply wells, surface water drainage courses, and public areas are designated to prevent transmission of pathogens to the public.

   b. Heavy metals will be present. If heavy metals are over-applied to a field, they can cause ground water pollution, toxicity to plants, toxicity/adverse effects to soil microorganisms, or buildup in the plant tissues. A buildup of metals in plant tissues may allow transmission of the metals into the food chain which is the cause of toxicity/adverse effects to animals eating plants or animals containing elevated metals. Future cropping or other land uses could be restricted. Only some of the metals commonly found in biosolids are known to cause water quality or public health problems. Application rates for those metals have been established to avoid the problems.

   c. Nitrogen can be over-applied, allowing a buildup of nitrogen in soils. Excess nitrogen will eventually be converted to the nitrate form and it can migrate to ground water. Excess nitrate in the ground water can result in the exceedance of drinking water standards and a public health threat. Nitrogen over-application can be prevented by biosolids application at an agronomic rate, that is, by matching the application rate of the nitrogen to the nitrogen usage rate of the crops and to soil permeability and soil retention capability.

   d. Odor and insect nuisances can be caused if the biosolids have not been adequately treated (stabilized) prior to application or if wet biosolids are allowed to remain on the ground surface for several days. Compliance with State and federal standards for stabilization of the biosolids will minimize the potential for odors and insect nuisances. Proper management at the application site will prevent odor or insect nuisances. Properly stabilized biosolids will generate limited, transient odors in the immediate vicinity of the application operations. Adequate buffer zones around residences and public areas, therefore, should be provided.

   e. Discharge of organic matter, metals, and pathogens to surface waters can affect water quality. These effects can be prevented by controlling field runoff. The water quality threat of organic matter of biosolids origin affecting surface water is no greater than for a similar quantity of other organic soil amendments.

9. The U. S. Environmental Protection Agency (USEPA) has promulgated 40 CFR Part 503 for the use of biosolids as a soil amendment. These regulations establish ceiling concentrations for metals and pathogen and vector attraction reduction standards; management criteria for the protection of water quality and public health; and annual and cumulative discharge limitations of persistent pollutants, such as heavy metals, to land for the protection of livestock, crop, and

human health and water quality protection. The requirements of 40 CFR Part 503 are based on a risk-based evaluation using 14 different pathways.

10. The National Research Council established a committee to review the methods and procedures used by the USEPA while forming the basis of the 40 CFR Part 503. The National Research Council's members are drawn from the National Academy of Sciences, National Academy of Engineering, and the Institute of Medicine. Committee members included university professors from the schools of law, science, and agriculture; a state health official; a food industry professional; a professional from a sanitation agency; and a professional consultant. After a three-year study (starting in 1993), the committee made some recommendations for improvement of the regulations and data from which they are based but also stated: "Established numerical limits on concentration levels of pollutants added to cropland by sludge are adequate to assure the safety of crops produced for human consumption." As a result of the peer review, monitoring for organic chemicals and using fecal coliform testing as a parameter for determining Class A level pathogen reductions is included in this General Order.

11. This General Order establishes a regulatory system to manage biosolids in a manner that is reasonably protective of public health and the environment to the extent of present scientific knowledge. The beneficial use of biosolids through land application under this General Order is environmentally sound and preferable to non-beneficial disposal.

12. Due to the extensive work done by the USEPA, this General Order is using the 40 CFR Part 503 requirements as baseline requirements for compliance. However, this General Order is applicable to sites where biosolids are applied to land and is not intended to solely regulate the generator (unless the generator is also the landowner or land applier). The 40 CFR Part 503 permit requirements are only intended for and enforceable against the generator. Therefore, this General Order does not constitute compliance with 40 CFR Part 503. Since the SWRCB is not delegated with authority for the Federal Biosolids Program, the USEPA is the only authority to determine compliance with 40 CFR Part 503.

13. Each discharger covered by this General Order shall submit an application fee equal to the annual fee, pursuant to CWC section 13260. The amount of the fee is currently determined by the type of order issued, the threat to water quality, and complexity of the specific discharge, as detailed in Section 2200, Chapter 9, Division 3, Title 23, California Code of Regulations (CCR). Biosolids application projects greater than or equal to 40 acres are deemed as Non-Chapter 15 WDRs with a Category "II" threat to water quality rating and a Category "b" complexity rating. Biosolids projects consisting of less than 40 acres are deemed Category "III" threat to water quality rating and a Category "b" complexity rating.

14. This General Order may be periodically revised to reflect changes in federal or State laws or regulations or policies of the SWRCB or RWQCB.

15. Under CWC section 13263, the SWRCB can prescribe General WDRs for categories of discharges which involve the same or similar waste type or those which are produced by the same or similar operations.

16. This General Order shall primarily apply to both the landowner of sites using biosolids and the biosolids generator, but may also include, as determined by those involved in the operation, the individuals, or companies, transporting and placing the biosolids in the field and the land lessee in conjunction with the landowner and the generator. To obtain coverage under the General Order, a complete NOI and an appropriate fee must be submitted to the RWQCB. Once a completed application is submitted, RWQCB staff will evaluate the project to determine if it is suitable for regulation under this General Order and the corresponding California Environmental Quality Act (CEQA) document. Only after a determination of applicability is made will the discharger be issued a Notice of Applicability by the RWQCB Executive Officer. Only applicants (dischargers) who submit a complete NOI, appropriate fee, and are issued a Notice of Applicability are authorized to land apply biosolids at an agricultural, horticultural, silvicultural, or land reclamation site as a soil amendment onto the land specified in the NOI in compliance with the terms and conditions of this General Order. If it is determined that a local agency already adequately regulates the activity subject to this permit, the RWQCB may choose not to issue this General Order in order to avoid any duplicative regulation.

17. A separate NOI and filing fee must be filed for each biosolids use project to be eligible for coverage under this General Order. A separate NOI and filing fee must be filed for each landowner involved in a reuse project. Attachment A to this General Order contains an NOI form which details the minimum contents of the NOI. A single reuse project will be limited to sites comprising not more than 2,000 net acres available for application. Net acreage is the land available for application, excluding roads, surface water drainage, and required buffer areas. The sites comprising a single reuse project shall be contained within a ten-mile radius of a given location. There is no restriction on the number of NOIs which may be filed for reuse within any geographic area. A single reuse project may be a one-time application or may be repetitive applications to the same parcel. Filing fees are annual fees. Projects will be billed for an annual fee equaling the filing fee until the project is completed and coverage under the General Order has been terminated.

18. As a condition for the review of each individual NOI submitted for a proposed biosolids application project under the GO, the RWQCB staff responsible for issuing the NOA will:

    a. evaluate whether the proposed discharge will occur within an area designated as having existing nitrate contamination problems and

    b. evaluate whether the proposed discharge will pose an imminent threat of contributing to or causing exceedances of water quality standards for nitrate.

19. As a result of the review discussed in Finding No.17 , if the responsible RWQCB staff finds that either condition exists, the RWQCB staff will minimize the potential water quality impacts of the project by requiring the applicant to modify the proposed discharge activities or provide additional information to verify that the proposed discharge will not cause or contribute to violations of water quality standards. Verification that the proposed project will not cause or contribute to water quality degradation will require that sufficient information be submitted by a qualified civil engineer, agricultural engineer, professional hydrogeologist or other

qualified professional such that the RWQCB staff could make a finding that the proposed discharge will be in compliance with provisions of the GO. If the RWQCB staff finds that modifications to the proposed discharge are necessary for compliance with provisions of the GO, such modifications will consider, but will not be limited to, the following:

a. requirements for the discharger to use the services of a certified agronomist, crop advisor, or agricultural engineer to develop additional management practices related to: 1) determining the agronomic rate for biosolids application projects that include all sources of nitrogen applied to the application site; 2) developing overall farm water, cropping, and fertility management practices; and 3) evaluating the potential for nitrate leaching or impairment of offsite groundwater use;

b. requirements of the discharger to provide additional groundwater monitoring in areas where groundwater is found at depths greater than 25 feet or there exist other identified local hydrogeologic conditions that could make the groundwater susceptible to contamination;

c. requirements of the discharger to identify whether the proposed biosolids application site is within an area where Drinking Water Source Water Assessment and Protection (DWSWAP) Program setback requirements are implemented for municipal and domestic wells; and

d. requirements of the discharger to consider the unique local site and hydrogeologic conditions in the design of the project and/or other groundwater quality management or regulatory programs that are currently active in the area.

20. This General Order sets minimum standards for the use of biosolids as agricultural, horticultural, silvicultural, or reclamation site soil amendments, and it does not preempt or supersede the authority of local agencies to prohibit, restrict, or control the use of biosolids subject to their control, as allowed under current law. It is the responsibility of the discharger to make inquiry and to obtain any local governmental agency permits or authorizations prior to the application of biosolids at each site.

21. Some areas in California have been designated as unique and valuable public resources. Such areas have been defined in the State law and the CCR as jurisdictional waters or preserves or have been addressed through acts specifically intended to preserve and manage the resource. This General Order is not applicable to those areas as described below:

a. The Lake Tahoe Basin.

b. The Santa Monica Mountains Zone as defined by section 33105 of the Government Code.

c. The California Coastal Zone, as defined in and mapped pursuant to Public Resources Code (PRC) section 30103.

d. An area within one quarter mile of a wild and scenic river, as defined by PRC section 5093.5.

e. The Sacramento-San Joaquin Delta, as defined in CWC section 12220.

f. The Suisun Marsh, as defined in (PRC) section 29101.

g. The jurisdiction of the San Francisco Bay Conservation and Development Commission, as defined in Government Code section 66610.

h. The following prohibition areas contained in the Water Quality Control Plan[1] of the Lahontan RWQCB:

(1) Glenshire and Devonshire Subdivisions, Town of Truckee

(2) Areas southwest of Piute Creek and north of Susan River and included in Sections 21, 25, 26, 27, 28, 33, 34, 35, and 36, T30N, R11E, MDB&M

(3) Eagle Lake Basin-Spaulding Tract, Stones-Bengard Subdivision, and Eagle's Nest Summer Home Tract

(4) Mono-Owens Planning Area

(a) Rush Creek Watershed above the outlet of Grant Lake

(b) Mammoth Creek Watershed, including the drainage area of the community of Mammoth Lake, and the Sherwin Creek Watershed upstream of the confluence of Sherwin and Mammoth Creeks

(c) Inyo County Service Area No. 1

i. Assessment District No. 1
ii. Assessment District No. 2
iii. Rocking K Subdivision
iv. City of Bishop

(5) Antelope Valley Planning Area

(a) The Antelope Hydrologic Unit above an elevation of 3,500 feet

(6) Mojave River Planning Area

(a) The Silverwood Lake Watershed

(b) The Deep Creek Watershed above an elevation of 3,200 feet

(c) The Grass Valley Creek Watershed above an elevation of 3,200 feet

[1] A detailed description of the prohibition areas can be found in the Lahontan RWQCB's Water Quality Control Plan (Basin Plan)

(d) Area north of State Highway 18 within the area commonly known as Apple Valley and Desert Knolls

(7) Hilton Creek/Crowley Lake communities

22. The biosolids applied to land under this General Order are non-hazardous decomposable wastes applied as a soil amendment pursuant to best management practices and, as such, are exempt from the requirements of Title 23, CCR, Section 2510, et seq., (Chapter 15), in accordance with Section 2511(f).

23. The construction and use of biosolids storage facilities allowed by this General Order are for short-term storage of biosolids in the event that biosolids cannot be immediately applied to the ground surface because of an unanticipated event, such as mechanical breakdown of equipment or an unseasonable rainstorm. Because of the short period of storage allowed by this General Order, the stockpiled biosolids are not a threat to the quality of underlying ground water; thus, the storage basins need not be regulated as either a waste pile or surface impoundment under Title 27 of the CCR. If long-term storage is proposed, the discharger will need to apply for a separate WDR for the long-term biosolids storage facility. Biosolids application to land associated with a project using a permitted long-term biosolids storage basin may be conducted under this General Order, if appropriate.

24. Ground water and surface waters of California have been evaluated for their maximum potential beneficial uses. Those use categories are discussed below:

a. The designated beneficial uses of surface waters within the State are:

(1) Municipal Supply (MUN)
(2) Agricultural Supply (AGR)
(3) Aquaculture (AQUA)
(4) Fresh Water Replenishment of Salton Sea (FRSH)
(5) Industrial Service Supply (IND)
(6) Ground Water Recharge (GWR)
(7) Water Contact Recreation (REC I)
(8) Noncontact Water Recreation (REC II)
(9) Warm Water Habitat (WARM)
(10) Cold Freshwater Habitat (COLD)
(11) Wildlife Habitat (WILD)
(12) Hydropower Generation (POW)
(13) Preservation of Rare, Endangered, or Threatened Species (RARE)

b. The designated beneficial uses of ground waters in California are:

(1) MUN
(2) IND
(3) AGR
(4) AQUA
(5) WILD

Some ground water and surface waters have fewer beneficial uses. Beneficial uses for specific water bodies can be found in the applicable RWQCB's Water Quality Control Plan (Basin Plan).

25. On July 22, 2004, in accordance with CEQA (PRC, Section 21000, et seq.), the SWRCB adopted a Mitigated Environmental Impact Report No. 99062108 for these General WDRs.

26. The SWRCB has notified all known interested agencies and persons of its intent to prescribe General WDRs for the reuse of biosolids as a soil amendment and has provided them with an opportunity for a public hearing and an opportunity to submit comments.

27. The SWRCB, in public meetings on March 2 and July 7, 2004, heard and considered all comments pertaining to the General Order.

28. Amendments to this General Order have been evaluated by the SWRCB in light of the Environmental Impact Report just certified and the substantial evidence before the Board, and the SWRCB finds such amendments to be consistent with the analysis contained therein. The SWRCB finds that there will be no additional potentially significant environmental impacts or substantial increase in the severity of previously disclosed environmental impacts caused by the amendments to the General Order.

IT IS HEREBY ORDERED that all dischargers that file an NOI indicating their intention to be regulated under provisions of this General Order, and all heirs, successors, or designees, in order to meet the provisions contained in Division 7 of CWC and regulations adopted thereunder, shall comply with the following:

A. PROHIBITIONS

1. The discharge of biosolids is prohibited unless the discharger has submitted an NOI, filing fee, and a pre-application report and in response to these submittals, the RWQCB has issued a Notice of Applicability, individual WDRs, or a waiver of WDRs for the discharge.

2. Applications of biosolids shall be confined to the designated use areas stated and shown in the NOI and pre-application report.

3. The discharge shall not cause or threaten to cause pollution, as defined in CWC section 13050.

4. The application of any material that results in a violation of the Safe Drinking Water and Toxic Enforcement Act (Health and Safety Code section 25249.5) is prohibited.

5. The storage, transport, or application of biosolids shall not cause a nuisance, as defined in CWC section 13050.

6. There shall be no discharge of biosolids from the storage or application areas to adjacent land areas not regulated by this General Order, to surface waters, or to surface water drainage courses.

7. From the permitted site, irrigation water runoff is prohibited for 30 days after application of biosolids if vegetation in the application area and along the path of runoff does not provide 33 feet of unmowed grass or similar vegetation to prevent the movement of biosolids from the application site.

8. Application of biosolids at rates in excess of the nitrogen requirements of the vegetation or at rates that would degrade ground water is prohibited except as allowed by Prohibition A.9.

9. Application of biosolids at rates in excess of the nitrogen requirements of the vegetation may be allowed for soil reclamation projects (as defined by land reclamation on page 4) as part of an overall plan for reclamation of sites (such as abandoned mine tailings and gravel quarries), provided the discharger can demonstrate that the application of excess nitrogen will not result in unacceptable degradation of underlying ground waters. A report prepared by a Certified Agronomist, Certified Soil Scientist, Registered Agricultural Engineer, or Registered Civil Engineer providing this demonstration shall be submitted to and approved by the RWQCB Executive Officer prior to the application of biosolids to reclamation sites at greater than agronomic rates.

10. The discharge of biosolids except as allowed for authorized storage, processing, and application sites is prohibited.

11. The application of "hazardous waste," as defined in Chapter 11, Division 4.5, Title 22 of the CCR, is prohibited.

12. Discharge of biosolids with pollutant concentrations greater than those shown below is prohibited.

	Ceiling Concentration
Constituent	mg/kg dry weight
Arsenic	75
Cadmium	85
Copper	4300
Lead	840
Mercury	57
Molybdenum	75
Nickel	420
Selenium	100
Zinc	7,500

13. The application of biosolids to water-saturated or frozen ground or during periods of precipitation that induces runoff from the permitted site is prohibited.

14. The application of Class B biosolids containing a moisture content of less than 50 percent is prohibited.

15. The application of biosolids in areas where biosolids are subject to gully erosion or washout off site is prohibited.

16. The application of biosolids to slopes exceeding 25 percent is prohibited.

B. DISCHARGE SPECIFICATIONS

1. All biosolids subject to this General Order shall comply with the applicable pathogen reduction standards listed in 40 CFR Part 503.32. In addition to those standards, all biosolids meeting Class A standards shall not have a maximum fecal coliform concentration greater than 1,000 most probable number (MPN) per gram of biosolids; or the density of salmonella, sp.[2] shall not be greater than three MPN per four grams.

2. All biosolids subject to this order shall comply with one of the applicable vector attraction reduction requirements specified in 40 CFR Part 503.33.

3. Biosolids application rates shall not exceed the agronomic rate for nitrogen for the crop being planted except as allowed by Prohibition No. 9 or for biosolids research projects.

4. Biosolids less than 75% moisture shall not be applied during periods when the surface wind speed exceeds 25 miles per hour as determined by the nearest calibrated regional weather station (e.g., airport, CIMS).

5. Biosolids shall not be applied in amounts exceeding the Risk Assessment Acceptable Soil Concentration as described below:

$$BC = RP - 1.8(BS)$$

Where: BC= Background Cumulative Adjusted Loading Rate (Lbs./Acre)
RP = 40 CFR Part 503 Cumulative Pollutant Loading Rate (Lbs./Acre)
BS = Actual Site Background Site Soil Concentration (mg/Kg)

And Where the Values for RP on a pollutant specific basis are given below:

Pollutant	Cumulative Pollutant Loading Rate (RP) (Lbs./Acre)
Arsenic	36
Cadmium	34
Copper	1336
Lead	267

[2] As determined by a USEPA approved method other than a method listed in "Standard Methods for the Examination of Water and Wastewater" 18th Edition, 1992, American Public Health Association, 1015 15th Street, NW., Washington, DC 2005; and other than the method found in Kenner, B. A. and H. P. Clark, "Detection and Enumeration of Salmonella and Pseudomonas aeruginosa," Journal of Water Pollution Control Federation, Vol. 46, No. 9, September 1974, pp. 2163-2171. Water Environment Federation, 601 Wythe Street, Alexandria, VA 22314.

Mercury	15
Molybdenum[3]	16
Nickel	374
Selenium	89
Zinc	2,494

6. If biosolids are applied to a site where the soil will be tilled, biosolids shall be incorporated within 24 hours after application in arid areas and in non-arid areas during the time period beginning May 1 and ending October 31 and within 48 hours in non-arid areas during the remaining time period.

7. Grazing of domesticated animals at sites where biosolids applications have occurred will be restricted until the necessary waiting period has elapsed. Such grazing shall be deferred for at least 60 days after application of biosolids in areas with average daily (daytime) air temperatures exceeding 50ºF or be deferred for at least 90 days after land application where such conditions are not met.

8. If biosolids are applied to ground surfaces having a slope greater than ten percent (10%) or if required by the RWQCB Executive Officer, a report, including an erosion control plan, shall be prepared by a Certified Soil Scientist, Certified Agronomist, Registered Agricultural Engineer, Registered Civil Engineer, or a Certified Professional Erosion and Sediment Control Specialist and submitted to the RWQCB for approval with the NOI. This report shall describe the site conditions that justify application of biosolids to the steeper slopes and shall specify the application and management practices necessary (a) to assure containment of the biosolids on the application site and (b) to prevent soil erosion. The discharger shall comply with any approved erosion control plan submitted to the RWQCB.

9. Structures conveying tail water shall be designed and maintained to minimize any field erosion. Tail water structures shall be boarded and wrapped with plastic prior to any biosolids application but removed after biosolids incorporation into the soil.

10. Biosolids distinguished as "Class B" in 40 CFR Part 503 must comply with the following:

    a. The discharge of tail water or field runoff is prohibited within 30 days after application of biosolids for areas where biosolids have not been incorporated into the soil and where there is not a minimum of 33 feet[4] of unmowed grass or similar vegetation bordering the application area and along the path of runoff to prevent movement of biosolids particles from the application site.

    b. After an application of biosolids in any field, the discharger shall ensure the following:

[3] Currently the USEPA has not established a value for the limitation of molybdenum. Should the USEPA establish such a cumulative pollutant limitation in 40 CFR Part 503, that limit will preempt the limit specified for molybdenum.

[4] For sites where the topography slopes are greater than 10 percent, the minimum width of vegetative border shall be proposed in accordance to Discharge Specification No. 8 above.

(1) For at least 30 days:

(a) Food, feed, and fiber crops are not harvested.

(2) For at least 60 days after application of biosolids in areas with average daily (daytime) air temperatures exceeding 50ºF or for at least 90 days after land application where such conditions are not met:

(a) Domesticated Animals are not grazed.

(3) For at least 12 months:

(a) Public access to the site is restricted for sites with a high potential for public exposure;
(b) Turf is not to be harvested if the harvested turf is placed on land with a high potential for contact by the public as defined in 40 CFR Part 503.11; and
(c) Grazing of milking animals used for producing unpasteurized milk for human consumption is prevented if the field is used as pasture.

(4) For at least 14 months:

Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface are not harvested.

(5) For at least 20 months:

Food crops with harvested parts below the land surface are not harvested when the biosolids remain exposed on the surface for four months or longer prior to incorporation.

(6) For at least 38 months:

Food crops with harvested parts below the land surface are not harvested when the biosolids remained exposed on the ground surface for less than four months prior to incorporation into the soil.

11. Staging and biosolids application areas shall be at least:

a. 10 feet from property lines[5],
b. 500 feet from domestic water supply wells[6],
c. 100 feet from non-domestic water supply wells[7],

[5] This requirement may be waived when property lines are adjacent to properties also using biosolids as a soil amendment.

[6] A lesser setback distance from domestic water supply wells (not to be less than 100 feet) may be used if the discharger can demonstrate to the Executive Officer that the ground water, geologic, topographic, and well construction conditions at the specific site are adequate to protect the health of individuals using the supply well.

[7] A lesser setback distance (not to be less than 25 feet) may be used if the discharger can demonstrate to the RWQCB Executive Officer that the ground water, geologic, topographic, and well construction conditions at the specific site are adequate to protect the ground water. Not including agricultural drains.

d. 50 feet from public roads and occupied onsite residences,
e. 100 feet from surface waters, including wetlands, creeks, ponds, lakes, underground aqueducts, and marshes,
f. 33 feet from primary agricultural drainage ways,
g. 500 feet from occupied non-agricultural buildings and off-site residences[8],
h. 400 feet from a domestic water supply reservoir,
i. 200 feet from a primary tributary to a domestic water supply,
j. 2,500 feet from any domestic surface water supply intake, and
k. 500 feet from enclosed water bodies that could be occupied by pupfish.

12. Operators that produce land applied biosolids are to follow the recommendations contained in ISCORS's November 2003 draft report entitled "Assessment of Radioactivity in Sewage Sludge: Recommendations on Management of Radioactive Materials in Sewage Sludge and Ash in Publicly Owned Treatment Works" (ISCORS Technical Report 2003-04), for screening, identification, and consultation.

C. BIOSOLIDS STORAGE AND TRANSPORTATION SPECIFICATIONS

Biosolids shall be considered to be "stored" if they are placed on the ground or in non-mobile containers (i.e., not in a truck or trailer) at the application site or an intermediate storage location away from the generator/processing for more than 48 hours. Biosolids shall be considered to be "staged" if placed on the ground for brief periods of time solely to facilitate transfer of the biosolids between transportation and application vehicles.

1. Biosolids shall not be stored for more than seven (7) consecutive days prior to application.

2. Biosolids containing free liquids shall not be placed on the ground prior to application on an approved site, excluding equipment cleaning operations.

3. Biosolids shall not be stored directly on the ground at any one location for more than seven (7) consecutive days.

4. Sites for the storage of Class B biosolids shall be located, designed, and maintained to restrict public access to the biosolids.

5. Biosolids storage facilities that contain biosolids between October 1 and April 30 shall be designed and maintained to prevent washout or inundation from a storm or flood with a return frequency of 100 years.

6. Biosolids placed on site for more than 24 hours shall be covered.

7. Biosolids storage facilities shall be designed, maintained, and operated to minimize the generation of leachate and the effects of erosion.

[8] A lesser setback from non-agricultural buildings and off-site residences (not less than 100 feet) may be allowed by the Executive Officer provided that a lesser setback is not initially opposed by the current resident within 500 feet.

8. If biosolids are to be stored at the site, a plan describing the storage program and means of complying with this General Order shall be submitted for RWQCB Executive Officer approval with the NOI. The storage plan shall also include an adverse weather plan.

9. The discharger shall operate the biosolids storage facilities in accordance with the approved biosolids storage plan.

10. The discharger shall immediately remove and relocate any biosolids stored or applied on site in violation of this General Order.

11. All biosolids shall be transported in covered vehicles capable of containing the designated load.

12. No application of Class B biosolids shall be permitted within an area defined in the General Order as having a high potential for public exposure unless the biosolids are injected into the soil.

13. All biosolids having a water content that is capable of leaching liquids shall be transported in leak proof vehicles.

14. Each biosolids transport driver shall be trained as to the nature of its load and the proper response to accidents or spill events and shall carry a copy of an approved spill response plan.

15. The discharger shall avoid the use of haul routes near residential land uses to the extent possible. If the use of haul routes near residential land uses cannot be avoided, the discharger shall limit project-related truck traffic to daylight hours.

D. PROVISIONS

1. To obtain coverage under this General Order and terminate coverage thereof, the following must take place:

    a. Coverage:

        A complete NOI form and filing fee must be filed by the discharger for each proposed application site covered by these General WDRs. The NOI form may be modified by the RWQCB Executive Officer as the need arises. An NOI form is attached (Attachment A) to this General Order. Coverage does not begin until a Notice of Applicability has been issued by the applicable RWQCB's Executive Officer. No discharge shall occur until 15 days after submission of the Pre-Application Report as required in the Monitoring and Reporting Program.

    b. Coverage Termination:

        (1) A biosolids application project covered by these General WDRs may be terminated by submittal of the Final Monitoring and Reporting Program technical report and a NOT, as shown on

Attachment B of these General WDRs. The discharger(s) will be responsible for paying all annual fees for coverage under these General WDRs until approval of the NOT is granted by the RWQCB Executive Officer. For sites using Class B biosolids, termination shall not take place until 38 months after the last Class B biosolids application. The NOT form may be modified by the RWQCB Executive Officer as the need arises.

(2) If an individual WDR Order is issued to the discharger for a project covered by this General Order, the applicability of this General Order to the discharger is automatically terminated on the effective date of the individual WDR Order.

2. Where ground water monitoring is required, as specified by the RWQCB Executive Officer or as contained in Monitoring and Reporting Program, the ground water monitoring program must be in place prior to any application of biosolids.

3. A cultural resources investigation shall be conducted before any disturbance of land that has not been disturbed previously. The cultural resources investigation will include, at a minimum, a records search for previously identified cultural resources and previously conducted cultural resources investigations of the project parcel and vicinity. This record search will include, at a minimum, contacting the appropriate information center of the California Historical Resources Information System, operated under the auspices of the California Office of Historic Preservation. In coordination with the information center or a qualified archaeologist, a determination shall be made regarding whether previously identified cultural resources will be affected by the proposed project and if previously conducted investigations were performed to satisfy the requirements of CEQA. If not, a cultural resources survey shall be conducted. The purpose of this investigation will be to identify resources before they are affected by a proposed project and avoid the impact. If the impact is unavoidable, mitigation will be determined on a case-by-case basis, as warranted.

4. The Discharger shall comply with State laws regarding disposition of Native American burials if such remains are found. If human remains of Native American origin are discovered during project activities, the discharger shall comply with State laws relating to the disposition of Native American burials, which are under the jurisdiction of the Native American Heritage Commission (Pub. Res. Code Section 5097). If human remains are discovered or recognized in any location other than a dedicated cemetery (six or more human burials at one location constitute a cemetery [Section 8100], excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains will stop until:

   a. the county coroner has been informed of the discovery and has determined that no investigation of the cause of death is required; and

   b. if the remains are of Native American origin,

i. the descendants of the deceased Native Americans have made a recommendation to the landowner or the person responsible for the excavation work for means of treating or disposing of the human remains and any associated grave goods with appropriate dignity, as provided in Public Resources Code Section 5097.98, or

ii. the Native American Heritage Commission is unable to identify a descendant or the descendant failed to make a recommendation within 24 hours after being notified by the commission.

5. The discharger shall submit copies of each NOI to the appropriate regional office(s) of the Department of Fish and Game, local water district, City Planning Department, County Health Department(s), County Planning Department(s), and County Agricultural Commissioner(s) with jurisdiction over the proposed application site(s). Also, the discharger shall notify adjacent property owners with parcels abutting the subject land application site and, where applicable, tenants. The discharger shall submit proof to the RWQCB that all the above agencies and persons were notified. Other than compliance evaluations, the RWQCB is not responsible for the notification process. Regional Board staff will examine available records to determine if there are recorded wells at the proposed application site. No application will be permitted at the site unless the well has been properly abandoned or the set back requirements are observed.

6. The discharger shall comply with the Monitoring and Reporting Program No. 2000- which is part of this General Order and any plans required and contained within, and any revisions thereto.

7. The discharger must notify the RWQCB Executive Officer in writing at least 30 days in advance of any proposed transfer of this General Order's responsibility and coverage to a new discharger. The notice must include a new NOI for the proposed discharger, a NOT for the existing discharger, and a specific date for the transfer of this General Order's responsibility. This agreement shall include an acknowledgment that the existing discharger is liable for compliance with this General Order and for all violations up to the transfer date and that the new discharger is liable for compliance with this General Order and all violations after the transfer date.

8. Where the discharger becomes aware that it failed to submit any relevant facts in a NOI or submitted incorrect information in a NOI or in any report to the RWQCB, it shall promptly submit such facts or information.

9. The discharger shall be responsible for informing all biosolids transporters, appliers, and growers using the site of the conditions contained in this General Order.

10. The discharger must comply with all conditions of this General Order, including timely submittal of technical and monitoring reports as directed by the RWQCB Executive Officer. Violations may result in enforcement action, including RWQCB or court orders requiring corrective action or

imposing civil monetary liability or revision or rescission of the applicability of this General Order to a specific project.

11. Individuals and companies responsible for site operations retain primary responsibility for compliance with these requirements, including day-to-day operations and monitoring. Individual property owners and property managers retain primary responsibility for crop selection and any access or harvesting restrictions resulting from biosolids application. Individual owners of the real property at which the discharge will occur are ultimately responsible for ensuring compliance with these requirements. Enforcement actions for violations of this General Order may be taken against all dischargers required to comply with this General Order.

12. A copy of this General Order shall be kept at the discharge facility for reference by operating personnel. Key operating personnel shall be familiar with its contents.

13. This General Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, do not protect the discharger from his liability under federal, State, or local laws, nor do they create a vested right for the discharger to continue the waste discharge.

14. Provisions of these WDRs are severable. If any provision of these requirements is found invalid, the remainder of these requirements shall not be affected.

15. The SWRCB will review this General Order periodically and will revise requirements when necessary.

16. The discharger at all times shall properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the discharger to achieve compliance with conditions of this General Order. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this General Order.

17. The discharger shall allow the RWQCB or an authorized representative upon the presentation of credentials, valid identification with photograph, and other documents as may be required by law to:

    a. Enter upon the discharger's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this General Order;

    b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this General Order;

c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this General Order; and

d. Sample or monitor at reasonable times, any substances or parameters at any location for the purposes of assuring compliance with this General Order or as otherwise authorized by the CWC.

18. All monitoring instruments and devices used by the discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy. All measurement devices shall be calibrated at least once per year or more frequently to ensure continued accuracy of the devices.

    Unless otherwise permitted by the RWQCB Executive Officer, all analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services. The RWQCB Executive Officer may allow use of any uncertified laboratory under exceptional circumstances, such as when the closest laboratory to the monitoring location is outside the State boundaries and therefore is not subject to certification. All analyses shall be conducted in accordance with those methods specified in 40 CFR Part 503.8(1) through 40 CFR Part 503.8(4), 40 CFR Part 503.8(6), and 40 CFR Part 503.8(7).

19. The discharger shall report any noncompliance which may endanger human health or the environment. Any such information shall be provided orally to the RWQCB Executive Officer within 24 hours from the time the discharger becomes aware of the circumstances. A written submission shall also be provided within five days of the time the discharger becomes aware of the circumstances. The written submission shall contain (a) a description of the noncompliance and its cause; (b) the period of noncompliance, including exact dates and times; and, (c) if the noncompliance has not been corrected, the anticipated time the noncompliance is expected to continue and steps being taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance with a time schedule that includes milestone dates. The RWQCB Executive Officer or an authorized representative may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. Also, the discharger shall notify the Office of Emergency Services (1-800-852-7550), the State Department of Health Services, Food and Drug Branch, (916) 445-2263), and the local health department as soon as practical but within 24 hours after the incident.

20. The discharger shall retain records of all monitoring information including all calibration and maintenance records for on-site monitoring equipment (if applicable), copies of all reports required by this General Order, and records of all data used to complete the application for this General Order. Records shall be maintained for a minimum of three years from the date of the sample, measurement, report, or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the RWQCB Executive Officer.

    Records of monitoring information shall include:

a. The date, exact place, and time of sampling or measurements;
b. The individual(s) who performed the sampling or measurements;
c. The date(s) analyses were performed;
d. The individual(s) who performed the analyses;
e. The analytical techniques or methods used; and
f. The results of such analyses.

21. All application reports or information to be submitted to the RWQCB Executive Officer shall be signed and certified as follows:

    a. For a corporation--by a principal executive officer or at least the level of vice president.
    b. For a partnership or sole proprietorship--by a general partner or the proprietor, respectively.
    c. For a municipality, State, federal, or other public agency--by either a principal executive officer or ranking elected official.

22. A duly authorized representative of a person designated in Provision No. 21 of this provision may sign documents if:

    a. The authorization is made in writing by a person described in Provision No. 21, above.
    b. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility or activity; and
    c. The written authorization is submitted to the RWQCB Executive Officer.

    Any person signing a document under these Provisions shall make the following certification:

    "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

CERTIFICATION

The undersigned, Clerk to the Board, does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of the State Water Resources Control Board held on July 22, 2004.

AYE: Arthur G. Baggett, Jr.
Peter S. Silva
Richard Katz
Gary M. Carlton
Nancy H. Sutley

NO: None.

ABSENT: None.

ABSTAIN: None.

Debbie Irvin
Clerk to the Board

STATE WATER RESOURCES CONTROL BOARD
MONITORING AND REPORTING PROGRAM
GENERAL WASTE DISCHARGE REQUIREMENTS (WDRs) FOR THE
DISCHARGE OF BIOSOLIDS TO LAND FOR USE IN AGRICULTURAL,
SILVICULTURAL, HORTICULTURAL, AND LAND RECLAMATION ACTIVITIES

PRE-APPLICATION REPORT

As required in Provision 1.a. of the General Order, a Pre-Application Report shall be submitted for each field or distinct application area prior to the application of biosolids in accordance with the WDRs. Where biosolids are applied on a continuing basis to a single area, the Pre-Application Report may cover ongoing operations and may not need to be submitted for each load applied. A pre-application report shall be submitted 30 days prior to the date of the proposed application. The Pre-Application Report shall be signed by the owner/operator of the biosolids application operation and by the property owner. The property owner may submit written authorization to allow a representative of the property owner, such as a tenant or land management company, to sign the Pre-Application Report.

Information in the Pre-Application Report found in **bold type** is a required field to be submitted in the Pre-Application Report. Otherwise, information that was submitted in the Notice of Intent (NOI) and has not changed or will not change is not required. The following items shall be included in the Pre-Application Report and shall be submitted to the appropriate Regional Water Quality Control Board (RWQCB):

Waste Discharge Identification System No._____

This number is established at the time the initial Notice of Intent (NOI) is submitted to the RWQCB and can be obtained at the RWQCB.

1. Site Location/Applier Information-A separate Pre-Application Report must be completed for each different site.

Landowner:	
Address:	
Contact:	**Phone:**
Site Location (including address, if any):	
Nearest Cross Street(s):	
County:	**Total Size of Site:**
Section(s)/Township/Range/Meridian:	
Latitude (from field center):	**Longitude (from field center):**

Applier:	
Address:	
Contact:	**Phone:**

Attach a U.S. Geological Survey 7.5 Minute map or similar map (1:24000 or larger) showing the proposed application site and surrounding properties within 2,500 feet from site boundaries. The map should show:

a. Site topography
b. Run-on/runoff controls
c. Storage areas
d. Nearby surface waters, wells, residences, and public roads
e. Application area(s) including buffer zones (setbacks)
f. Ground water monitoring wells (if required)
g. Elevation

2. **Biosolids Source--** The section below must be completed **for each source of biosolids**. If additional space is required, copy this section and attach.

Wastewater Treatment Plant				
Mailing Address				
City	**County**	**State**	**Zip**	**Phone**
Contact Person				

Level of Pathogen Treatment: Class A_____ Class B_____
Description of vector attraction reduction achievement:
_____

3. Constituent Concentrations (Each Source)

Constituent	**Concentration in Biosolids, mg/kg, dry weight**
Arsenic	
Cadmium	
Copper	
Lead	
Mercury	
Molybdenum	
Nickel	
Selenium	
Zinc	
pH	
Salinity	
Total Solids Content	**%**
Total Nitrogen	
Fecal Coliform (if applicable)	**MPN/gram**

Ammonia Nitrogen, as N	
Total Phosphorus, as P	
Total Potassium	
SW 846[1] Method 8080 for PCB Aroclors, Aldrin/Dieldrin	
EPA Method 8270 Semi-Volatile Organics	

Date samples collected _____ _____
Date samples analyzed _____ _____
Attach copies of all lab reports.

4. Application Area Information

Subject	Value	Applicable Unit/ Type of Measure
Quantity of Biosolids to be Applied		
Land Use Zone		
Adjacent Land Use Zones		
Application Area Size		Acres
Proposed Nitrogen Loading		Lb. plant available nitrogen/acre
Residual Nitrogen from Previous Fertilizer and Biosolids Applications[10]		Lb. per acre
Proposed Crop, Use		
Crop Nitrogen Useage		
Nitrogen Usage Reference		
Anticipated Avg. Appl. Rate		
Avg. Annual precipitation		
Plant tissue testing for Molydenum(Mo) [11]		
Plant tissue testing for Copper(Cu)[3]		
Plant tissue testing for Selenium(Se) [3]		

Attach an anticipated annual time schedule for the field operations including anticipated biosolids applications windows, seeding operations, supplemental fertilization, and cultivation/harvest.

5. Ground Water Monitoring

For biosolids application operations where minimum depth to usable ground water[12] is less than 25 feet or as specified by the RWQCB Executive Officer and where special circumstances would warrant ground water monitoring, a ground

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9 The Discharger shall use the most recent version of SW 486 methods for detecting PCB constituents and list all Aroclor concentrations with the summation of total PCBs.

10 Attach a sheet showing calculations and all assumptions used for calculating residual Nitrogen from previous fertilizer and biosolids applications.

11 The sample is a crop composite and only required where crops are used as animal feeds.

12 Usable ground water: Ground water is defined as having either an agricultural or domestic supply source as described in the RWQCB Basin Plan.

water monitoring program, at a minimum, shall consist of three monitoring wells (one up gradient, two down gradient) for each application area and shall be in place prior to any application of biosolids if the discharger intends to or does apply biosolids more than twice within a five-year period at any particular location. A report specifying location, construction, and development details of ground water monitoring wells shall be submitted to the RWQCB for approval by the RWQCB Executive Officer prior to the installation. In addition, a mean sea level (MSL) reference elevation shall be established for each well in order to determine water elevations. The RWQCB Executive Officer, after reviewing the information submitted, may waive this requirement if it is determined that the benefit of such monitoring is not commensurate to the level of protection.

Results shall be submitted to the RWQCB 30 days prior to any biosolids application at each site and annually thereafter. Samples shall be collected from each of the monitoring wells annually and shall be analyzed for the following parameters:

Parameter	Units
Static Water Level	feet (MSL)
Total Dissolved Solids	mg/L
Sodium	mg/L
Chloride	mg/L
Nitrate	mg/L as N
Total Nitrogen	mg/L as N
pH	pH units

Initial testing shall also include the following parameters:

Arsenic	mg/L
Cadmium	mg/L
Copper	mg/L
Lead	mg/L
Mercury	mg/L
Molybdenum	mg/L
Nickel	mg/L
Selenium	mg/L
Zinc	mg/L

6. Biosolids Storage Plan (as required by Storage and Transportation Spec. No. 8)

A biosolids storage plan must be attached (even if no *on-site* biosolids storage will be provided). The biosolids storage plan should include at a minimum:

If on-site storage will be provided:

a. Size of biosolids storage area
b. How frequently it will be used (emergency basis only or routine use)
c. Leachate controls
d. Erosion controls
e. Run-on/runoff controls

If no on-site storage will be provided:

a. Location of off-site storage facilities
b. Emergency storage plans

7. Erosion Control Plan (as required by Discharge Specification No. 8)

Biosolids applied to ground surfaces having a 10 percent or greater slope requires an Erosion Control Plan. The Plan should outline conditions that justify application of biosolids to the 10 percent or greater slopes and specify the application and management practices to be used to assure containment of the biosolids on the application site.

8. Spill Response and Traffic Plan (as required by Biosolids Storage and Transportation Specification No. 14)

a. The Spill Response Plan should include at a minimum:

(1) Emergency contacts and notification procedures.
(2) Personal protective equipment requirements.
(3) Response instructions for spill during biosolids transport.
(4) Response instructions for storage facility failure.
(5) Response instructions if hazardous or other unauthorized material is found.

b. The Traffic Plan should include at a minimum:

(1) The proposed route for all vehicles handling biosolids.
(2) The anticipated maximum vehicle weight.

9. Adverse Weather and Alternative Plan

Submit an Adverse Weather and Alternative Plan that details procedures to address times when biosolids cannot be applied to the site(s) due to adverse weather or other conditions (wind, precipitation, field preparation delays, access road limitations, etc.).

10. Land Productivity

A. Changes in Soil Fertility and Salinity and Resulting Effects on Productivity

"Attach a report from a certified soil scientist or a certified agronomist which evaluates the potential effects including potential nutrient imbalances, metals phytotoxicity, and excessive salinity on land productivity. The soil scientist and/or agronomist shall make recommendations, as deemed necessary, after considering the nature of the application site soils and biosolids characterization data and the need to preserve short term and long term land productivity. Those recommendations shall be reflected in the Pre-Application report regarding the proper rate of biosolids applications, any soil management

(such as supplemental fertilizers and pH adjustment), appropriate crop, and grazing practice recommendations."

B. Erosion Hazard Rating

The discharger shall submit an erosion hazard report (derived from USDA soil survey reports[13]) which assesses the proposed application site. The assessment will use the table below to determine whether soils could be degraded or land productivity reduced.

[13] Where a soils survey report is not available for a proposed application site, the applicant shall have a qualified soil scientist determine the erosion hazard (using NRCS guidelines), unless the slope of the site is 3% or less. Sites with slopes of 3% or less will be considered to have a slight erosion hazard.

Limitations to Land Application			
Parameter	**Slight**	**Moderate**	**Severe**
Cation exchange capacity[a] (average milliequivalents per 100 g, 0-20 inches depth)	**>15**	**10-15**	**<10**
pH[b] (average 0-20 inches depth)	**>6.5**	**5.0 to 6.5**	**<5.0**
Erosion hazard rating[c]	**None to slight**	**Moderate**	**High to severe**

[a] **Cation exchange capacity limits based on professional judgment.**
[b] **pH limits based on U.S. Department of Agriculture (1993).**
[c] **Erosion hazard limits based on professional judgment.**

Provided that the applicant, a soil scientist, or agronomist has provided written confirmation to the RWQCB that soils will not be degraded and/or land productivity will not be reduced as a result of nutrient imbalances, metals-related phytotoxicity, or adverse salinity effects, biosolids may be applied on any site having a "slight" limitation as defined in the table. At sites having a "moderate" limitation, biosolids may be applied only where the crop is not known to be particularly sensitive to metals and nutrient imbalances or is not known to be bioaccumulative of heavy metals. Sites having a "severe" limitation are excluded from eligibility under the GO. Sites with a slope of greater than 20% shall not accept biosolids unless those sites will be immediately covered by sod or a sufficient mulch cover to control erosion.

11. A biological site assessment is required in areas where natural terrestrial habitat (previously undisturbed lands) and fallow lands (as defined in Findings No. 3m in the General Order) exist and are planned for biosolids applications. The assessment shall be conducted to identify any special-status plant and wildlife species onsite, submitted as part of the Pre-Application Report, and shall be conducted by a qualified biologist. This report must be forwarded to the appropriate regional office of the DFG and the Endangered Species Unit of the USFWS in Sacramento for review and approval of the mitigation strategy, as appropriate. If there are no special-status species present, RWQCB may continue with the project evaluation. If special-status species could be affected, the project will not be authorized under the GO unless the applicant submits a plan to mitigate for any significant impacts on special-status species, obtains the appropriate permits, and agrees to implement the mitigation.

ANNUAL REPORTING

1. **Ground Water Monitoring** (if required in the Pre-Application Report)

   Samples shall be collected from each of the monitoring wells annually and shall be analyzed for the following parameters:

Parameter	Units
Static Water Level	feet (MSL)
Total Dissolved Solids	mg/1
Sodium	mg/1
Chloride	mg/1
Nitrate	mg/1 as N
Total Nitrogen	mg/1 as N
pH	pH units
Arsenic (As)	mg/l
Selenium (Se)	mg/l
Molybdenum (Cu)	mg/l

2. **Application Information**

Quantity of Biosolids Applied		Dry tons
Application Area Size		Acres
Total Nitrogen Concentration in Biosolids		mg/kg
Nitrogen Loading		Lb. plant avail. Nitrogen per acre
Residual Nitrogen[14]		Lbs. per acre
Crop		
Amount of Crop Produced		Specify units
Plant tissue testing for Molybdenum (mo)[6]		
Plant tissue testing for Copper (cu),[6]		
Plant tissue testing for Selenium (Se)[15]		

[14] As determined by field soil nitrogen testing in an 18 inch depth.

[15] Crop composite and only required where crops are used as animal feeds.

3. **Pollutant Loadings for Each Application Site**

Pollutant	Total Loadings from Previous Years (kg/ha)	Loading This Year (kg/ha)	Background Soils Conc. (kg/ha) (6" depth)	Cumulative Metal Load to Date (kg/ha)	Percent Cumulative Limit to Date
Arsenic					
Cadmium					
Copper					
Lead					
Mercury					
Molybdenum					
Nickel					
Selenium					
Zinc					

4. **Constituent Concentrations (Each Source)**

Constituent	Concentration in Biosolids, (mg/kg, dry weight)
Arsenic	
Cadmium	
Copper	
Lead	
Mercury	
Molybdenum	
Nickel	
Selenium	
Zinc	
Total Solids Content	%
Total Nitrogen	
Fecal Coliform	MPN/gram
Ammonia Nitrogen, as N	
Total Phosphorus, as P	
Total Potassium	
SW 846[16] Method 8080 for PCB Aroclors, Aldrin/Dieldrin	
EPA Method 8270 Semi-Volatile Organics	

5. **Site Map**

Provide a site map identifying the area(s) of application clearly showing each field to which biosolids have been applied and crop planted.

[16] The discharger shall use the most recent version of SW 486 methods for detecting PCB constituents and list all Aroclor concentrations with the summation of total PCBs.

6. **40 CFR Part 503**

Attach a copy of the generator's monitoring report for compliance with the 40 CFR Part 503.

GENERAL REPORTING

1. Pre-Application Reports shall be submitted for RWQCB staff review and approval at least 30 days prior to application of biosolids. Annual Reports covering the period between January 1 to December 31 shall be submitted by February 15 of the following year. If no applications occurred during the year, the discharger shall submit a report indicating that no discharge occurred during the year.

2. The collection, preservation and holding times of all samples shall be in accordance with U.S. Environmental Protection Agency approved procedures. A laboratory certified by the California Department of Health Services to perform the required analyses shall conduct all analyses, except soil nitrogen and plant tissue samples for selenium, copper and molybdenum. Analysis for soil nitrogen and plant tissue concentrations of selenium and molybdenum shall participate in a program similar to the North American Proficiency Testing Program (NAPT) operated by the Soil Science of America. The RWQCB Executive Officer may allow use of an uncertified laboratory in accordance with Provision 18.

3. If there is no discharge during a required reporting period, the discharger shall submit a letter report to the RWQCB indicating that there has been no activity during the required reporting period.

4. Each report shall be signed and contain the following certification:

   "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment"

5. A duly authorized representative of the discharger may sign the documents if:

   a. The authorization is made in writing by the person described above;

   b. The authorization specified an individual or person having responsibility for the overall operation of the regulated disposal system; and

   c. The written authorization is submitted to the RWQCB Executive Officer.

6. The discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data shall be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with waste discharge requirements.

7. Report immediately (within 24 hours) to the RWQCB Executive Officer and Director of County Environmental Health by telephone with a follow-up letter any discharge which threatens the environment or human health. During non-business hours, report to the Office of Emergency Services by telephone at 1-800-852-7550.

8. The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported to the RWQCB.

State of California

State Water Resources Control Board

NOTICE OF INTENT

TO COMPLY WITH THE TERMS OF GENERAL PERMIT ORDER NO . 2000-___-DWQ
FOR THE DISCHARGE OF BIOSOLIDS TO LAND
FOR USE IN AGRICULTURAL, SILVICULTURAL, HORTICULTURAL AND LAND RECLAMATION ACTIVITIES

ATTACHMENT A

Mark Only One Item	1. ☐ New Discharge Under MODEL Permit 2. ☐ Change of Information-WDID # _____

I. Property Owner (Required)

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person		(check one) Owner _____ Operator _____ Owner/operator _____		

II. Generator (Required . If more than one generator, attach the information and ensure that the signature block is copied, signed and attached.)

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person				

III. Site Operator/Property Manager (if any)

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person				

IV. Billing Address

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person				

STATE USE ONLY

WDID: ☐☐☐☐☐☐☐☐☐☐☐	Regional Board Office: ☐☐	Date NOI Received: _____	Date NOI Processed: _____ ___
	Fee Amount Received: $ _____	Check #: _____	

V. Site Operator

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person				

VI. Hauler Information

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person				
Type of Transportation				

VII. Site Location

Street (including address, if any)	
Nearest Cross Street(s)	
County:	Total Size of Site (acres):

Township/Range/Section T _____, R _____, Section _____, ___ ___B&M

Latitude/Longitude (From Center): _____ Deg. _____ Min. _____ Sec N. _____ Deg. _____ Min. _____ Sec. W

Attach a map of at least 1:24000 (1" = 2000") showing the proposed application site (e.g., USGS 7.5" topographic map). The map should also show run-on/runoff controls, storage areas, nearby surface waters, wells and residences, the application areas including setback and buffer zones .

VIII. Application Area Information

Subject	Value	Applicable Unit/ Type of Measure
Quantity of Biosolids to be Applied		dry tons per year
Total Biosolids Application Proposed		dry tons
Land Use Zone		
Adjacent Land Use Zones		
Application Area Size		acres
Proposed Nitrogen Loading		lb. Plant Available Nitrogen/acre
Proposed Crop, Use		crop type, human/animal/neither
Crop Nitrogen Usage		1b. Nitrogen/year
Nitrogen Usage Reference		
Depth of Root Zone for Crop Being Planted		inches
Will Setback Limits Be Met?		Yes or No
Distance to Nearest Inhabited Dwelling		feet/miles
Public Access Controls		Specify Type
Runoff Controls		Attach plans
Prevailing Wind Direction		
Minimum Depth to Ground Water		feet
How Minimum Depth to Ground Water is Determined		

Anticipated Average Daily Application Rate		dry tons/day
Source of Water for Crop		
Average Annual Precipitation		inches/year

Attach an anticipated annual time schedule for the field operations including anticipated biosolids applications windows, seeding operations, supplemental fertilization, and cultivation/harvest.

IX. Soil Constituent Concentrations (Each Source)

Constituent	Concentration in Soil, mg/kg, dry weight
Arsenic	
Cadmium	
Copper	
Lead	
Mercury	
Molybdenum	
Nickel	
Selenium	
Zinc	
pH	
Estimated Permeability	cm/sec
Cation Exchange Capacity	meq/100g
Total Nitrogen	
Ammonia Nitrogen, as N	
Total Phosphorus, as P	
Total Potassium	

X Have any proposed biosolids application sites been fallow for more than one year? ☐ YES ☐ NO

XI Are there existing agricultural, silvicultural, or horticultural operations at all the proposed application sites? ☐ YES ☐ NO

XII Is it known whether any locations within the proposed land application site contain biologically unique or sensitive natural communities? ☐ YES ☐ NO

If natural terrestrial habitats are present on the project site, a biological site assessment must be conducted to determine whether biologically unique or sensitive natural communities occur and whether they could be disturbed by the application of biosolids; this report must be forwarded to the appropriate regional office of DFG and the Endangered Species Unit of the USFWS in Sacramento for review and approval of the mitigation strategy, as necessary. If biologically unique or sensitive natural communities are present and more than 10% or 10 acres will be disturbed, whichever is less, the project will not be authorized under the GO unless the applicant submits a plan to mitigate for any significant impacts on biologically unique or sensitive natural communities and agrees to implement the mitigation.

XIII Biosolids Storage Plan (as required by Biosolids Storage and Transportations Spec. No, 8)

A biosolids storage plan must be attached (if no *on-site* biosolids storage will be provided, a contingency plan for inclement weather operation must be provided). The biosolids' storage plan should include at a minimum:

If on-site storage will be provided:

a. Size of biosolids storage area
b. How frequently it will be used (emergency basis only or routine use)
c. Leachate controls
d. Erosion controls
e. Run-on/runoff controls

If no on-site storage will be provided:

a. Location of off-site storage facilities

b. Emergency storage plans

XIV Erosion Control Plan (if applicable) (as required by Discharge Specification No, 8)

Biosolids applied to ground surfaces having a 10 percent or greater slope requires an Erosion Control Plan. The Plan should outline conditions that justify application of biosolids to the 10 percent or greater slopes and specify the application and management practices to be used to assure containment of the biosolids on the application site.

XV. Spill Response and Traffic Plan (as required byBiosolids Storage and Transportation Spec. No. 14)

a. The Spill Response Plan should include at a minimum:

1. Emergency contacts and notification procedures
2. Require personal protective equipment requirement
3. Response instructions for spill during biosolids transport
4. Response instructions for storage facility failure
5. Response instructions if hazardous or other unauthorized material is found

b. The Traffic Plan should include at a minimum:

1. The proposed route for all vehicles handling biosolids
2. Describe the anticipated maximum vehicle weight

XVI. Adverse Weather and Alternative Plan: (as required by Biosolids Storage and Transportation Spec. No. 8)

Submit an Adverse Weather and Alternative Plan that details procedures to address times when biosolids cannot be applied to the site(s) due to adverse weather or other conditions (wind, precipitation, field preparation delays, access road limitations, etc.).

XVII. CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment." In addition, I certify that the provisions of the permit, including the criteria for eligibility, will be complied with.

Signature of Owner/Operator of Spreading Operations	Title
Printed or Typed Name	Date
Signature of Property Owner	Title
Printed or Typed Name	Date
Signature of Site Operator/Manager (if any)	Title
Printed or Typed Name	Date

State of California
State Water Resources Control Board

NOTICE OF TERMINATION

TO COMPLY WITH THE TERMS OF GENERAL PERMIT ORDER NO . 2000-___-DWQ
FOR THE DISCHARGE OF BIOSOLIDS TO LAND
FOR USE IN AGRICULTURAL, SILVICULTURAL, HORTICULTURAL AND LAND RECLAMATION ACTIVITIES

ATTACHMENT B

WDID # _____

I. Property Owner

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person				

II. Generator

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person				

III. Owner/Operator of spreading operations

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person		(check one) Owner _____ Operator _____ Owner/operator _____		

IV. Site Operator/Property Manager (if any)

Name				
Mailing Address		Contact Person		
City	County	State	Zip	Phone

V. Billing Address

Name				
Mailing Address		Contact Person		
City	County	State	Zip	Phone

VI. Hauler Information

Name	
Mailing Address	

City	County	State	Zip	Phone

VII. Site Location

Street (including address, if any)	
Nearest Cross Street(s)	
County:	Total Size of Site (acres):

Township/Range/Section T _____, R _____, Section _____, ___ ___B&M

Latitude/Longitude (From Center): _____ Deg. _____ Min. _____ Sec N. _____ Deg. _____ Min. _____ Sec. W

Attach a map of at least 1:24000 (1" = 2000") showing the proposed application site (e.g., USGS 7.5" topographic map). The map should also show run-on/runoff controls, storage areas, nearby surface waters, wells and residences, the application areas including setback and buffer zones .

VIII. Application Area Information

Subject	Value	Applicable Unit/ Type of Measure
Quantity of Biosolids Applied		dry tons per year
Application Area Size		acres
Nitrogen Loading		lb. Plant Available Nitrogen/acre
Crop, Use		crop type, human/animal/neither
Crop Nitrogen Usage		1b. Nitrogen/year
Nitrogen Usage Reference		
Last Date of Class B Biosolids Application		Date
Public Access Controls		Specify Type

IX. Attached is the Annual Monitoring and Reporting Report for the current year. ☐ Yes ☐ No

X. CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment." In addition, I certify that the provisions of the permit, including the criteria for eligibility, will be complied with.

Signature of Generator	Title
Printed or Typed Name	Date
Signature of Property Owner	Title
Printed or Typed Name	Date
Signature of Site Operator/Manager (if any)	Title
Printed or Typed Name	Date

STATE USE ONLY

WDID: ☐☐☐☐☐☐☐☐☐☐☐	Regional Board Office: ☐☐	Date NOI Received: _____	Date NOI Processed: _____ ___
	Fee Amount Received: $ _____	Check #: _____	